

RICHA ENVIRONMENTAL SERVICES PRIVATE LIMITED

A brand name for

Sewage Treatment Plants

Effluent Treatment Plants

Wastewater Treatment Plants

ETP - Effluent Treatment Plants for Hotels, Restaurants, Bars banquet halls and party halls

As per the guidelines of pollution control board, Delhi DPCC and Central pollution control board CPCB, We offer small Wastewater Treatment Plants for Bars, Restaurants and hotels.

Our wide range of system includes for this industry

1. OGT – oil and grease trap system
2. ETP small for small spaces
3. Mobile ETP if it will have to be installed at roof



OGT : Requires very small space

Richa Environmental "**Best Choice**" for all your projects



Guide lines of DPCC

As per the decisions taken by DPCC in its Board meeting held on 06.10.2012 , Restaurants , Eating Houses ,Sweet Shops, Dhabas and Hotels [RES DH 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/ Sewer	Having Kitchen and / or Laundry	Effluent Treatment System / Effluent Standards
1.	Hotels(3Star	Yes	Yes	Effluent Treatment Plant(ETP)/Sewage Treatment Plant(STP) inclu

	nd above)			<p>ding proper Oil and Grease Trap for the effluent arising from kitchen and /or laundry and shall comply with the following Standards :</p> <p>(i) pH -- 5.5 - 9.0 (ii) TSS \leq 50 mg/l (iii) BOD \leq 30 mg/l</p> <p>(iv) O&G \leq 10 mg/l (v) Phosphate as P \leq 1 mg/l</p>
2.	Hotels(3 Star and above)	No	Yes	<p>The Five Star Hotels shall comply with the above mentioned standards and shall also (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 Convertor 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</p>

				<p>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 ≤ 600 mg/l (iii) BOD ≤ 350 mg/l (iv) O&G ≤ 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	Adequate Effluent Treatment Facility including Oil and Grease Trap and shall

				<p>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 ≤ 100 mg/l</p> <p>(iii) BOD ≤ 100 mg/l (iv) O&G ≤ 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 /Bathroom s etc. The unit shall submit Photographs of the Septic Tank.
7.	Hotels with at least 20 bedrooms.	Yes	Yes	<p>Effluent Treatment Plant (ETP) including proper Oil and Grease T rap for the effluent arising from kitchen and /or laundry and shall comply with the following General Standards for discharge of effluent into Public Sewers:</p> <p>(i) pH -- 5.5 - 9.0 (ii) TSS ≤ 600 mg/l</p> <p>(iii) BOD ≤ 350 mg/l (iv) O&G ≤ 20 mg/l</p> <p>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.</p>
8.	Hotels with at least 20 bedrooms.	Yes	No	Exempted from providing Treatment System for wastewater.
S. No	Category / Type of Unit	Connected to /Discharging Effluent into	Having Kitchen and / or	Effluent Treatment System / Effluent Standards

		Public/Municipal/ Sewer	Laundry	
9.	Hotels with at least 20 bedrooms.	No	Yes	<p>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:</p> <p>(i) pH -- 5.5 - 9.0 (ii) TSS ≤ 50 mg/l</p> <p>(iii) BOD ≤ 30 mg/l (iv) O&G ≤ 10 mg/l</p> <p>(v) Phosphate as P ≤ 1mg/l</p> <p>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.</p>
10.	Hotels with at least 20 bedrooms.	No	No	<p>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 :</p> <p>(i) pH -- 5.5 - 9.0 (ii) TSS ≤ 50 mg/l</p>

				<p>(iii) BOD \leq 30 mg/l (iv) O&G \leq 10 mg/l</p> <p>(v) Phosphate as P \leq 1mg/l</p> <p>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.</p>
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	<p>Proper Oil and Grease Trap cum Settling Tank for holding the effluent arising from kitchen and washing activities for at least 4 hours duration.</p> <p>The unit shall submit Photographs of the Oil and Grease Trap cum Settling Tank .</p>
		No	Yes	<p>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 .</p> <p>The unit shall submit Photographs of the Oil and Grease Trap cum Settling Tank and Septic Tank.</p>
12.	Restaurants/Eating Houses / Dhabas and other such establishments(with	Yes	Yes	<p>Effluent Treatment Plant(ETP) including proper Oil and Grease Trap for the effluent arising from kitchen and washing activities and shall comply with the following General Standards for discharge of effluent into Public Sewers:</p>

<p>minimum Seating Capacity of 36)/Sweet Shops/ Halwais and Other such Establishments(with Annual Average Production of One Tonne /Day or more)</p>			<p>(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.</p>
<p>Banquet Halls/Party Lawns(with minimum Floor Area of 100 m²)</p>	<p>No</p>	<p>Yes</p>	<p>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 :</p> <p>(i) pH -- 5.5 - 9.0 (ii) TSS ≤ 100 mg/l (iii) BOD ≤ 100 mg/l (iv) O&G ≤ 10 mg/l 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.</p>

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.