



# KALYANI FORGE LIMITED

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**REGISTER OF LEGAL AND OTHER REQUIREMENTS**

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## CONTENTS

1. List of controlled copy holders
2. List of applicable environmental regulations.
3. List of obligations and responsibilities as per related acts / rules.
4. Verification of compliance w.r.t.
  - a) Procedural requirements.
  - b) Prescribed standards.
5. Record keeping.

## LIST OF CONTROLLED COPY HOLDER OF REGISTER OF APPLICABLE LEGAL AND OTHER REQUIREMENTS

- 01) Management Representative
- 02) HOD Maintenance
- 03) HOD HRD
- 04) HOD PAD
- 05) HOD HFD.
- 07) HOD MCD

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## LIST OF APPLICABLE LEGAL AND OTHER REQUIREMENTS

SR. NO.	TITLE	YEAR
1	THE WATER (PREVENTION AND CONTROL OF POLLUTION) ACT.	1974
2	THE WATER (PREVENTION AND CONTROL OF POLLUTION) RULES.	1975
3	THE WATER (PREVENTION AND CONTROL OF POLLUTION) CESS ACT.	1977
4	THE WATER (PREVENTION AND CONTROL OF POLLUTION) CESS RULES.	1978
5	THE AIR (PREVENTION AND CONTROL OF POLLUTION) ACT.	1981
6	THE AIR (PREVENTION AND CONTROL OF POLLUTION) RULES.	1982
7	THE ENVIRONMENT (PROTECTION) ACT.	1986
8	THE ENVIRONMENT (PROTECTION) RULES.	1986
9	THE HAZARDOUS WASTES (MANAGEMENT AND HANDLING) AMENDMENT RULES, MAY 2003.	2003
10	THE MANUFACTURE, STORAGE AND IMPORT OF HAZARDOUS CHEMICAL RULES, AS AMENDED TO DATE	1989
11	PETROLEUM ACT AND RULES.	1934/ 1976
12	FACTORY ACT.	1948
13	PUBLIC LIABILITY INSURANCE ACT AND RULES AS AMENDED TO DATE	1991
14	MOTOR VEHICAL ACT AND MAHARASTRA VEHICAL RULES	1988/ 1989
15	THE GAS CYLINDER RULES	1981
16	THE NOISE POLLUTION (REGULATION & CONTROL) RULES	2000
17	THE BATTERIES (MANAGEMENT & HANDLING) RULES	2001
18	NOISE LIMITES FOR GENERATOR SETS RUN WITH DIESEL UNDER ENVIRONMENT (PROTECTION) SECOND AMENDMENT RULES 2002	2002
19	EMISSION STANDARDS FOR DIESEL ENGINES HAVING RATING MORE THAN 800 KW UNDER ENVIRONMENT (PROTECTION) THIRD AMENDMENT RULES 2002	2002

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20	OZONE DEPLETING SUBSTANCES (REGULATION & CONTROL) RULES	2000
21	PLASTICS MANUFACTURE, SALE AND USAGE RULES	2002

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## THE WATER PREVENTION AND POLLUTION ACT 1974 AND RULES 1975

### OBLIGATIONS:

Following are the specific obligations, under this act, which are to be complied with:

1. Provide the MPCB any information, which is sought for preventing or controlling pollution of water regarding the construction, installation, operation or the treatment and disposal systems of an industrial establishment.
2. Provide access to the MPCB, or any officer empowered by it, for taking samples of water or effluents from the industrial establishment for the purpose of analysis.
3. Allow entry to the MPCB or any person empowered by it, at any time, for the purpose of performing any of the entrusted functions; or for inspecting to ascertain the provisions of the Act are being complied with; or for seizing of any plant, records, registers, documents or any material object, in case there are reasons to believe that provisions of the Act are being contravened.
4. Not to discharge, knowingly, of any effluent into the stream, sewer or on land, of quality which is not conforming to the standards prescribed by the MPCB.
5. Furnish information to the MPCB and other designated agencies, of any accidental or unforeseen event, in which effluents not conforming to the prescribed standards are being discharged, or likely to be discharged into a stream or sewer or on land.
6. Comply with the directions issued in writing by the MPCB, within the specified time, as mentioned in the order. The directions may include:
  - I) the closure, prohibition or regulation of any industry, operation or process; or
  - ii) The stoppage or regulation of supply of electricity, water or any other service.
7. Comply with the conditions as prescribed in the "Consent to Establish" or "Consent to Operate" for discharge of effluents into a stream or sewer or on land.

