



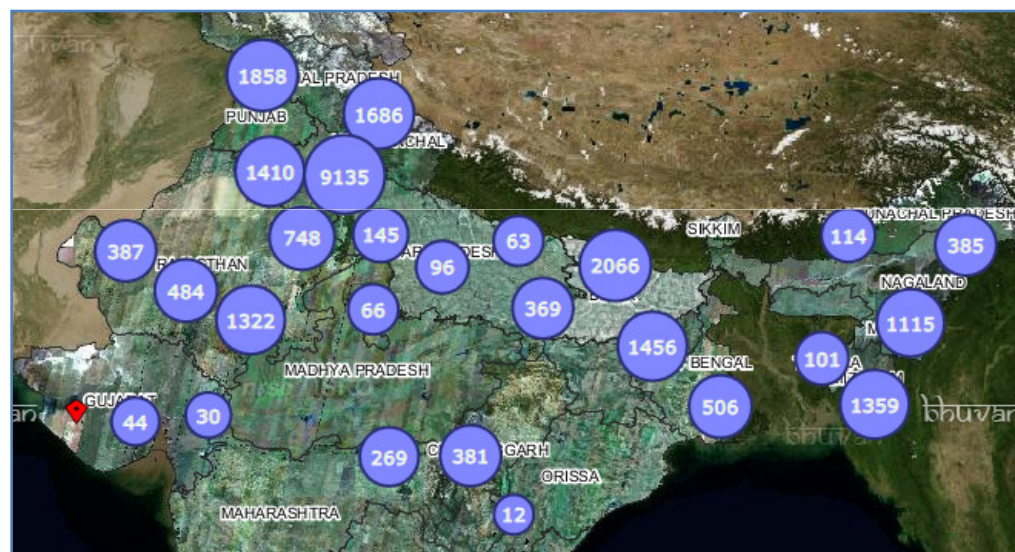
Bhuvan

The enabling platform for Locational Intelligence



www.bhuvan.nrsc.gov.in

The Gateway to Geospatial World



Developed with Open source Solutions

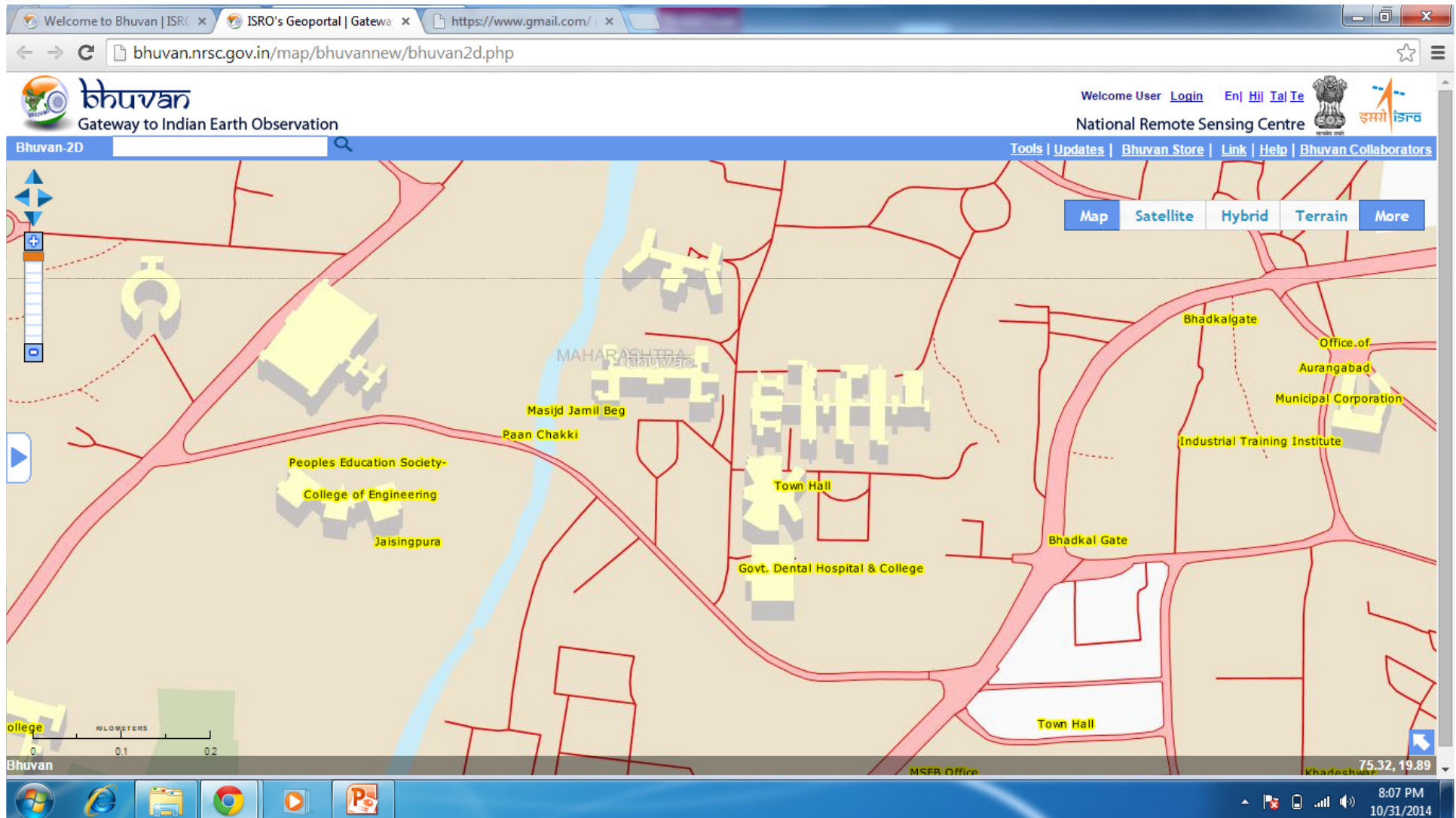
National Remote Sensing Centre

Indian Space Research Organization
Department of Space, Hyderabad

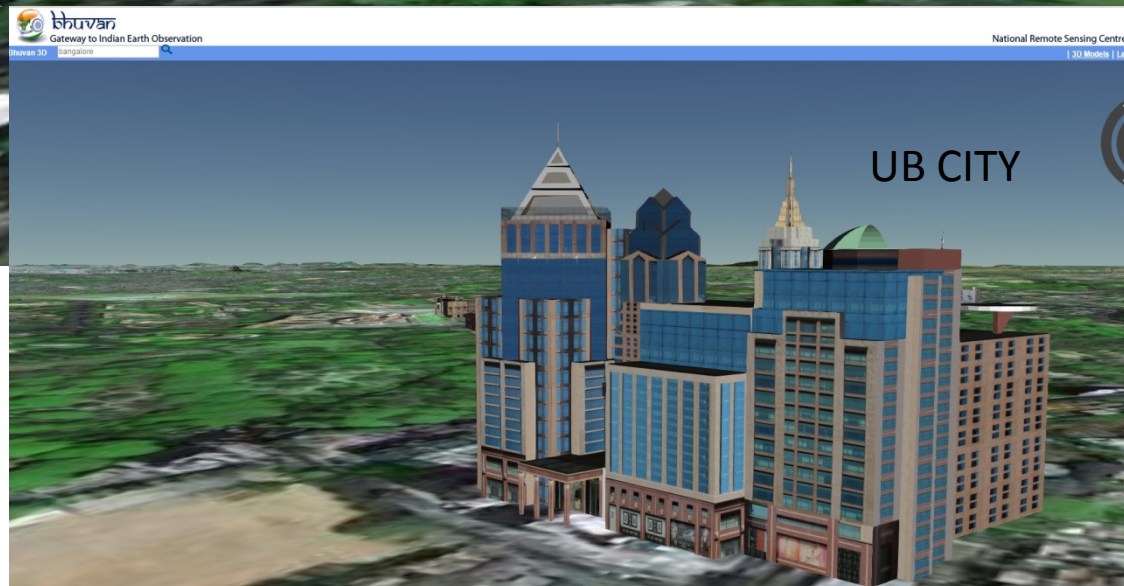
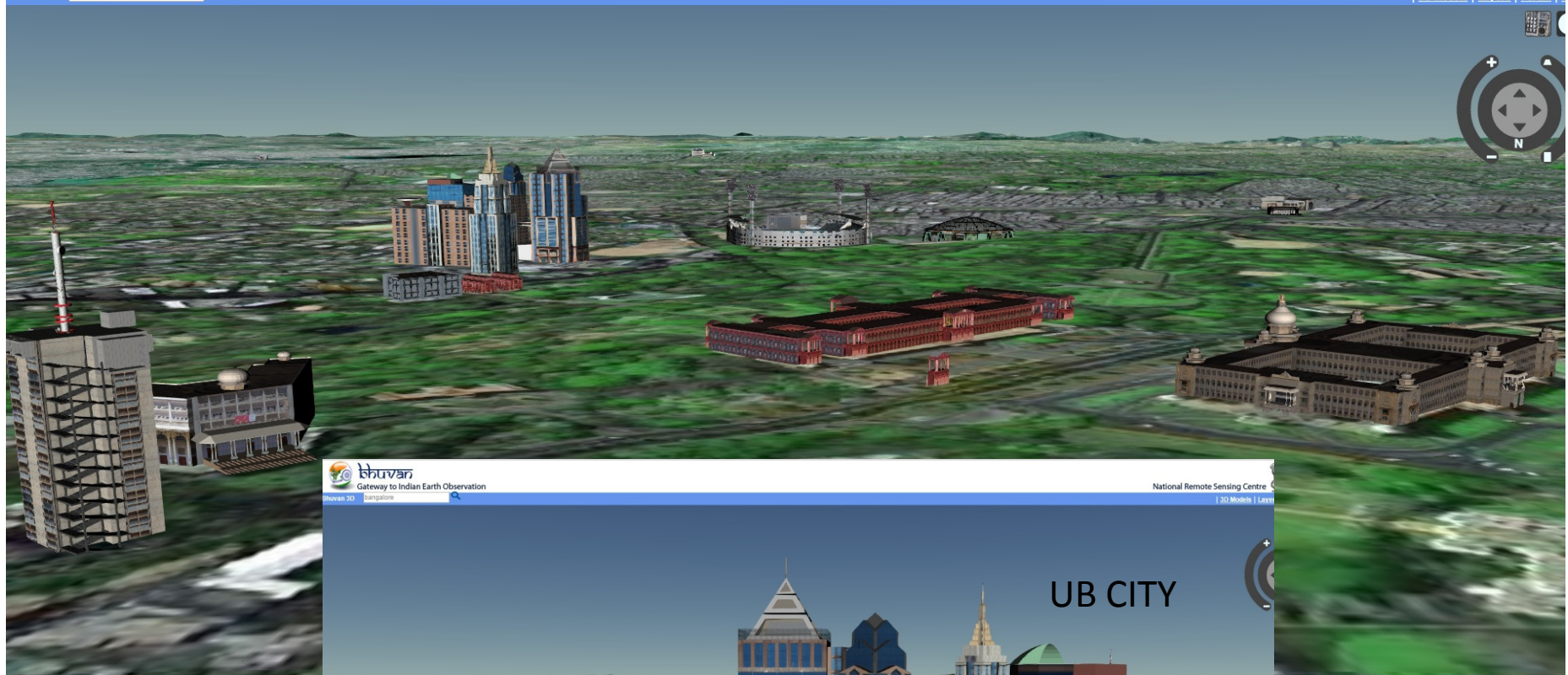
Vinod M Bothale

