

# Waterlogged Areas in Delhi during Monsoon-2016

on

## School Bhuvan-NCERT Portal



IIT Delhi, Bus Stand

Photo credit: Sunil Sisodia

**Dr. Aparna Pandey**  
Professor of Geography  
NCERT

**Sunil Sisodia**  
Junior Project Fellow  
NCERT

# TOP 10 WATERLOGGED AREAS

The fact that these areas have been waterlogged every year exposes the poor planning of the civic agencies



Source: Hindustan Times, New Delhi, Tuesday, August 2, 2016, Page Number-3

Every year Delhi experiences problem of waterlogging during monsoon.

Waterlogging on roads creates traffic jams across the city. Several low lying areas, arterial roads and underpass get waterlogged during heavy rains.

- |  |  |
|--|--|
| <b>1</b> 100 foot T-point Anuvrat Marg   | <b>6</b> Andrews Ganj---Ring Road X-ing              |
| <b>2</b> Adarsh nagar, Hakikat Nagar and Jahangirpuri Metro Station on ring road | <b>7</b> Anuvrat Marg to Qutub Minar Metro Station   |
| <b>3</b> Adhchini T-Point on Aurbindo Marg                                       | <b>8</b> Archana T-point, Greater Kailash            |
| <b>4</b> Anand Parbat Road near Gali No. 10                                      | <b>9</b> From Ashram Chowk to Moolchand on ring road |
| <b>5</b> Andheria More on MG Road  | <b>10</b> C-9 block intersection in Vasant Kunj      |

# ANUVRAT MARG- IT CONNECTS LADO SARAI AND MEHRAULI

The screenshot displays the School Bhuvan web application interface. The browser address bar shows the URL: `bhuvan-mapper.nrsdc.gov.in/ncertlevel3/#map=16/28.5119/77.1818`. The page header includes the School Bhuvan logo, the text "Gateway to Indian Earth Observation", and the title "School Bhuvan : NCERT-Level 3". The National Remote Sensing Centre logo is also visible.

The main interface features a search bar with the placeholder text "Enter City or Lat,Lon(ex:chennai or)". Below the search bar, there are navigation controls for "Point", "Line", "Area", and "Save". The "Point" tool is currently selected.

The map shows an aerial view of a residential area in South Delhi. A red pin is placed on a road junction, labeled "100 Feet T-Point (Anuvrat Marg), District: South (Delhi)". Another red pin is visible on a nearby road, labeled "Andheria More (MG road), District: South (Delhi)".

An "Edit feature" panel is open on the left side of the screen. It contains the following information:

- Name:** 100 Feet T-Point (Anuvrat Marg), District: South (Delhi)
- Source:** Hindustan Times, New Delhi, August 2, 2016, Page num...
- Note:** 100 feet T-point is part of Anuvrat Marg. It connects Lado sarai, Andheria More and Mehrauli-Gurgaon road.

The bottom of the map shows the coordinates "77.18, 28.51" and the text "Indian Remote Sensing Satellites".

2

ADARSH NAGAR – IT IS LINKED WITH AZADPUR FRUIT & VEGETABLE MARKET ALONG WITH SANJAY GANDHI INDUSTRIAL AREA. IT ALSO CONNECTS OUTER RING ROAD TO INNER PARTS OF NORTH-WEST DELHI.

The screenshot displays the School Bhuvan web application interface. At the top, the browser address bar shows the URL: `bhuvan-mapper.nrs.c.gov.in/ncertlevel3/#map=16/28.7159/77.1728`. The page header includes the 'School Bhuvan : NCERT-Level 3' title and the National Remote Sensing Centre logo. A search bar at the top center contains the text 'Enter City or Lat,Lon(ex:chennai or)'. Below the search bar, a toolbar offers options for 'Point', 'Line', and 'Area', along with navigation and 'Save' buttons. The main map area shows an aerial view of a densely populated urban area in Delhi, with a red location pin marking 'Adarsh Nagar (Metro Station), District: North West (Delhi)'. On the left side, an 'Edit feature' sidebar is open, showing a form for editing the selected point. The form includes fields for 'Name', 'Source', and 'Note'. The 'Name' field contains 'Adarsh Nagar (Metro Station), District: North West (D...'. The 'Source' field contains 'Hindustan Times, New Delhi, August 2, 2016, Page num...'. The 'Note' field contains 'Adarsh Nagar (Metro Station) road is near to Adarsh Nagar railway station of the Indian railways network. It's also connected with National Highway no. 1 and Shalimar bagh.' The bottom of the map shows the coordinates '77.17, 28.72' and the text 'Indian Remote Sensing Satellites'.

