

DPCC GUIDELINES

The last date to file application for Consent to Establish and Consent to Operate / Renewal has been extended to June 30, 2013 by Delhi Pollution Control Committee (DPCC)

Delhi Pollution Control Committee has extended the last date to file application for Consent to Establish and Consent to Operate / Renewal. Now the last date for the same is June 30, 2013. All hotel and restaurants of Delhi have to follow the following guidelines with respect to effluent treatment systems as per the guidelines. The five star hotels of Delhi shall comply with green hotel guidelines also.

As per the decisions taken by DPCC in its Board meeting held on 06.10.2012, Restaurants, Eating Houses, Sweet Shops, Dhabas and Hotels [RESHD Sector]& Banquet Halls / Party Lawns are required to comply with the Effluent Standards, provide Effluent Treatment System and also comply with other requirements as mentioned in the Table given below:

S. No	Category / Type of Unit	Connected to/ Discharging Effluent into Public/Municipal /DJB Sewer	Having Kitchen and/ or Laundry	Effluent Treatment System / Effluent Standards
1.	Hotels(3 Star and above)	Yes	Yes	Effluent Treatment Plant (ETP)/Sewage Treatment Plant (STP) including proper Oil and Grease Trap for the effluent arising from kitchen and /or laundry and shall comply with the following Standards:
2.	Hotels(3 Star and above)	No	Yes	<p>(i) pH -- 5.5 - 9.0 (ii) TSS \leq 50 mg/l (iii) BOD \leq 30 mg/l (iv) O&G \leq 10 mg/l (v) Phosphate as P \leq 1 mg/l</p> <p>The Five Star Hotels shall comply with the above mentioned standards and shall also</p> <p>(i) Provide Effluent Treatment Plant / Sewage Treatment Plant to treat the entire waste water generated from the hotel using Biological treatment process. (ii) Treat the waste water upto tertiary level for reuse of the treated effluent at least for Cooling Tower / AC Plant and in horticulture and in flushing of Toilets where ever possible / applicable as prescribed in the Environmental Clearance / Consent Conditions issued earlier. The treated effluent shall be reused upto the maximum extent possible to achieve the objective of zero discharge. The hotels shall submit water mass balance chart regarding consumption of water, waste water generation and use of treated effluent (iii) Provide Rain Water Harvesting System (iv) Install Solar Water Heating System (v) Provide Organic Waste Converter for composting of organic waste or Waste to Bio-fuel Plant (vi) Convert/Switch over from Oil fired Boiler to Natural Gas based Boiler wherever Gas Supply is available. (vii) Develop Green Belt to create Buffer Zone from main roads.</p> <p>The five star hotels are also advised to take appropriate Environmental friendly measures, Waste reduction measures, Water conservation measures, Energy conservation measures & follow Environmentally responsible purchasing practices as envisaged in the Guidelines for Green Hotels and as decided by DPCC in its Board meeting on 22.12.2010.</p> <p>The hotels which have been given Environmental Clearance shall also comply with the conditions of Environmental Clearance.</p> <p>The unit shall also submit Adequacy Report for the Effluent Treatment Plant / Sewage Treatment Plant from any of the Empanelled Consultants of DPCC and Effluent Analysis Report from any of the Empanelled Laboratories of DPCC.</p>
3.	Hotels with less than 20 bedrooms.	Yes	Yes	<p>Proper Oil and Grease Trap cum Settling Tank for holding the effluent arising from kitchen and / or laundry for at least 4 hours duration and shall comply with following General Standards for discharge of effluent into Public Sewers:</p> <p>(i) pH -- 5.5 - 9.0, (ii) TSS \leq 600 mg/l (iii) BOD \leq 350 mg/l (iv) O&G \leq 20 mg/l</p> <p>The unit shall submit Photographs of the Oil and Grease Trap cum Settling Tank and Effluent Analysis Report from any of the Empanelled Laboratories of DPCC.</p>
4.	Hotels with less than 20 bedrooms.	Yes	No	Exempted from providing Treatment System for wastewater.
5.	Hotels with less than 20 bedrooms.	No	Yes	<p>Adequate Effluent Treatment Facility including Oil and Grease Trap and shall comply with following standards for discharge of effluent as prescribed by MOEF vide Notification Dated 04.11.2009:</p> <p>(i) pH -- 5.5 - 9.0 (ii) TSS \leq 100 mg/l (iii) BOD \leq 100 mg/l (iv) O&G \leq 10 mg/l</p> <p>The unit shall submit Photographs of the Effluent Treatment Facility and Effluent Analysis Report from any of the Empanelled Laboratories of DPCC</p>