Group Director
Geoportal and WebGIS Services

1 m Meter Resolution 212 cities



3D MODELS IN BENGALURU




FDC - Collect D...

Ground Truth for FASAL

Feature Type:
☐ Point ☐ Line ☐ Polygon

lat:17.46831594694288, lon:78.44700527788366
Capture Point:

Point: 78.44698615403337,
17.46834567270031, 5:



State, District, Village

Field/SiteID(YYYYMMDD-NNN)

Type of Crop

Size of Crop Field/site

Crop Growth-Stage

Crop Health-Condition

Crop Cover-on-Ground

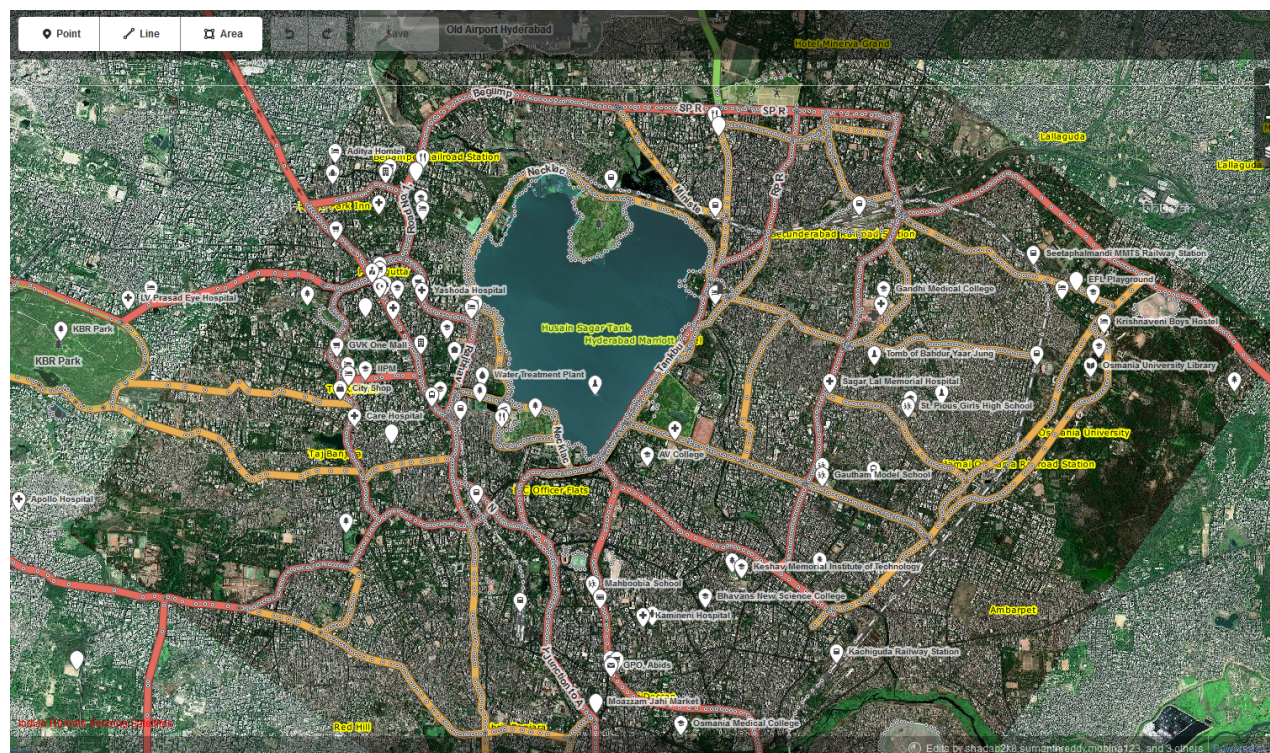
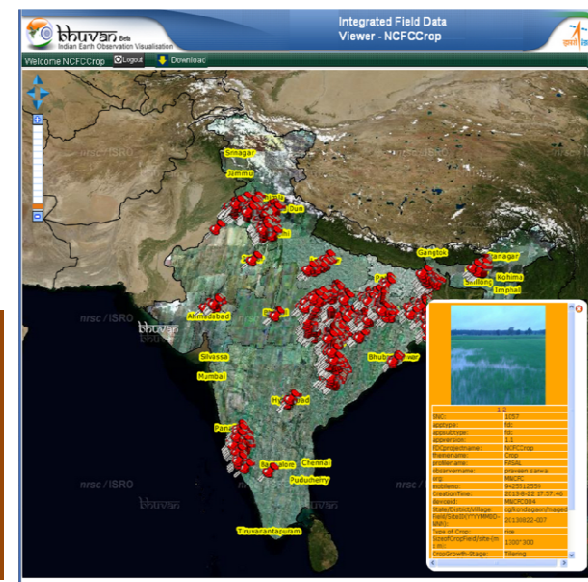
Crop Variety

Date of Sowing, Exp. date of Harvesting

FDC app - MNCFC version 1.1
© National Remote Sensing Centre / ISRO **nrsc**


Bhuvan Crowd Sourcing

- Mobile Apps
 - MNCFC, Pest/ Disease Surveillance, MANU, NABARD
- Bhuvan Mapper (EKTA)
 - City Mapping, MANU, MERI, HUDHUD



Locational Requirements of different Kind

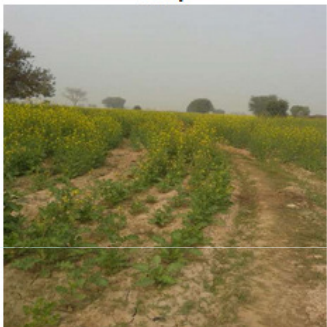
Bhuvan
Gateway to Indian Earth Observation

Welcome User [Login](#) [En](#) [Hi](#) [Ta](#) [Te](#)
National Remote Sensing Centre  [ISRO](#)

Bhuvan-2D

[Tools](#) | [Updates](#) | [Bhuvan Store](#) | [Link](#) | [Help](#) | [Bhuvan Collaborators](#)

Crop



Information	Type of Crop:mustard Crop Health Condition:Average
Posted Time	2014-01-10 14:34:04
Posted By	Neetu Rathi

Map | **Satellite** | **Hybrid** | **Terrain** | **Less**

LAYERS

- ☒ Field Photographs/Info(FP/FI)
- ☒ Crop
- ☒ Land Cover and Natural Resources
- ☒ Landslides
- ☒ POI
- ☒ RiverBankErosion
- ☒ FP/FI Cluster
- ☐ Infrastructure (Road & Rail)
- ☐ Rediff Maps
- ☐ Survey Of India
- ☒ Bhuvan

Disclaimer: This is version 1.0 data. Improvements are being done. NSRC/ISRO disowns responsibility for any inadvertent errors, beyond its limitations.