The screenshot displays the School Bhuvan web application interface. The browser address bar shows the URL: `bhuvan-mapper.nrsc.gov.in/ncertlevel3/#map=15/28.5389/77.1960`. The page header includes the School Bhuvan logo, the text "Gateway to Indian Earth Observation", and the title "School Bhuvan : NCERT-Level 3". On the right, it features the National Remote Sensing Centre logo and the ISRO logo with the motto "इसरो | isro".

The main content area shows a satellite map of a densely populated urban area in South Delhi. A red location pin is placed on a road intersection. A search bar at the top of the map area contains the text "Enter City or Lat,Lon(ex:chennai or)". Below the search bar are buttons for "Point", "Line", and "Area", along with navigation and "Save" buttons.

An "Edit feature" panel is open on the left side of the map. It contains the following information:

- Name:** Adhchini T-Point, District: South (Delhi)
- Note:** Adhchini T-point is part of Sri Aurobindo Marg and is an important (in south Delhi) north-south arterial road connecting historic Safdarjang's tomb to Qutab Minar.
- Source:** Hindustan Times, New Delhi, August 2, 2016, Page num...

At the bottom of the map, the text "Indian Remote Sensing Satellites" and the coordinates "77.21, 28.54" are visible.

The screenshot displays the School Bhuvan web application interface. At the top, there are browser tabs for 'School Bhuvan', 'NCERT-Level3', and 'Administrative boundary'. The address bar shows the URL: `bhuvan-mapper.nrs.gov.in/ncertlevel3/#map=14/28.6666/77.1722`. The page header includes the 'bhuvan Gateway to Indian Earth Observation' logo, the text 'School Bhuvan : NCERT-Level 3', and the 'National Remote Sensing Centre' logo with the Indian emblem and 'इसरो isro'.

A search bar contains the text 'Enter City or Lat,Lon(ex:chennai or'. Below it, a toolbar offers 'Point', 'Line', and 'Area' options, along with navigation and 'Save' buttons. A '13' indicator is visible next to the 'Save' button.

The main map area shows a satellite view of a densely populated urban area in Delhi. A blue location pin is placed on a road, with a label 'Anand Parbat Road, District: North (Delhi)'. The text 'Indian Remote Sensing Satellites' is visible in red at the bottom left of the map, and '77.16, 28.67' is shown at the bottom center.

An 'Edit feature' popup window is open on the left side of the map. It contains the following fields:

- Name:** Anand Parbat Road, District: North (Delhi)
- Source:** Hindustan Times, New Delhi, August 2, 2016, Page num...
- Note:** Anand Parbat Road is near to Sarai Rohilla railway station(Indian Railways Network).It's connecting NH-10, Ring road (inner circle), Patel Road and New Rohtak Road.

At the bottom of the popup, there are icons for email, zoom, and other map controls.

School Bhuvan NCERT-Level3

bhuvan-mapper.nrsc.gov.in/ncertlevel3/#map=16/28.5084/77.1751

**bhuvan**  
Gateway to Indian Earth Observation

School Bhuvan : NCERT-Level 3

National Remote Sensing Centre

Welcome to rubiamustari, Logout Download HRS Cities

Enter City or Lat,Lon(ex:chennai) or

Point Line Area Save

**Edit feature**

Point

**Name**  
Andheria More (MG road), District: South (Delhi)

**Source**  
Hindustan Times, New Delhi, August 2, 2016, Page num...

**Note**  
Andheria More (MG) road is near to Chattarpur Metro Station. It's connected with NH-236 (Mehrauli-Gurgaon Road), Anuvrat Marg and Abdul Gaffar Khan Marg.