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**RESPONSIBILITIES:**

1. Obtain “**Consent to Establish**”, prior to taking any steps to establish any industry, operation or process or any treatment and disposal system, which is likely to discharge effluents.
2. Obtain “**Consent to Operate**”, prior to commencing operations of any industry, or any treatment and disposal system, which is likely to discharge effluent.
3. Apply for **renewal** of the “**Consent to Operate**” before the expiry of the validity period, as specified in the consent granted earlier, in the prescribed form and along with the prescribed fees.

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**THE WATER (PREVENTION AND CONTROL OF POLLUTION) CESS ACT, 1977 AND RULES 1978**

**OBLIGATIONS:**

1. Pay water cess, as prescribed within the specified time as indicated in the assessment order.
2. Affix meters of the prescribed standards for water consumption measurements at places specified by the MPCB.
3. Provide access to MPCB, at all reasonable times, for implementing the provisions of the Act, including testing of the meters for their accuracy.
4. Pay interest at the prescribed rates, in case of delay in paying the water cess.
5. Pay penalty for non-payment of cess, within the specified time, not exceeding the amount of cess, in arrears, after being given a reasonable opportunity of hearing.

**RESPONSIBILITY:**

1. Submit the "Water Cess Return" for every month in form No 1
2. Pay water cess bill to MPCB within specified time limit as indicated in Bill

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**THE AIR (PREVENTION AND CONTROL OF POLLUTION) ACT, 1981  
AND RULES 1982**

**OBLIGATIONS:**

1. Comply with the conditions, as prescribed in the “Consent to Establish” or “Consent to Operate” for emissions.
2. Not to discharge air pollutant(s) in excess of the standards prescribed standards by the MPCB.
3. Furnish information to the MPCB and other designated agencies, of any accident or unforeseen act or event in which emissions of air pollutant(s) occurred in excess of the prescribed standards or are likely to occur.
4. Allow entry to the MPCB or any official empowered by it to the industrial establishment, at all reasonable times, for the purposes of carrying out any of the entrusted functions or for inspecting to ascertain that provisions of the Act are being complied with; or for seizing any equipment, plant, records, registers, documents or any other material object if there are reason to believe that provisions of the Act are being contravened.
5. Provide the MPCB any information to enable it to implement the provisions of the Act.
6. Provide access to the MPCB or any officer empowered by it, for taking samples of air or emissions from the industrial plant for the purpose of analysis.
7. Comply with the directions, issued in writing by the MPCB, within the specified time as indicated in the order. The directions may include:
  - I) the closure, prohibition or regulation of any industry, operation or process; or
  - ii) The stoppage or regulation of supply of electricity, water or any other service.

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8. Industry to provide all facilities required by the MPCB official for the purpose of sampling.

**RESPONSIBILITIES:**

1. Obtain “**Consent to Establish**” prior establishing any industrial plant in an air pollution control areas, which is likely to emit air pollutant(s).
2. Obtain “**Consent to Operate**”, prior to commencing operation of any industrial plant, which is likely to emit air pollutant(s) in an air pollution control area.
3. Apply for the renewal of “**Consent to Operate**” before expiry of the validity period.

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## **ENVIRONMENT (PROTECTION) ACT, 1986 AND RULES 1986**

### **OBLIGATIONS:**

1. Comply with the directions issued in writing by the STATE Government within a specified time as mentioned in the order. The directions may include:
  - I) closure, prohibition or regulation of any industry, operation or process; or
  - ii) Stoppage or regulation of the supply of electricity, water or any other service.
2. Prevent discharges or emissions of environmental pollutants in excess of the prescribed standards.
3. Furnish information to the prescribed agencies of any accidental or unforeseen event in which environmental pollutant(s) not conforming to the prescribed standards are being discharged, or are likely to be discharged, into the environment.
4. Allow entry and inspection by any person empowered by the state Government into the industrial establishment at all reasonable times, for the purpose of performing any of the functions entrusted; or to ascertain compliance with the provisions of the Act; or for seizing of any equipment, plant, registers, records or documents in case there are reasons to believe the any provisions of the Act is being contravened.
5. Allow STATE Government or any official empowered by it, to take samples of air, water, soil or any other substance from the industrial establishment for the purposes of analysis.