☒ Settlement Locations

☐ Cities/Towns (Population > 1 Lakh)

☐ Hydrological Boundary

☐ Waterbodies

SERVICES

APPLICATIONS

BHUVAN 3D

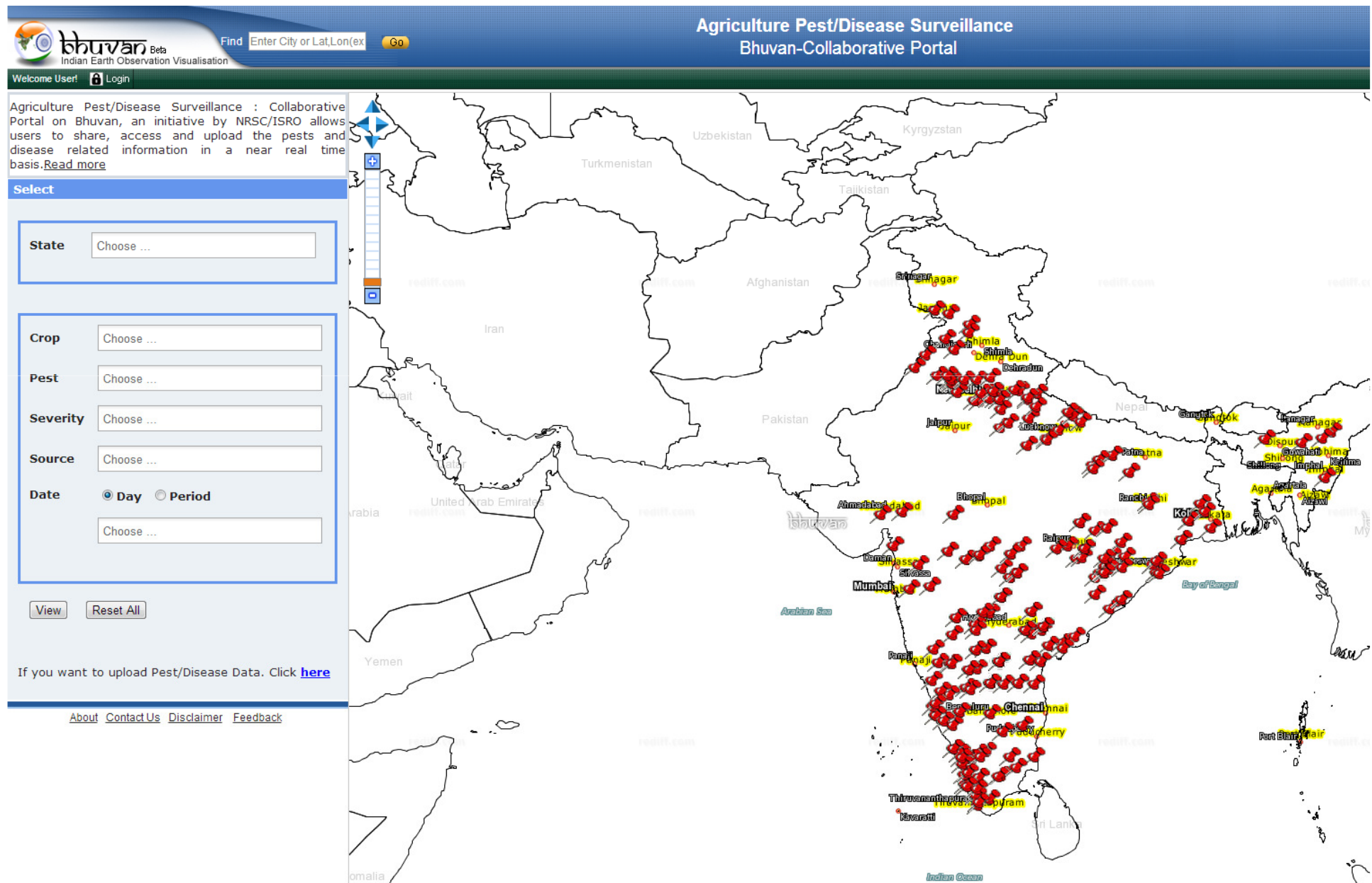
[Discussion Forum](#) | [Send Mail](#)

[start](#) | [ISRO's Geoportal](#) | [G...](#) | [Bhuvan_Engr_Concla...](#) | [Search Results](#)

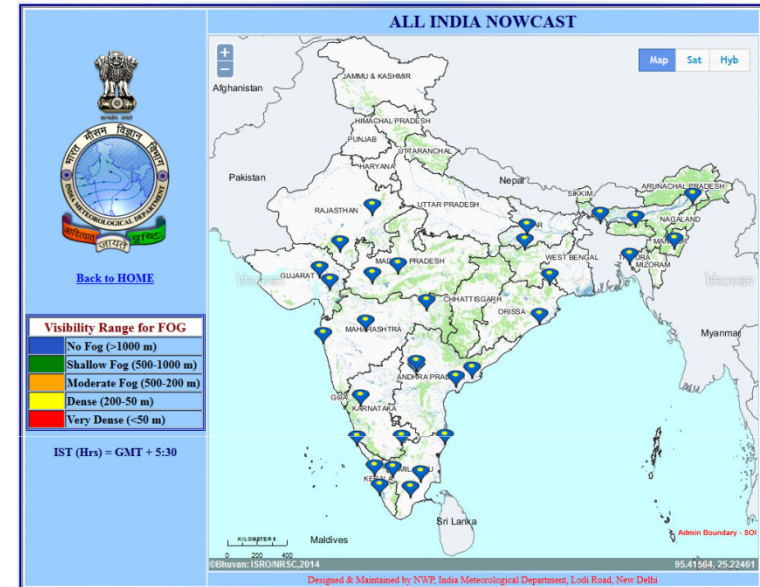
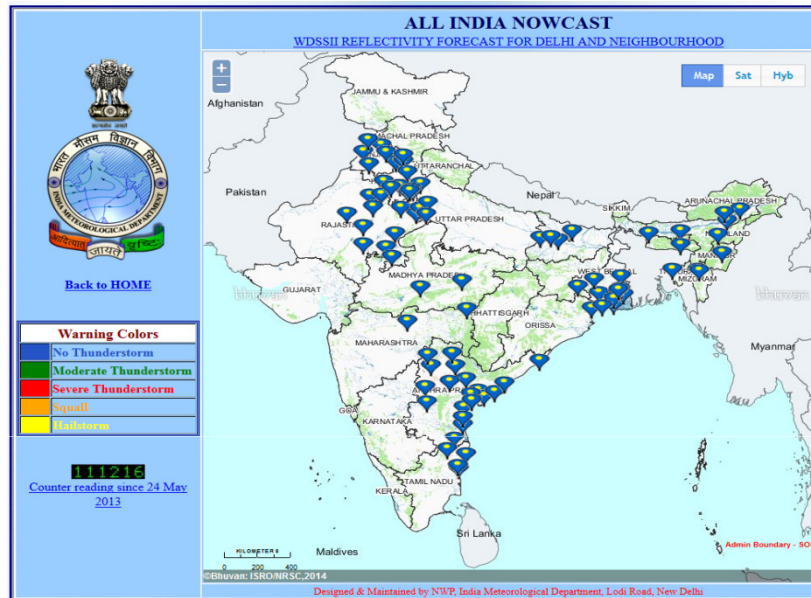
[Contact us](#) | [Terms](#)