DELHI

Anuvrat Marg to Qutub

Indian Remote Sensing Satellites

77.17 28.53

# ANDREWS GANJ- RING ROAD

School Bhuvan NCERT-Level3

bhuvan-mapper.nrsdc.gov.in/ncertlevel3/#map=15/28.5647/77.2293

**bhuvan**  
Gateway to Indian Earth Observation

School Bhuvan : NCERT-Level 3

National Remote Sensing Centre

Welcome to rubiamustari, Logout Download HRS Cities

Enter City or Lat,Lon(ex:chennai) or

**Edit feature**

Point

**Name**  
Andrews Ganj (Ring Road Xing), District: South (Delhi)

**Source**  
Hindustan Times, New Delhi, August 2, 2016, Page num...

**Note**  
Andrews Ganj (Ring Road X-ing) is near to Moolchand flyover, and part of the ring road (inner circle).It's connecting Lala Lajpat Rai Road.

Point Line Area Save 10

Andrews Ganj (Ring Road Xing), District: South (Delhi)

Indian Remote Sensing Satellites

77.22, 28.57



# 7 ANUVRAT MARG TO QUTUB MINAR

The screenshot displays the School Bhuvan web application interface. At the top, the browser address bar shows the URL: `bhuvan-mapper.nrs.c.gov.in/ncertlevel3/#map=16/28.5106/77.1819`. The page header includes the 'bhuvan Gateway to Indian Earth Observation' logo on the left, the text 'School Bhuvan : NCERT-Level 3' in the center, and the 'National Remote Sensing Centre' logo on the right. A search bar with the placeholder 'Enter City or Lat,Lon(ex:chennai)' is located below the header.

The main content area features a satellite map of a region in South Delhi. A red dashed line with white dots represents the 'Anuvrat Marg to Qutub Minar' path. A pink location pin is placed at the start of the path, labeled 'Andheria More (MG road), District: South (Delhi)'. The path itself is labeled 'Anuvrat Marg to Qutub Minar (Metro Station)'. A toolbar above the map includes icons for 'Point', 'Line', 'Area', navigation arrows, and a 'Save' button with a '6' notification.

An 'Edit feature' sidebar is open on the left side of the map. It contains the following fields:

- Name:** Anuvrat Marg to Qutub Minar (Metro Station), District...
- Source:** Hindustan Times, New Delhi, August 2, 2016, Page num...
- Note:** Anuvrat Marg to Qutub Minar is a stretch connects SSN Marg, Main Chattapur Marg, Mehroli-Gurgoan Road (NH-236), Sultanpur Mandi Road and Abdul Gaffar Khan Road.
- Structure:** Radio buttons for 'Bridge' and 'Tunnel'.

The bottom of the map shows the coordinates '77 19 28 51' and the text 'Indian Remote Sensing Satellites'.

# ARCHANA T- POINT- GREATER KAILASH

School Bhuvan NCERT-Level3

bhuvan-mapper.nrsdc.gov.in/ncertlevel3/#map=15/28.5539/77.2286

**bhuvan**  
Gateway to Indian Earth Observation

School Bhuvan : NCERT-Level 3

National Remote Sensing Centre

Welcome to rubiamustari, Logout Download HRS Cities

Enter City or LatLon(ex:chennai) or

**Edit feature**

Point

**Name**

Archna T-point (Greater Kailash), District: South (Delhi)

**Source**

Hindustan Times, New Delhi, August 2, 2016, Page num...

**Note**

Archna T-point (Greater Kailash) is part of Akasur vithi road. It's connects Hansraj Gupta Marg, Josip Broz Tito Marg and Sri Fort road.