### **RESPONSIBILITIES:**

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1. Submit yearly “**Environmental Statement**” to MPCB in form no 5 before 30th September of every year.
2. Obtain prior “Environmental Clearance” from MoEF, in case of a new project or for modernization / expansion of the existing project, if it falls under the specified schedule, subject to certain conditions (Refer Sectors 30 as given below)

**LIST OF PROJECTS REQUIRING ENVIRONMENTAL CLEARANCE FROM THE CENTRAL GOVERNMENT.**

- 1 Nuclear, power and related projects such as heavy water plants, nuclear fuel complex, rare earth.
- 2 River valley projects including hydel power, major irrigation and their combination including flood control.
3. Ports, harbors, airports (except minor ports and harbors).
4. Petroleum refineries including crude and product pipelines.
5. Chemical fertilizers (nitrogenous and phosphatic) other than single superphosphate.
6. Pesticides (technical).
7. Petrochemical complexes (both olefinic and aromatic) and petro-chemical intermediates such as DMT, Caprolactam, LAB etc. and production of basic plastics such as LDPE, HDPE, PP, PVC.
8. Bulk drugs and pharmaceuticals.
9. Exploration for oil and gas and their production, transportation and storage.
10. Synthetic rubber.
11. Asbestos and asbestos products.
12. Hydrocyanic acid and its derivatives.
13. Primary metallurgical industries (such as production of iron and steel, aluminium, copper, zinc, lead and ferro-alloys).
14. Chlor alkali industry.
15. Integrated paint complex including manufacture of resins and basic raw materials required in the manufacture of paints.
16. Viscose staple fibre and filament yarn.
17. Storage batteries integrated with manufacture of oxides of lead and lead antimony alloy
18. All tourism projects between 200 meters-500 meters of High Water Line and at locations with an elevation of more than 1000 meters with investment of more than Rs.5 crore.

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19. Thermal power plants.
20. Mining projects (with leases more than 5 hectares).
21. Highway projects except projects relating to improvement work including widening and strengthening of roads with marginal land acquisition along the existing alignments provided it does not pass through ecologically sensitive areas such as National Parks, Sanctuaries, Tiger Reserves, and Reserve Forests.
22. Tarred roads in the Himalayas and forest areas.
23. Distilleries.
24. Raw skins and hides.
25. Pulp, paper and newsprint.
26. Dyes.
27. Cement.
28. Foundries (Individual).
29. Electroplating.
30. Meta aminophenol.

**THE HAZARDOUS WASTES (MANAGEMENT AND HANDLING)  
AMENDMENT RULES, May-2003**

**OBLIGATIONS:**

1. Obtain an authorization letter from MPCB by making an application in form 01 for handling of hazardous waste.
2. Submit all information including quantity, waste category, generation rates, and safety precaution in handling.
3. Comply with the conditions specified in the authorization granted for handling of hazardous wastes.

**RESPONSIBILITIES:**

1. Ensure proper collection, reception, treatment, storage and disposal of hazardous wastes by the owner himself or through an operator of the facility for specified hazardous wastes
2. Obtain “**grant of authorization**” for handling hazardous wastes from MPCB.
3. Apply for **renewal** of authorization before expiry of the validity period as specified in the authorization granted in the prescribed form.
4. Maintain **records** of hazardous wastes handling, at the site.

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5. Submit “**Annual Returns**” to the MPCB regarding disposal of hazardous wastes in the form no 04.
6. **Report** to the MPCB any accident at site, or during transportation, while handling hazardous wastes, in the form no -- 5.
- 7 Maintain records of hazardous waste handling as per Form 9 (Hazardous waste manifest).