3:26 PM

Agriculture : Pest / Disease Surveillance

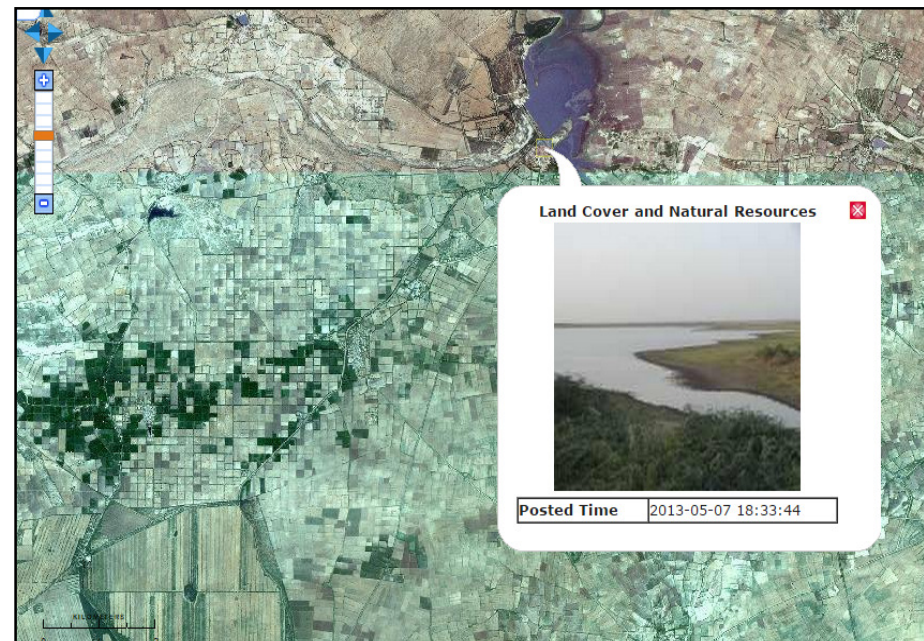
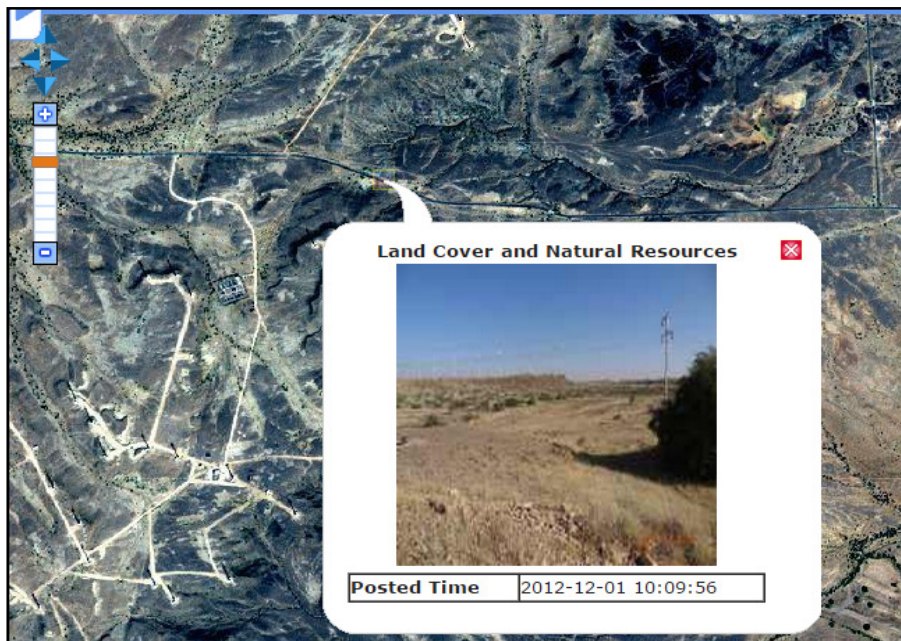
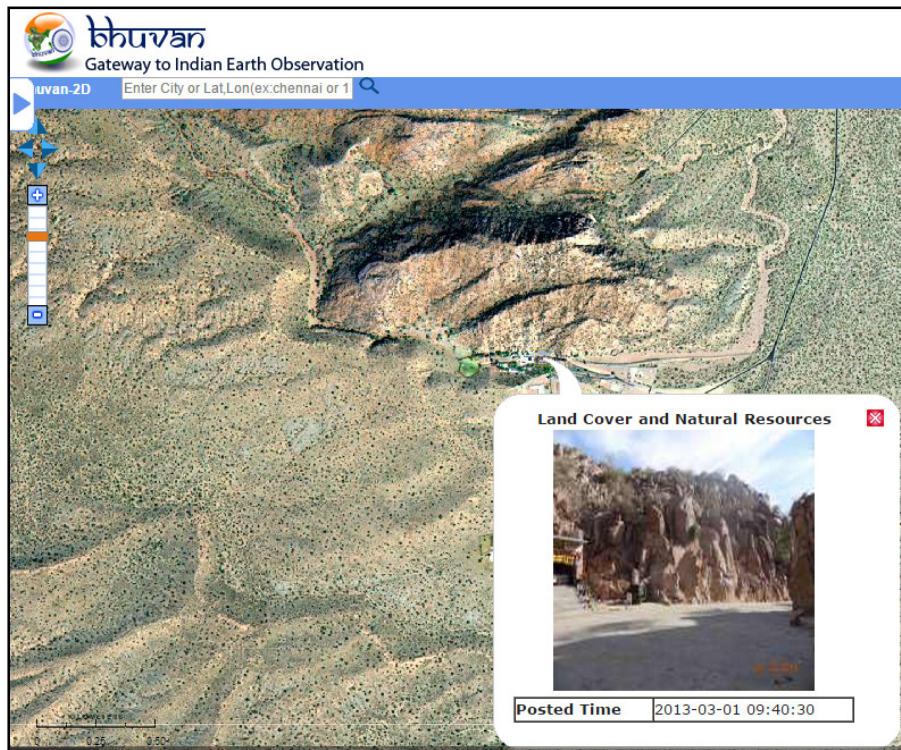


IMD Nowcast: Visualization on Bhuvan



- Visualization of IMD Nowcast - Fog and Thunderstorm using Bhuvan services
- OGC Compliant services - Bhuvan Satellite and Base map
- Custom application from IMD servers
- Classification and mouse hover info

Knowledge Transfer to migrate all visualization from
“Google to Bhuvan”



Disaster Management Support

File Edit View History Bookmarks Tools Help

Welcome to Online Ordering S... Welcome to Bhuvan | ISRO's ... Indian Earth Observation Visu...

bhuvan-noeda.nrsc.gov.in/disaster/disaster/disaster.php#

bhuvan
Gateway to Indian Earth Observation

Disaster Services(NDEM Public)

Enter City or Lat/Lon(ex:chennai or 10 76) **Cyclone | Drought | Earthquake | Flood | Forest Fire | Landslide**