6.	Hotels with less than 20 bedrooms.	No	No	Septic Tank for the waste water generated from Toilets /Bathrooms etc. The unit shall submit Photographs of the Septic Tank.
7.	Hotels with at least 20 bedrooms.	Yes	Yes	Effluent Treatment Plant (ETP) including proper Oil and Grease Trap for the effluent arising from kitchen and /or laundry and shall comply with the following General Standards for discharge of effluent into Public Sewers: (i) pH -- 5.5 - 9.0 (ii) TSS ≤ 600 mg/l (iii) BOD ≤ 350 mg/l (iv) O&G ≤ 20 mg/l The unit shall also submit Adequacy Report for the Effluent Treatment Plant from any of the Empanelled Consultants of DPCC and Effluent Analysis Report from any of the Empanelled Laboratories of DPCC.
8.	Hotels with at least 20 bedrooms.	Yes	No	Exempted from providing Treatment System for wastewater.
9.	Hotels with at least 20 bedrooms.	No	Yes	Effluent Treatment Plant (ETP) / Sewage Treatment Plant (STP) (for the waste water generated from Toilets/ Bathrooms etc.), including proper Oil and Grease Trap for the effluent arising from kitchen and/or laundry and shall comply with following standards for combined effluent, as prescribed by MOEF vide Notification Dated 04.11.2009 : (i) pH -- 5.5 - 9.0 (ii) TSS ≤ 50 mg/l (iii) BOD ≤ 30 mg/l (iv) O&G ≤ 10 mg/l (v) Phosphate as P ≤ 1mg/l The unit shall also submit Adequacy Report for the Effluent Treatment Plant from any of the Empanelled Consultants of DPCC and Effluent Analysis Report from any of the Empanelled Laboratories of DPCC.
10.	Hotels with at least 20 bedrooms.	No	No	Septic Tank/Sewage Treatment Plant and shall comply with following standards for discharge of effluent, as prescribed by MOEF vide Notification Dated 04.11.2009 : (i) pH -- 5.5 - 9.0 (ii) TSS ≤ 50 mg/l (iii) BOD ≤ 30 mg/l (iv) O&G ≤ 10 mg/l (v) Phosphate as P ≤ 1mg/l The unit shall also submit Adequacy Report for the Effluent Treatment Plant from any of the Empanelled Consultants of DPCC and Effluent Analysis Report from any of the Empanelled Laboratories of DPCC.
11.	Restaurants/Eating Houses / Dhabas and other such establishments (Having Seating Capacity less than 36)/Sweet Shops/ Halwais and Other such Establishments(with Annual Average Production of less than One Tonne/Day)/ Banquet Halls/ Party Lawns (with Floor Area less than 100 m ²)	Yes	Yes	Proper Oil and Grease Trap cum Settling Tank for holding the effluent arising from kitchen and washing activities for at least 4 hours duration. The unit shall submit Photographs of the Oil and Grease Trap cum Settling Tank.
		No	Yes	Proper Oil and Grease Trap cum Settling Tank for holding the effluent arising from kitchen and washing activities for at least 4 hours duration and Septic Tank . The unit shall submit Photographs of the Oil and Grease Trap cum Settling Tank and Septic Tank.
12.	Restaurants/Eating Houses / Dhabas and other such establishments (with minimum Seating Capacity of 36) / Sweet Shops/ Halwais and Other such Establishments (with Annual Average Production of One Tonne / Day or more)/ Banquet Halls/ PartyLawns(with minimum Floor Area of 100 m ²)	Yes	Yes	Effluent Treatment Plant (ETP) / Sewage Treatment Plant (STP) (for the waste water generated from Toilets/ Bathrooms etc.) including proper Oil and Grease Trap for the effluent arising from kitchen and washing activities and shall comply with following standards for discharge of combined effluent , as prescribed by MOEF vide Notification Dated 04.11.2009 : (i) pH -- 5.5 - 9.0 (ii) TSS ≤ 100 mg/l (iii) BOD ≤ 100 mg/l (iv) O&G ≤ 10 mg/l
		No	Yes	The unit shall also submit Adequacy Report for the ETP/STP from any of the Empanelled Consultants of DPCC and Effluent Analysis Report from any of the Empanelled Laboratories of DPCC.

Note: Following General Requirements are to be followed by all the above mentioned units as applicable :

1. The units located in the sewered areas shall ensure that effluent is discharged into the Public / Municipal / DJB Sewer and shall also submit the proof regarding connection of their drainage system to the Public / Municipal / Delhi Jal Board Sewer from the concerned Authority(DJB/MCD/NDMC/DCB) OR shall submit an Affidavit that the unit is having proper connection of their drainage system to the Public / Municipal / Delhi Jal Board Sewer.
2. The units shall also submit License from Local Health Authority (MCD/NDMC/ Delhi Cantonment Board) and from Delhi Police under the " Delhi Eating Houses Registration Regulations ,1980" .
3. The units shall adopt Good House Keeping practices, shall properly channelize the fugitive emissions including emissions from cooking & kitchen operations by providing proper ducting / hood arrangement and proper exhaust system and emissions shall be discharged at least 2 meter above the roof of the building , properly handle , manage and dispose the solid waste generated and comply with the provisions of the Water (Prevention and Control of Pollution) Act,1974, as amended to date , the Air (Prevention and Control of Pollution) Act,1981, as amended to date and the Environment (Protection) Act, 1986, as amended to date and Rules made there under.