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## **MANUFACTURE STORAGE AND IMPORT OF HAZARDOUS CHEMICAL (AMENDMENT) RULES 2000**

### **OBLIGATIONS:**

- a) Develop information of Material safety data sheet (Refer EMS Procedure EML OP -- -- 003)
- b) Label specified information on every container of Hazardous chemical

### **RESPONSIBILITY:**

Obtain Material Safety data sheet for of all hazardous chemical as per specified in the schedule I and II

(KFL has obtained MSDS for all chemicals used in KFL listed under schedule I and II)

As per schedule I and II, the Environmental Clearance from MOEF for KFL, is not required.

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## THE PETROLEUM ACT 1934, & RULES 1976

### OBLIGATIONS:

1. The area surrounding any installation or storage shed used for petroleum storage shall be protected area.
2. The protected area surrounding every installation and storage shed shall be surrounded by a wall or fence.
3. To prohibit carrying matches, fuse or other appliances capable for producing ignition or explosion in any installation or storage shed used for the storage petroleum.
4. An adequate no. of portable fire - extinguishers capable of extinguishing oil fires shall always be kept in every installation, storage shed and persons employed in such installation, storage shed shall be conversant with the use of such fire extinguishers.
5. The ground in the interior of an installation or storage shed and the protected area surrounding the installation or storage shed shall be kept clean and free from all vegetation, waste material and rubbish.
6. The enclosures surrounding above ground tanks in an installation shall be provided with proper drainage facilities in such way that no water is allowed to accumulate in the enclosure.
7. Whenever there occurs an accident in or about any place where petroleum product is kept, any accident by explosion or by fire attended with serious injury to people or property, if any give notice there of to the nearest police station and to the chief controller of explosives.

### RESPONSIBILITIES:

1. To obtain License for storage of Petroleum product from Chief Controller of explosives.
2. To obtain No-objection certificate from district Authority for the site proposed to be licensed.

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## **FACTORIES ACT, 1948**

### **OBLIGATIONS:**

1. Allow entry to any person empowered by Dy. Director, Industrial Health & Safety, at any time for the purpose of performing any of the entrusted function or for inspecting to ascertain the provision of the Act are being complied with or for seizing of any plant, records register document or any matured object, in case there are reasons to believe that provisions of the Act are being contravened.
2. In the factory, suitable engineering control or administration measure shall be taken to ensure 'Noise' levels as per factory act standards.
3. Every worker employed in asbestos process shall be examined by Medial officer of factory or certifying surgeon once in a year.
4. Adequate number of fire extinguishers suitable for use against flammable liquid shall be provided in the plant.
5. Comply with the conditions as prescribed to format of factory act.

### **RESPONSIBILITIES:**

- 1 Obtain factory license.
- 2 Apply for “**renewal**” of the factory license every year.
- 3 Assess the building stability from competent authority.
- 4 Monitor the Asbestos dust emission level in ambient air near workstation.
- 5 Assess the lifting tackles and pressure vessels integrity from the competent authorities.
- 6 Monitor work environment for Asbestos dust and TCE contamination as per threshold limits given in Factories act.

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## THE PUBLIC LIABILITY INSURANCE ACT, 1991

### OBLIGATIONS:

1. Owner to provide relief, as specified, in case of death or injury to any person (other than workman); or damage to property from an accident occurring while handling specified hazardous substances, on the principle of no fault (The schedule for relief and the list of specified hazardous substances covered under the Act are given in Annexure XXVII and XXVIII).
2. Owner to draw insurance policies more than the paid-up capital of the undertaking, but less than Rs 50 crores, before handling any hazardous substances.  
“Paid-up Capital” implies the market value of all assets and stocks of the undertaking on the date of insurance.
3. Owner to pay additional amounts, as prescribed, to the insurer not exceeding the amount of premium, as contribution to the Environmental Relief Fund to be established under the Act.
4. Owner to provide any information required by the Central Government or agencies authorized by it, for ascertaining compliance with the provisions of the Act.
5. Owner to allow entry and inspection of any person empowered by the Central Government to the place where the industrial activity involving hazardous chemicals is being carried out at all reasonable times, to ascertain compliance with the provisions of the Act.
6. Owner to pay the amount of an award as specified by the Collector in the prescribed manner.
7. Comply with the directions issued in writing by the Central Government, within the specified time, as mentioned in the order. The directions may include:
  - i) Prohibition or regulations of handling of any hazardous substances; or
  - ii) Stoppage or regulation of the supply of electricity, water or any other service.