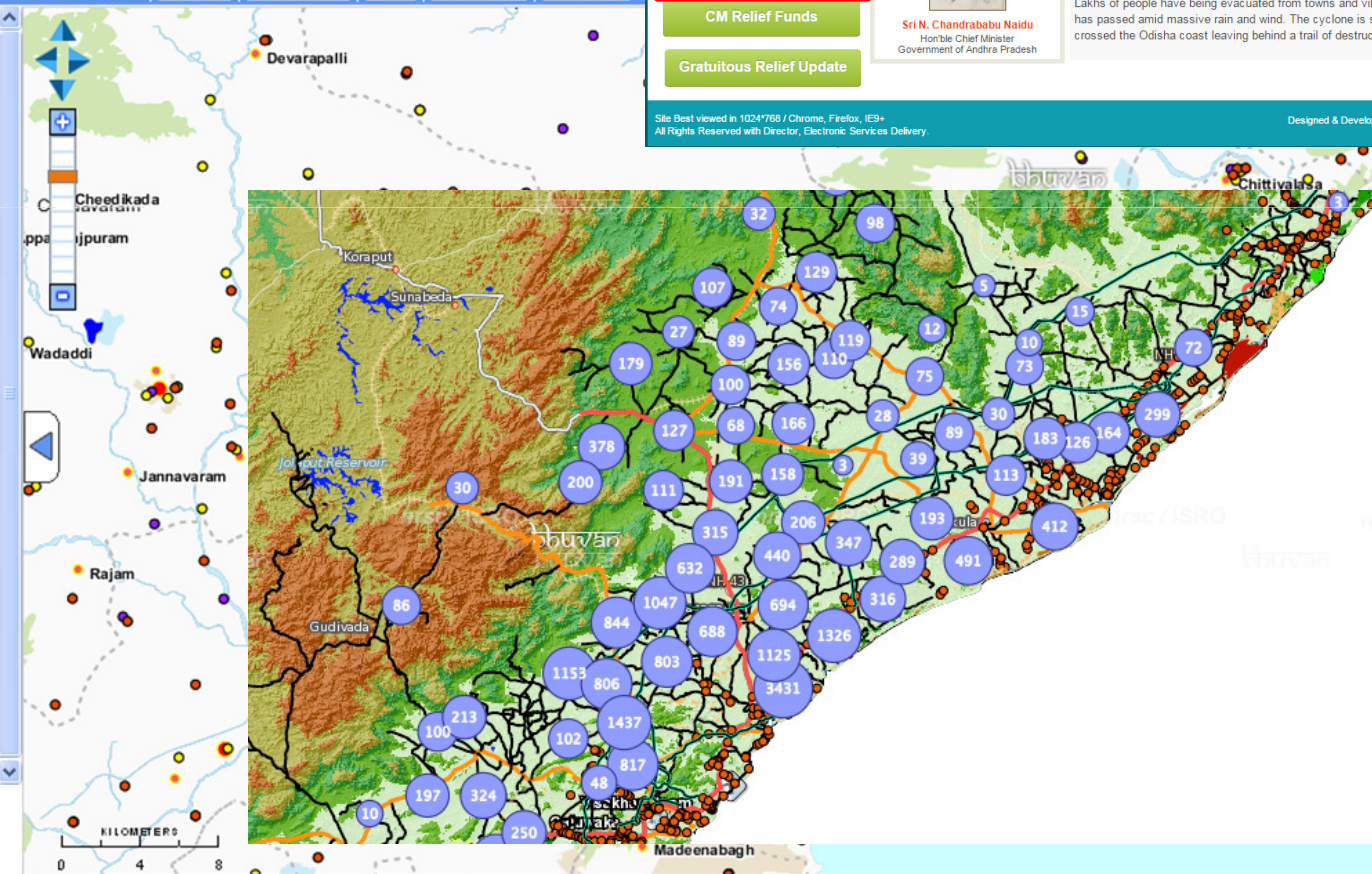
Cyclone NILOFER
Cyclone HUDHUD

Track
Quick Mobile Survey
Crowdsourced Data
Inundation
Forecast
Spatial Overlay
Additional Layers

☒ Mobile Towers Affected
Legend
☐ BSNL Total Mobile Towers
Legend
☐ Total Substations
☒ Substations Affected

[Share Field Data New](#)

[Support for International Disasters](#)



For any Technical Queries Please Contact : 040 - 45676688

HUDHUD DAMAGE ASSESSMENT & RELIEF MONITORING SYSTEM
Government of Andhra Pradesh

Home Circulars & Go's Gallery Downloads Media Releases Skilled Worker Tracking Telecom Status Power Status Helpline Numbers

Department Login
Username Password LOGIN

Updates
The Honble CM has made an aerial survey of the affected areas & directed all the officials to ensure quick relief operations.
The chief minister has enhanced the relief package to the cyclone victims for human loss, crop damages, house damages etc....
44 IAS officers are continued to oversee the relief

ABOUT HUDHUD CYCLONE
Cyclone Hudhud pounded the coastal districts of Andhra Pradesh and Odisha with heavy rain and winds of almost 200 kmph on Sunday leaving a trail of devastation with Visakhapatnam where the very severe storm made landfall bearing the brunt.
Lakhs of people have being evacuated from towns and villages through which the cyclone has passed amid massive rain and wind. The cyclone is similar to last year's Phailin that crossed the Odisha coast leaving behind a trail of destruction.

Citizen Inputs
Maps (Bhuvan)
CM Relief Funds
Gratuitous Relief Update

Sri N. Chandrababu Naidu
Honble Chief Minister
Government of Andhra Pradesh

Site Best viewed in 1024*768 / Chrome, Firefox, IE9+
All Rights Reserved with Director, Electronic Services Delivery.

Designed & Developed by **APOnline**



bhuvan

Gateway to Indian Earth Observation

Welcome User [Login](#) [En](#) [Hi](#) [Ta](#) [Te](#)



National Remote Sensing Centre

[Tools](#) | [Updates](#) | [Bhuvan Store](#) | [Link](#) | [Help](#) | [Bhuvan Collaborators](#)

uvan-2D Enter City or Lat,Lon(ex:chennai or 1

[Map](#) | [Satellite](#) | [Hybrid](#) | [Terrain](#) | [More](#)

POI



Information	Reason of Damage:Others:- earthquake
Posted Time	2013-10-20 16:08:38
Posted By	ajay vipin shyam

KEDARNATH

Garuriya

Ghinurpani

Rambai

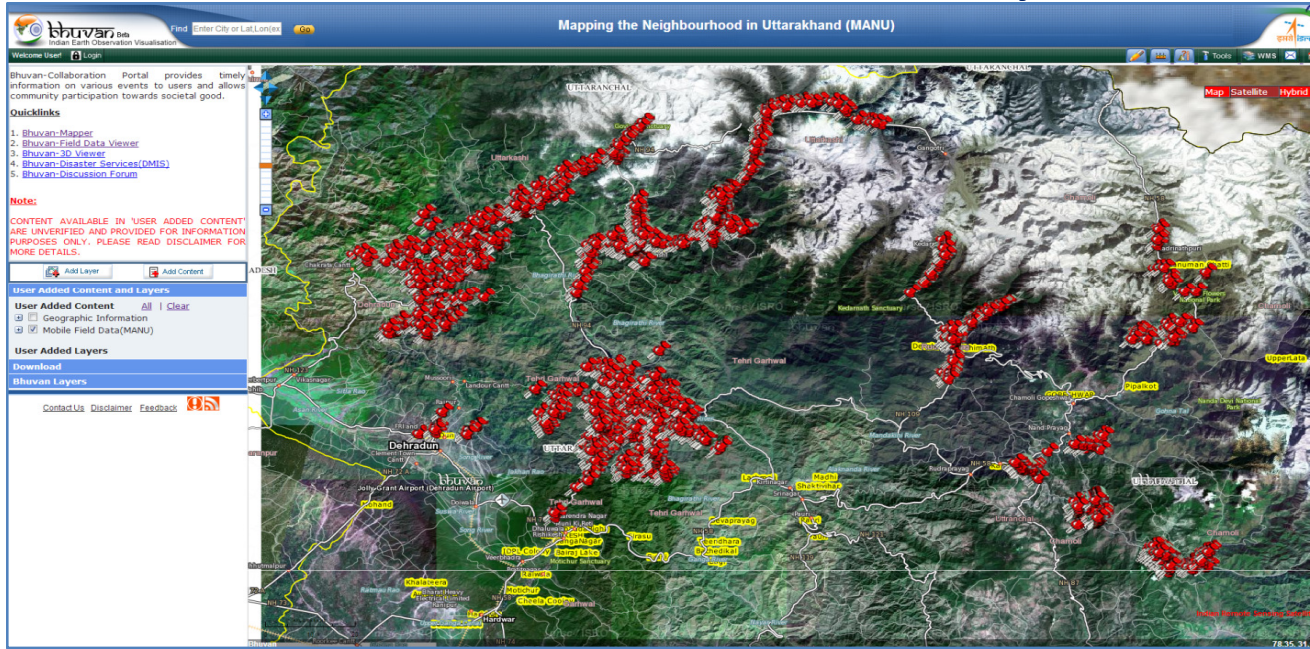
Indian Remote Sensing Satellites

79.07, 30.66

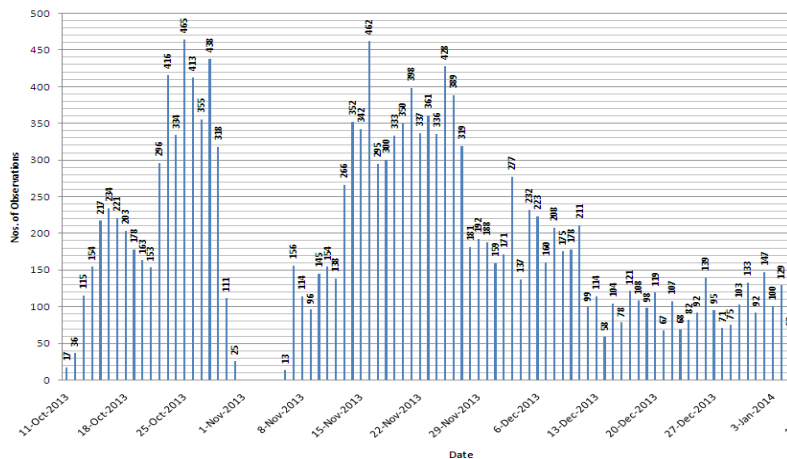


MANU : Collaboraton Portal : Field data Collected from Mobile

“Trained : 150 Students of 3 University ; On Field : 30 Teams of 3 each”



Profile of Day wise data collection



Total No Of Locations Collected ~

19,799

(11 Oct 2013 - 18 Feb 2014)

Bridges or Culverts	- 0185
LandCover and NaturalResources	- 1442
Roads	- 1160
OtherInfrastructure	- 1118
LandSlides	- 3097
RiverBankErosion	- 1022
Buildings	- 2609
BhuvanPOI	- 9146

