



## **ESHAN COLLEGE OF ENGINEERING, MATHURA**


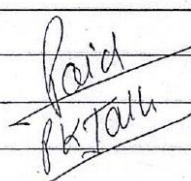
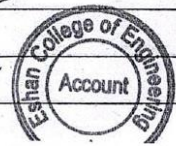
Approved by All India Council for Technical Education, New Delhi (AICTE)  
Affiliated to Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh

### **Environmental Consciousness and Sustainability: Water conservation facilities available in the Institution: (Other relevant information)**

**7.1.2 Water conservation facilities available in the Institution:  
(Other relevant information)**

<b>S. N.</b>	<b>Particular</b>	<b>Availability</b>
1	Rain water harvesting	√
2	Borewell /Open well recharge	√
3	Construction of tanks & bunds	√
4	Waste water recycling	√
5	Maintenance of water bodies and distribution system	√

## Rain Water Harvesting Construction Bills

	ग्रेडेशन विवरण में रिपोर्ट Date <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
	फरक (मथुरा) Page <input type="text"/>
	दिनांक => 30/05/2016
$\sqrt{20}$	सीमेंट दर $\sqrt{260}$ रु $\sqrt{5000}$
$\sqrt{327}$	पत्थर सेट दर $\sqrt{26}$ रु $\sqrt{8502}$
$\sqrt{1200}$	वावा ईट दर 3 रु $\sqrt{3600}$ रु
	$\sqrt{17302}$
	सतह हजार निम्न सी दर रुपये
	
	



VOUCHER

No. 1

Date 30-5-2016

DEBIT	Building Repair & Maint	17302-0
	Can paid for Bricks,	
	concret, Sand purcha for	
	Task to Mahesh KR.	17300-✓
CREDIT		

Received the sum of 17300

From .....  
on account of .....  
Date .....  
Signature .....

Cashier

Accountant *[Signature]*

Manager *[Signature]*



## जलाधिकार फाउंडेशन

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Facebook : [www.facebook.com/jaladhikar](http://www.facebook.com/jaladhikar)  
Website : [www.jaladhikar.com](http://www.jaladhikar.com)

22/08/2017

### To Whomsoever it May Concern

This is to acknowledge that students of Eshan College of Engineering attended the lecture on " Rain water harvesting". A Survey was also conducted to look upon the standards of procedure of rain water harvesting.

Survey conducted was upto the mark and satisfactory. We Congratulate College Management for Organizing such a Good Awareness seminar.

President Jaladhikar Foundation ,  
Agra Unit



## जलाधिकार फाउंडेशन

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जफ (AGR) 01

15/10/2018

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President Jaladhikar Foundation,  
Agra Unit

Teacher  
attended  
survey  
harvesting

Survey  
College

Engineering  
College  
Water

Unit

# Water Quality Criteria

2/20/23, 2:14 PM

CPCB | Central Pollution Control Board

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**Central Pollution Control Board**  
Ministry of Environment, Forest and Climate Change  
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- Environmental Acts & Rules
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- Water Pollution
- Air Pollution
- Noise Pollution
- Waste Management
- Hazardous waste
- Municipal Solid waste
- Biomedical waste
- Plastic waste
- E-waste
- Construction & Demolition waste

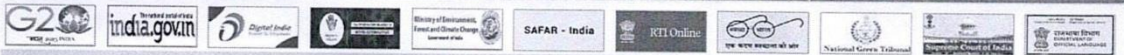
## Water Quality Criteria

Updated On : 11 Oct 2019

Table 1

Designated Best-Use	Class of water	Criteria
Drinking Water Source without conventional treatment but after disinfection	A	<ul style="list-style-type: none"> <li>▶ Total Coliforms Organism MPN/100ml shall be 50 or less</li> <li>▶ pH between 6.5 and 8.5</li> <li>▶ Dissolved Oxygen 6mg/l or more</li> <li>▶ Biochemical Oxygen Demand 5 days 20C 2mg/l or less</li> </ul>
Outdoor bathing (Organised)	B	<ul style="list-style-type: none"> <li>▶ Total Coliforms Organism MPN/100ml shall be 500 or less</li> <li>▶ pH between 6.5 and 8.5</li> <li>▶ Dissolved Oxygen 5mg/l or more</li> <li>▶ Biochemical Oxygen Demand 5 days 20C 3mg/l or less</li> </ul>
Drinking water source after conventional treatment and disinfection	C	<ul style="list-style-type: none"> <li>▶ Total Coliforms Organism MPN/100ml shall be 5000 or less</li> <li>▶ pH between 6 to 9</li> <li>▶ Dissolved Oxygen 4mg/l or more</li> <li>▶ Biochemical Oxygen Demand 5 days 20C 3mg/l or less</li> </ul>
Propagation of Wild life and Fisheries	D	<ul style="list-style-type: none"> <li>▶ pH between 6.5 to 8.5</li> <li>▶ Dissolved Oxygen 4mg/l or more</li> <li>▶ Free Ammonia (as N) 1.2 mg/l or less</li> </ul>
Irrigation, Industrial Cooling, Controlled Waste disposal	E	<ul style="list-style-type: none"> <li>▶ pH between 6.0 to 8.5</li> <li>▶ Electrical Conductivity at 25C micro mhos/cm Max.2250</li> <li>▶ Sodium absorption Ratio Max. 26</li> <li>▶ Boron Max. 2mg/l</li> </ul>
Below-E		Not Meeting A, B, C, D & E Criteria.

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Last update on website : 20-02-2023

Visitors  
Total: 5,716,341

*Singh*  
**Registrar**  
**Eshan College of Engineering**  
**Farah, Mathura**



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Home > Standards > Water Quality Standards > Water Quality Criteria

Environmental Acts & Rules

Water Quality Criteria Updated On : 11 Oct 2019

Environment Protection  
Water Pollution  
Air Pollution  
Noise Pollution  
Waste Management  
Hazardous waste  
Municipal Solid waste  
Biomedical waste  
Plastic waste  
E-waste  
Construction & Demolition waste

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Irrigation, Industrial Cooling, Controlled Waste disposal	E	<ul style="list-style-type: none"> <li>Electrical Conductivity at 25C micro mhos/cm Max. 225</li> <li>Boron Max. 2mg/l</li> </ul>
	Below-E	Not Meeting A, B, C, D & E Criteria

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**TABLE 3.1 CLASSIFICATION OF IRRIGATION WATER BASED ON SALT CONCENTRATION**

S.N.	Types of water	Suitability for irrigation
1.	<b>Low salinity water (C1)</b> Conductivity between 100 to 250 micro-mhos/cm at 25°C.	Suitable for all types of crops and all kinds of soils. Permissible under normal irrigation practices except in soil of extremely low permeability.
2.	<b>Medium salinity water (C2)</b> Conductivity between 250 to 270 micro-mhos/cm at 25°C.	Can be used, if a moderate amount of leaching occurs. Normal salt tolerant plants can be grown without much salinity control.
3.	<b>High salinity water (C3)</b> Conductivity between 750 to 2250 micro-mhos/cm at 25°C	Unsuitable for soil with restricted drainage. Only high-salt tolerant plants can be grown.
4.	<b>Very high salinity (C4)</b> Conductivity more than 2250 micro-mhos/cm at 25°C	Unsuitable for irrigation.

Based on Sodium Concentration : Irrigation water having

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