Point Line Area Save 7

DELHI

Archna T-point (Greater Kailash), District: South (Delhi)

Indian Remote Sensing Satellites

77.23, 28.56

School Bhuvan NCERT-Level3 Administrative boundary

bhuvan-mapper.nrsc.gov.in/ncertlevel3/#map=15/28.5675/77.2470

**bhuvan** Gateway to Indian Earth Observation

School Bhuvan : NCERT-Level 3

National Remote Sensing Centre

Welcome to rubiamustari, Logout Download HRS Cities

Enter City or Lat,Lon(ex:chennai or

### Edit feature

Track

**Name**  
Ashram Chowk to Moolchand Flyover (ring road), Di...

**Source**  
Hindustan Times, New Delhi, August 2, 2016, Page num...

**Note**  
Ashram Chowk to Moolchand Flyover is a crossways located on the southeastern corner of the Delhi ring road (inner circle). It's at the intersection of the ring road and

**Type**  
grade3, grade2, grade4...

**One Way**

Point Line Area Save 13

Ashram Chowk to Moolchand Flyover

Indian Remote Sensing Satellites

77.24, 28.57

## C-9 BLOCK INTERSECTION IN VASANT KUNJ

The screenshot displays the School Bhuvan web application interface. The browser address bar shows the URL: `bhuvan-mapper.nrs.c.gov.in/ncertlevel3/#map=15/28.5374/77.1451`. The page header includes the School Bhuvan logo, the text "Gateway to Indian Earth Observation", and the title "School Bhuvan : NCERT-Level 3". The National Remote Sensing Centre logo is also present.

The main interface features a search bar with the placeholder text "Enter City or Lat,Lon(ex:chennai or)". Below the search bar, there are navigation controls for "Point", "Line", and "Area", along with a "Save" button and a "9" indicator. A map of Vasant Kunj is displayed, with a pink pin marking the "C-9 block intersection (Vasant Kunj), District: South West (Delhi)".

An "Edit feature" pop-up window is open on the left side of the map. It contains the following information:

- Name:** C-9 block intersection (Vasant Kunj), District: South ...
- Source:** Hindustan Times, New Delhi, August 2, 2016, Page num...
- Note:** C-9 block intersection (Vasant Kunj) is part of the Mehrli and Mahipalpur Road. It's connected with Abdul Gaffar Khan Marg, Nangal Dewat Road, Nelson Mandela Marg,

The map interface also includes a vertical toolbar on the right with zoom in (+), zoom out (-), and a layer selection icon. The bottom of the map shows the coordinates "77.14, 28.54" and the text "Indian Remote Sensing Satellites".

# WATER LOGGED AREAS IN DELHI DURING MONSOON ON SCHOOL BHUVAN-NCERT.

The screenshot displays the School Bhuvan web application interface. At the top, the browser address bar shows the URL: `bhuvan-mapper.nrsdc.gov.in/ncertlevel3/#map=10/28.6704/77.1613`. The page header includes the School Bhuvan logo, the text "Gateway to Indian Earth Observation", and the title "School Bhuvan : NCERT-Level 3". On the right, it identifies the "National Remote Sensing Centre" with its logo and the text "इसरो | ISRO".

The main interface features a search bar with the placeholder text "Enter City or Lat,Lon(ex:chennai or)". Below the search bar is a toolbar with icons for "Point", "Line", "Area", and "Save", along with a "13" indicator. The central map shows a satellite view of Delhi, with a red dashed line outlining the "Administrative boundary, Delhi". Several blue location pins are placed on the map, with labels: "Anand Parbat Road, District: North (Delhi)", "Archna T-point (Greater Kailash), District: South (Delhi)", and "100 Feet T-Point (Anuvrat Marg), District: South (Delhi)".

An "Edit feature" panel is open on the left side of the screen. It contains the following information:

- Name:** Administrative boundary, Delhi
- Source:** Economic Survey of Delhi, 2014-15
- Note:** Delhi is located at 28.61°N 77.23°E, and lies in North-Central part of India. It borders the Indian states of Haryana on the north, west and south and Uttar Pradesh (UP) to the

At the bottom left of the map, the text "Indian Remote Sensing Satellites" is visible, and the coordinates "77.50, 28.75" are shown. The bottom right corner of the map area contains the text "Edit by rubiamustari" and "Powered by Bhuvan".



## Activity:

- Collect information from different sources about waterlogged areas during Monsoon in your city.
- Develop a map of your own district on School Bhuvan-NCERT portal and show waterlogged areas during heavy rainfall.