Sl.No	6346
apptype:	fdc
appsubtype:	fdc
FDcprojectname:	MANU
themename:	MANU
profilename:	LandSlides
observername:	ajay vipin shyam
Village Name:	gaunkund
Tehsil Name:	ukhimath
Affected Feature:	Road,Forest
Settlement Name or Length of Damaged Road/Bridge(approx in meters):	1000
Extent of Damage:	Totally Damaged
Slope:	Steep
Lithology:	Hard Rocks
Land Use / Land Cover:	Open Forest
Landslide Status:	New
Landslide Material:	Debris
Type of Movement:	Slide
Nature of Failure Surface:	Planar
Anthropogenic Activity:	Toe Removal
Remarks:	main road to keidemat
Added Remark:	ok
Remark By:	manunrsc1
Remark on:	2013-11-12 14:10:35.373

Moderation : Accept, Reject, Edit, Review & Accept – 15 moderators



bhuvan

Gateway to Indian Earth Observation

Welcome ap_hq [Logout](#)

National Remote Sensing Centre



Inventory of Basic Minimum Facilities at Polling Station

You have Logged in as CEO,Andhra Pradesh

District	Anantapur		
Name & No of Assembly	Dharmavaram		
Name of the Mandal	Tadimarri		
Name & No Polling Station	2,PINNADARI		
Name of the Polling station Location (Building in Which PS is Located)	Zilla Parishat High School RoomNo.1 East Side	Lat 14.5815	Lon 77.8179
PS room dimensions (Length & width in Feet)	23 Feet	24 Feet	
Entry & Exit	<input type="button" value="Seperate"/> <input checked="" type="button" value="Common"/>		
Ventilation	<input checked="" type="button" value="Yes"/> <input type="button" value="No"/>		

Election Commission AP

“Role Based Access – HQ, District (23 Nos), Assembly (294 Nos) login”

Total No of Polling Stations **69014**

Updated Polling Stations **67502**

<http://bhuvan.nrsc.gov.in/election.html>

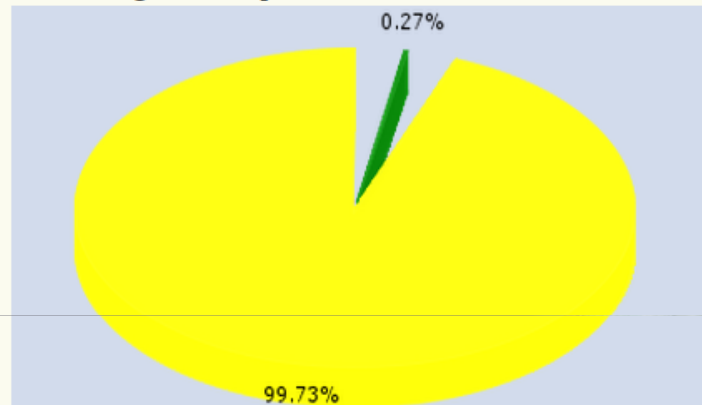
Statistics	Summary Report	Detailed Report
Select District	Anantapur	
Select Assembly	Dharmavaram	
Status	<input checked="" type="radio"/> Updated <input type="radio"/> Not Updated	
Facility List	Electricity	
Data Need	<input type="checkbox"/> Availability <input checked="" type="checkbox"/> Not Availability	
<input type="button" value="View Report"/> <input type="button" value="Download Report"/>		

Ramp Facility	<input checked="" type="button" value="Yes"/> <input type="button" value="No"/>
Drinking Water Facility	<input checked="" type="button" value="Yes"/> <input type="button" value="No.Staff Arranged"/>
Toilets(Men & Women)	<input type="button" value="Seperate"/> <input checked="" type="button" value="Common"/> <input type="button" value="No Toilet"/>
Furniture	<input checked="" type="button" value="Available"/> <input type="button" value="To be arranged"/>
Electric Facility	<input checked="" type="button" value="Yes"/> <input type="button" value="No"/>
Facility Available	<input checked="" type="checkbox"/> 5AMP Sockets <input checked="" type="checkbox"/> Electric Points <input checked="" type="checkbox"/> Fans <input checked="" type="checkbox"/> Lights
Compound wall to PS building	<input type="button" value="Yes"/> <input checked="" type="button" value="No"/>
Shed/varandaw for Queue	<input checked="" type="button" value="Yes"/> <input type="button" value="No"/>
Polling Station Name Board (Signange) at approach/ on the building	<input checked="" type="button" value="Yes"/> <input type="button" value="No"/>
Polling Station Photo (Max size:2MB .jpg,.gif,.png)	<input type="button" value="Choose file"/> No file chosen

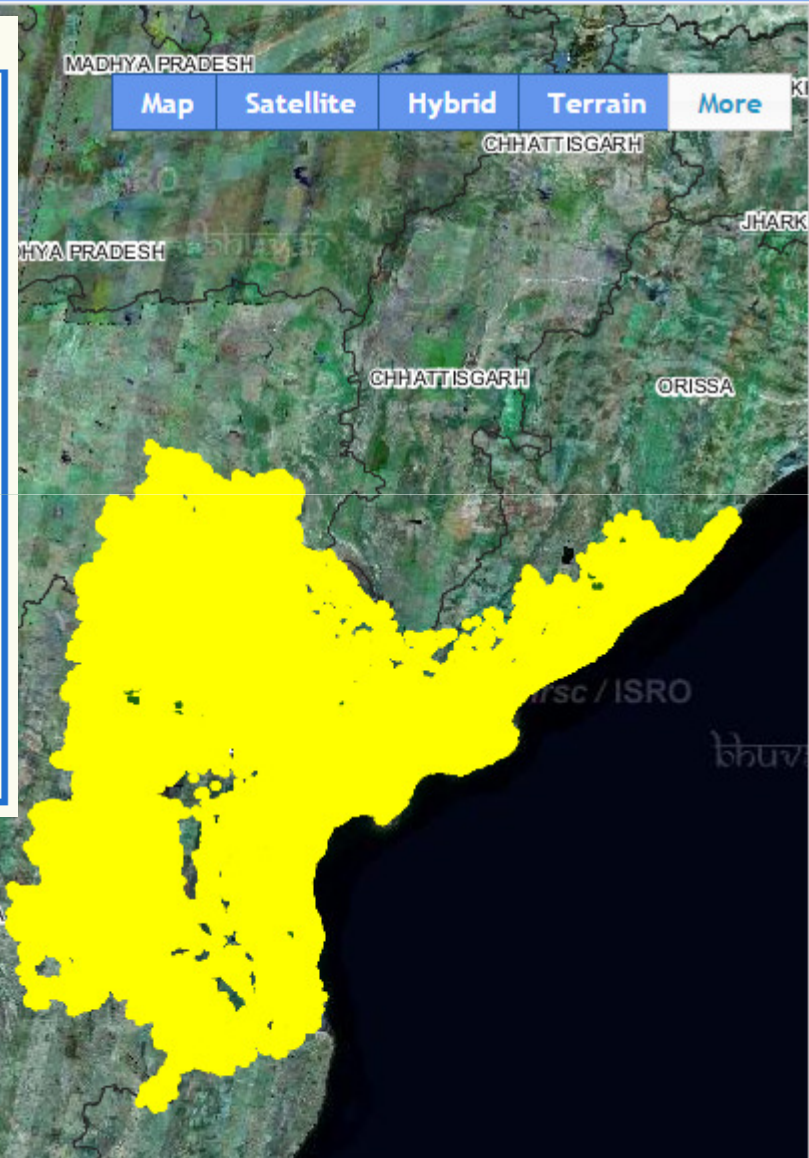
[Statistics](#) [Summary Report](#) [Detailed Report](#)

☒ State-wise Statistics
 ☐ District-wise Statistics
 ☐ Assembly Wise Statistics
 Select

Polling Station Updation status for Andhra Pradesh



Legend	Total Count	in Percentage
Not Updated	188	0.27
Updated through Desktop	68825	99.73
Updated through Mobile	0	0
Total Number of Polling Stations	69013	100