### RESPONSIBILITIES:

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1 Owner shall review the use of various chemicals listed in the table in notification dated 24/02/1992. If the use of chemical is more than the quantity in column no 03, the owner shall take out an insurance policy as per provision of said act.

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## **APPLICABILITY OF PUBLIC LIABILITY INSURANCE ACT 1991**

List of chemicals used in KFL as per Table of Notification of Environment and Forests issued on 24/03/1992.

Sr. No	Name of hazardous substance	Quantity applicable for taking out public insurance policy as per Public Liability Insurance Act 1991.	Quantity used by KFL per year	Applicability of Public Insurance Policy

As the consumption quantity is less than the quantity mentioned in column 3 of table, the public insurance policy is not required by KFL.

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**MOTOR VEHICLE ACT 1988 AND MAHARASTRA MOTOR VEHICLE RULES 1989.**

**OBLIGATION:**

If traffic police demands, following paper to be shown for verification by the company driver for company owned vehicles.

- Registration certificate, fitness certificate of vehicle, insurance certificate and permit, driving license.

**RESPONSIBILITY:**

Obtain pollution under certificate (PUC) for all company vehicles from recognized agency nominated by state government.

Also insist to all employees to obtain pollution under certificate (PUC) for their vehicles from government approved agency.

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## **GAS CYLINDER RULES 1981**

### **OBLIGATIONS:**

- a) Prior approval necessary for alteration in the licensed premises – No alteration shall be carried out in the licensed premises until the plan or a plan showing such alterations has been approved in writing by the Chief Controller.
- b) Production of license on demand -  
Every person holding or acting under a license granted under these rules shall produce it, or an authenticated copy of it, at the place to which the license applies, when called upon to do so by any of the officer specified in rule 77.
- c) Procedure on reports of infringement -- The District Authority shall inform the Chief Controller of the action taken by him on any reports of infringement of the act or of these rules, which the Chief Controller may make to him.
- d) Notice of accident --
  - 1] The notice of an accident required to be given under sub section (1) of section 8 of the act shall be given forthwith --
    - i] To the Chief Controller by Express telegram followed within 24 hours by a letter giving particulars of the occurrence; and
    - ii] To the officer in -charge of the nearest Police station by the quickest route.
  - 2] Pending the visit of the Chief Controller, or his representative or until instruction is received from the Chief Controller that he does not wish to make any further investigation or inquiry all wreckage and debris shall be left untouched except in so far as its removal may be necessary for the persons injured and recovery of the bodies of any persons killed by the accident or in the case of railway, for the restoration of through communication.

### **RESPONSIBILITIES:**

- 1) Obtain **prior approval of specifications and plans** of premises proposed to be licensed by submitting such specifications and plans drawn to scale in triplicate to the chief controller.

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- 2) To obtain **license for filling and possession** by submitting an application to the licensing authority along with the prescribed fee and requisite particulars (four copies of specifications and plans **approved**, as highlighted above).
- 3) Ensure compliance of the requirements prescribed in license.
- 4) Obtain **prior approval** from chief controller **for any alteration** in the licensed premises in the prescribed form by submitting desired particulars and fee.
- 5) Apply for **amendment of license** in case of any alteration by applying in the prescribed form to the chief controller along with the prescribed fee.
- 6) Apply for **renewal of license** before expiry of the validity time frame.
- 7) **Notice of accident** to chief controller in case of loss of human life or serious injury to human life or property.
- 8) To communicate information as per Gas Cylinder Rules 1981, to suppliers of Gas cylinder and accordingly supplier shall comply following requirements.
  - 1] Marking on cylinders.
  - 2] Identification on cylinders by color codification.
  - 3] Labeling of cylinders.
  - 4] Warning on cylinders.
  - 5] Restriction on delivery or dispatch of cylinders.
  - 6] Handling and use.
  - 7] Storage of cylinders.

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**THE NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000.**

**OBLIGATION:** NIL

**RESPONSIBILITY:**

Measure the noise level in ambient air as per the limits of noise specified in schedule of said rules.