DPCC GUIDELINES FOR “GREEN” HOTELS

As decided by DPCC in its Board meeting on 22.12.2010, the five star hotels are advised to take appropriate Environmental friendly measures, Waste reduction measures, Water conservation measures, Energy conservation measures & follow Environmentally responsible purchasing practices as envisaged in the Guidelines for Green Hotels mentioned as under.

1. Environmental Friendly Measures

- Tertiary level treatment of waste water for reuse of water for cleaning, flush washing and horticulture purpose to save money as well as water.
- Preference of biological method of treatment over physico-chemical treatment of domestic and organic content waste water, reduction of sludge as well as use of sludge as manure.
- Composting of organic waste through organic waste converter and reuse as manure.
- Composting of leaves.
- Development of green belt to create buffer zone from main roads.
- Preference of gas based boiler over oil fired/coal fired boiler.

2. Waste Reduction Measures

- Purchase refillable soap, hair rinse and hand lotion dispensers for guest rooms.
- Donate partially-used product.
- Purchase towels and sheets made from 100% natural cotton, containing no chemical, dyes or bleaches.
- Donate used linens to local shelters or other charities.
- Reduce the frequency of changing and washing linens. Guests who are willing to reuse their towels hang them for reuse. Leave instructions.
- Donate left over, untouched food to local shelters or food banks.
- Purchase recycling bins for guest rooms or floors.
- Reuse of left unopened amenities by the next guest.
- Wait to replace half filled toilet paper, rolls and tissue boxes until they are almost completely used.
- Provide guest rooms with unwrapped, reusable drinking glasses and coffee cups.
- Check with the local health department about storing glasses upside down on trays, rather than using disposable paper covers.
- Replace single-use items with reusable items such as napkins, tablecloths and hand towels. When they are worn, use them as cleaning rags.
- Fill smaller reusable containers with cleaning products from larger containers.
- Use refillable pump spray bottles rather than single-use aerosol cans.
- Buy supplies from vendors who accept returned containers used for shipping products.
- To reduce food waste, offer guests the option of ordering half portions.

3. Water Conservation Measures

- Assuming a 50% occupancy rate, a 200-room hotel uses almost eight million gallons of water in a year. Using water-efficient fixture could save nearly 2.5 million gallons of water a year.
- Retrofit fixtures in guest rooms and public rest rooms. Use low flow shower heads, bath and sink faucet aerators and low flow toilets.
- Operate clothes and dishwashers only with full loads and promptly repair all leaks.

- Wash clothes and linens in the coolest water that will do the job, hot water is usually only necessary for heavily soiled loads.
- Restrict lawn watering to evening hours to decrease evaporation and maximize effectiveness.
- Install toilet dams where possible.
- Use soaker hoses instead of sprinklers on your lawns to minimize evaporation.

4. Energy Conservation Measures

- Cover windows, especially west and south-facing windows, from sunlight with draper, shades or shutters.
- Turn off all unnecessary lighting. Encourage guests to do the same with signs in the rooms.
- Set room thermostats to the highest comfortable temperature in summer (at or over 78 Fahrenheit) and the lowest comfortable in winter (at or below 58 Fahrenheit) especially in empty rooms.
- Use weather stripping to close air gaps around doors and windows.
- Switch to low-watt fluorescent light in place of bulbs.
- Use fluorescent lighting as much as possible. They are initially more expensive, but use less energy and last longer and save money.
- Installation of solar water heating/ parabolic concentrator for cooking/ solar lighting/ solar AC.
- Preference of use of inverters instead of Diesel Generation Sets.

5. Environmentally Responsible Purchasing Practices

- Buy recycled products. Purchase toilet tissue, facial tissues and paper towels made from recycled paper.
- Buy cleaning products that are biodegradable.
- Use recycled paper for letterhead, guest room stationery etc.
- Use of pollution free electric vehicles.

6. Others

- Most of the five star hotels are treating only waste water generated from kitchen and laundry. Untreated domestic sewage is discharged directly into sewer without treatment. Entire waste water generated from kitchen, laundry and domestic sewage should be treated in a biological STP.
- Utilization of treated water can reduce substantial load of water requirement on DJB water supply system and ground water as well as waste water load on sewer network.
- Installation of rain water harvesting for roof top and storm water harvesting.
- Gas based hot water generator and boiler should be used where possible. Hybrid type hot water generator by using solar water heater be encouraged.
- Conventional water heating systems be replaced in a phase manner and solar water heating system be installed.
- Integrated HVAC system be planned for all the heating, ventilation and A/C requirements.
- The oil and grease collected from their pre treatment plant/tank could be utilized to make soap in the organized sector.