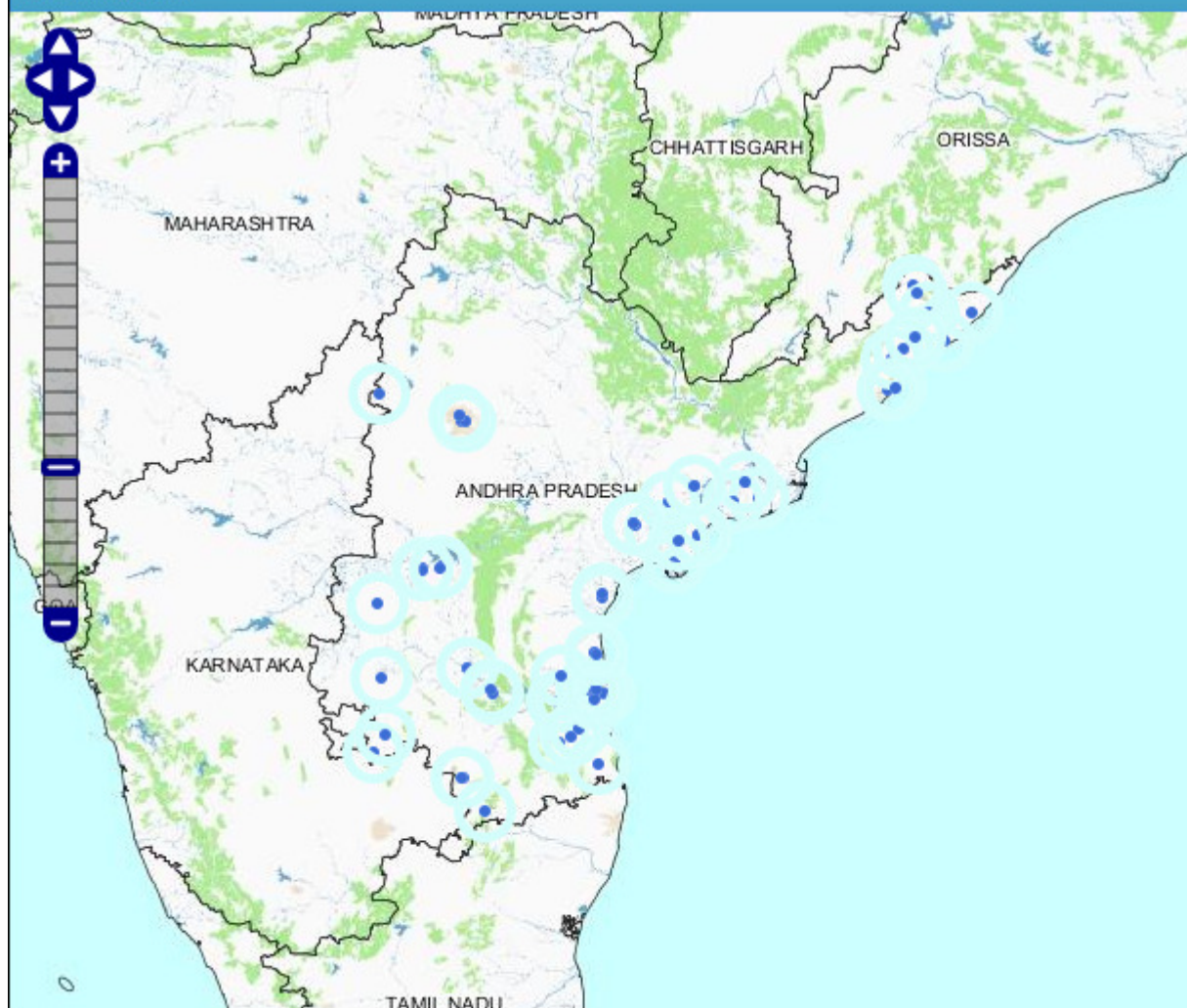


bhuvan

Gateway to Indian Earth Observation

Vehicle Tracking System

Navigation Panel



Tools

[Log out](#)

[Settings/Configuration](#)

[Device Info](#)

Vehicle status	Vehicle name	Select
	B.BALA SUBRAMANYAM	<input checked="" type="radio"/>
	CH.MADHAVA RAO	<input type="radio"/>
	K.Chandrasekhar	<input type="radio"/>
	Md.Abdul Azeem	<input type="radio"/>

Vehicle Details

Group Name:

Vehicle Name:

Vehicle no:

Device model:

Driver name:

License no:

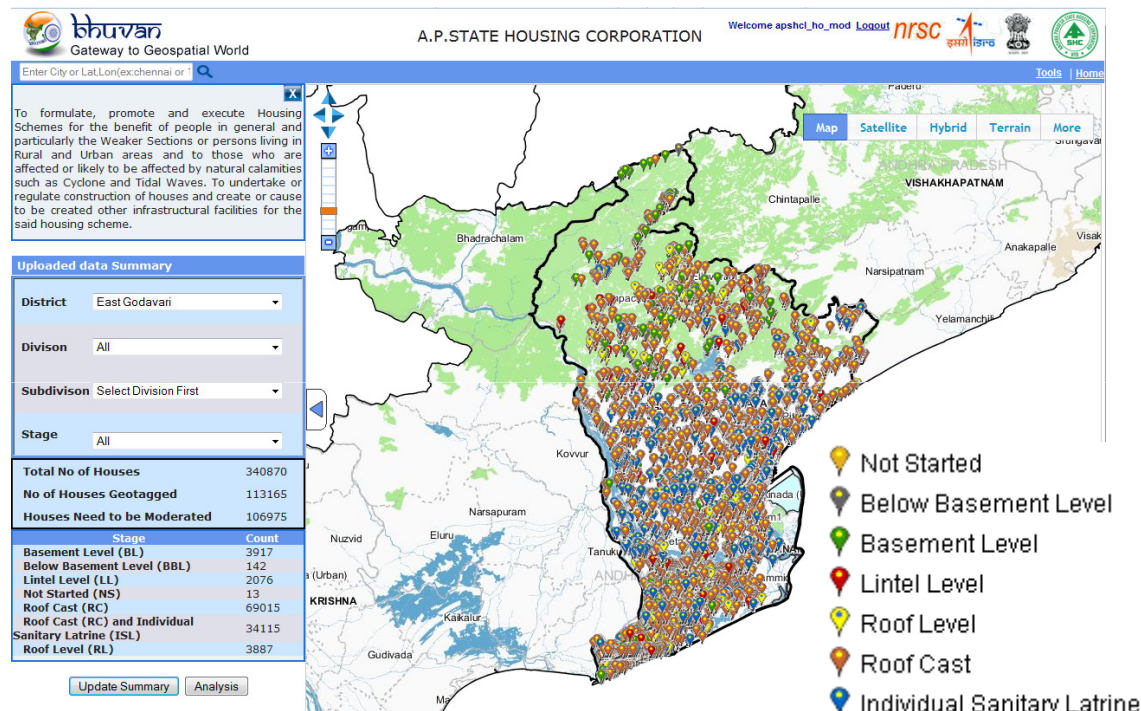
Address:

[Tracks](#)

AP State Housing Corporation

“Role Based Access – HQ, District (13 Nos), Division (43 Nos), Subdivision (179 Nos) login”

Visualization of Geo-tagged houses through Mobile



- Geo-tagging of houses through Mobile apk with customized attributes.
- Spatial View of Geo-tagged Photos
- Stage Wise Filter of Houses
- Report generation for Collected and moderated Points
- Moderation - Visual Verification for DEE logins

Geo-tagged Photo Details

APSHCL HOUSE DETAILS	
	
observername	B. SURYANARAYANA
org	APSHCL, BONDAPALLI MANDAL
mobilen	7799722647
creationtime	2014-11-24 10:46:50
uuid	c29b1fe08384f2a
User Id	AE022001
Location Captured from	Door Step (DS)
Photo-1 captured from	Center
Photo-2 captured from	Right
Beneficiary ID	020212019p3668867
House Type	Single
Direction (Face of the House)	North
Stage of Construction	Roof Cast (RC)
Condition of the House	Good
Occupation Status	Occupied by Ben

Statistics as on 20-01-2015

Total No of Houses	3682255
No of Houses Geotagged	2002731
No of Houses Moderated	115448

Bhuvan

Summary of the Microwatersheds can be obtained State-wise, Year-wise, District-wise.