NOTE:

- a) Measure the noise level at daytime - 6.00a.m. to 10.00 p.m. and nighttime 10.00 p.m. to 6.00 a.m.
- b) The limiting values (dB) denote the time-weighted average of the level of sound in decibels on scale, A which is relatable to human hearing.
- c) If high noise pollution is observed in any section, following personal protective equipment to be used for safety of the Employee-
  - 1) Ear muffs
  - 2) Ear plug
- d) Whenever technically feasible, measures shall be taken to reduce noise level.

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**BATTERIES (MANAGEMENT AND HANDLING) RULES, 2001**

**OBLIGATION: NIL**

**RESPONSIBILITY:**

- a) HOD Materials / Buyer shall ensure that used lead acid batteries are not discarded in any other manner except by depositing it with the dealer, importer, assembler, registered recycler, re-conditioner or at the designated collection centers.
- b) HOD Material / Buyer shall avail the discount provided by the dealer in lieu of used lead acid battery.

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**NOISE LIMITES FOR GENERATOR SETS RUN WITH DIESEL UNDER ENVIRONMENT (PROTECTION) SECOND AMENDMENT RULES 2002**

**OBLIGATION: NIL**

**RESPONSIBILITY:**

For the procurement of diesel generators sets manufactured on or after 01/07/2003, comply following requirements.

- a) The maximum permissible sound pressure level for new diesel generator sets with rated capacity up to 1000 KVA manufactured on or after 1<sup>st</sup> July 2003, shall be 75 dBA at 1 meter from the enclosure surface.
- b) DG sets should be provided with integral acoustic enclosure at the manufacturing stage itself.

For the DG sets manufactured before 01/7/2003, ensure following compliance.

- a) Noise from DG set shall be controlled by providing an acoustic enclosure or by treating the room acoustically, at the users end.
- b) The acoustic enclosure or 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. The measurement for insertion loss may be done at different points at 0.5 m from the acoustic enclosure/room, and then averaged.
- c) The DG set shall be provided with proper exhaust muffler with insertion loss of minimum 25 dB (A).
- d) KFL shall make efforts to bring down the noise levels due to the DG set, outside KFL premises, within the ambient noise requirements by proper siting and control measures.

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- e) Installations of DG set must be strictly in compliance with the recommendations of the DG set manufacturer.
- f) A proper routine and preventive maintenance procedure for the DG set should be set and followed in consultation with the DG set manufacturer which would help prevent noise levels of the DG set from deteriorating with use.

Above point no a to f are applicable for DG sets 160 KV, 300 KV, 500 KV (old and new).

For DG set installed at KFL plant, the acoustic enclosures are inbuilt features of the generator set. – Please check

**EMISSION STANDARDS FOR DIESEL ENGINES HAVING RATING MORE THAN 800 KW UNDER ENVIRONMENT (PROTECTION) THIRD AMENDMENT RULES 2002**

**OBLIGATION: NIL**

Since all the DG sets installed in KFL are below ---- KW rating, these requirements are applicable / not applicable to KFL.

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**OZONE DEPLETING SUBSTANCES (REGULATION AND CONTROL) RULES 2000.**

**OBLIGATION : NIL**

**RESPONSIBILITY:**

KFL is using the Ozone Depleting Substances (ODS) i.e. Dichlorodifluoromethane (CF<sub>2</sub>Cl<sub>2</sub>) and Monochlorodifluoromethane (CHClF<sub>2</sub>) as a media in air conditioning units. These chemical substances falls under Group – I as per Sr. No. 2 of schedule – I of the above rules. As per the rules the date for phasing out above substances is 01/01/2010 as per Sr. No – 7 of schedule – IV. Hence this requirement is not applicable to KFL at this moment.

The requirement shall be appropriately complied on 01/01/2010.

Please check this

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**PLASTIC MANUFACTURE, SALE & USAGE RULES 2002**

**OBLIGATION: NIL**

**RESPONSIBILITY:**

Under the Plastics Manufacture, Sale and Usage rules 2002, KFL shall not use the carry bags made of virgin plastics or recycled plastics having thickness of carry bags less than 20 microns. As on date KFL is not using the Plastic bags having thickness less than 20 microns.

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