Microwatersheds Special IWMP Microwatersheds

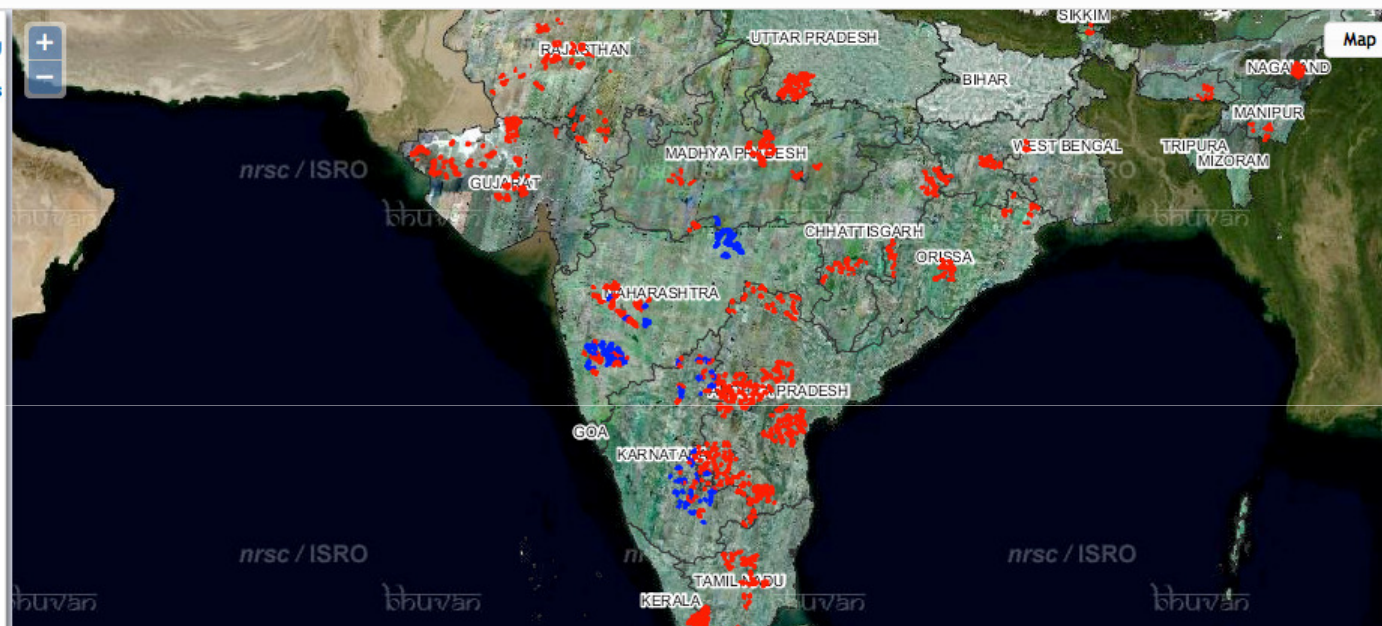
State: Select State

Summary of Microwatersheds

Select Microwatersheds by navigating through selection of State->Year->District to get the Details and Layers available

Microwatershed Legend

- PREPARATORY
- WORK
- CONSOLIDATION



Summary of the Microwatersheds can be obtained State-wise, Year-wise, District-wise.

Microwatersheds Special IWMP Microwatersheds

State: MAHARASHTRA Year: Select Year

Summary of Microwatersheds

Year-wise Summary
State: MAHARASHTRA

SNo.	Year	Total Microwatersheds	Area (Ha)	Preparatory	Ongoing	Consolidated
1	2009-10	15	0	15	0	0
2	2010-11	467	0	467	0	0
3	2011-12	285	0	285	0	0
4	2012-13	167	1	167	0	0
5	2013-14	149	0	149	0	0
6	null	7	0	7	0	0
Total		1090	1	1090	0	0

 **Bhuvan Beta**
Indian Earth Observation Visualisation

Welcome Bhuvanite


See the City

Search

[Top Destination](#) [Travel](#) [Home](#)

- Bagh Ramanand
- Toba Bhai Salo Ji
- Gurudwara Santokhsar Sahib
- Town Hall
- Gurudwara Lohgarh Sahib
- Guru Ka Mahal
- Saraghari Gurudwara
- Gurudwara Baba Deep Singh Ji
- Gurudwara Ramsar
- Jalianwala Bagh
- Darshini Deori

[Legend](#) [Contact Us](#) [Disclaimer](#) [Feedback](#)

 **PUNJAB™**
India begins here

All donations towards the Prime Minister's National Relief Fund (PMNRF) are notified for 100% deduction from Taxable Income under section 80G of the income tax Act, 1961

[Travel](#) [Trade](#) [Media](#) [Amritsar Tourism Web-GIS](#) [Sitemap](#)

[Know More >>](#) [Know More >>](#) [Know More >>](#) [Know More >>](#) [Know More >>](#)

Visitors Count: 288518

Copyright 2013 and 2014. All rights reserved

**Tourist
Spots
Visits**

Stay

Food

Travel



Banking

Shopping



Travel Routes for Places of Visits

+ Tourism for Archaeological Sites

Generate Maps From Text - Select following
Choropleth Maps
Point Map

☒ Base Layer
Choropleth Map layers
☒ Electricity_Available_0_2008_09
Legend Edit-Range  

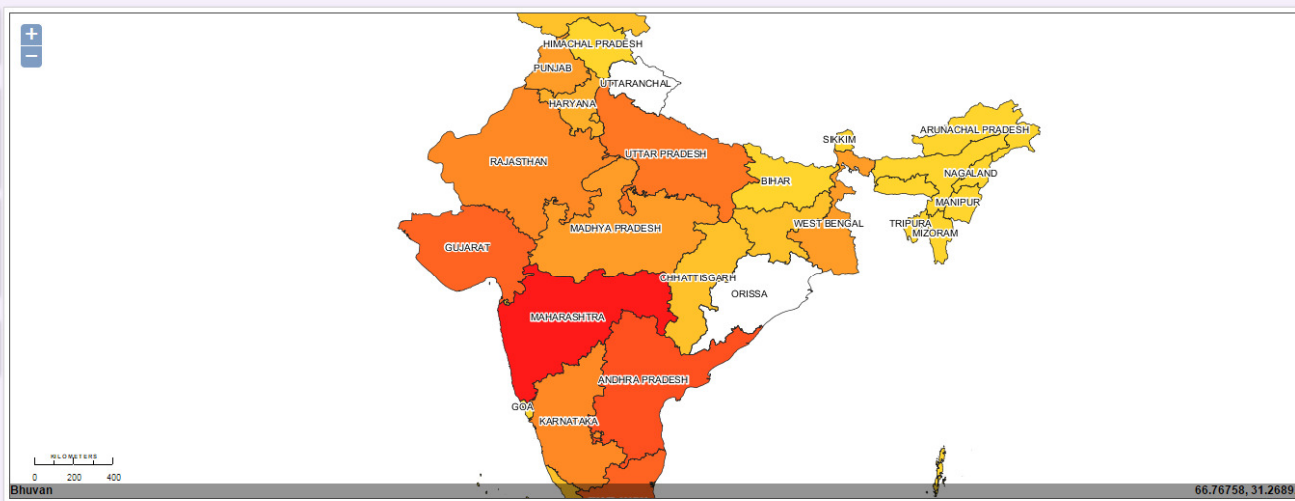
Point Layers

Select Attribute | 2008_09  

Unmatched Entries
Numeric Type Attributes

Attribute	MIN	Max
2002_03	21	75723
2003_04	22	78668

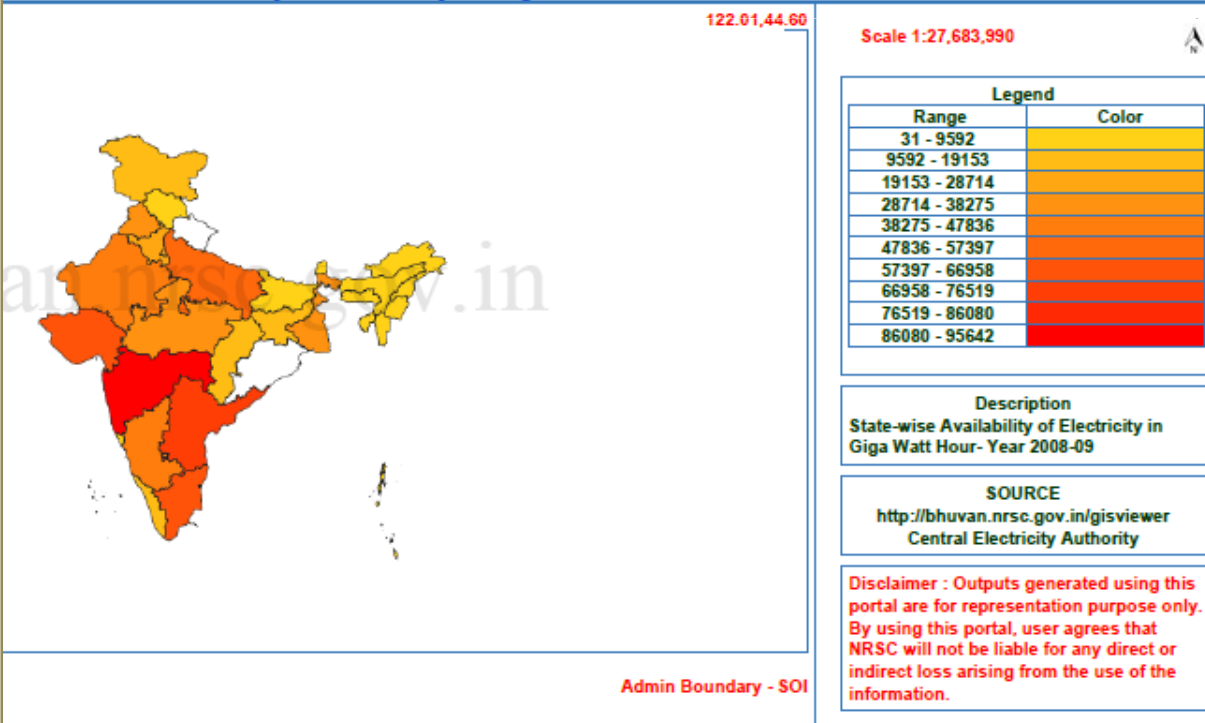
Color-Ramp/Legend/Edit-Range
File Name: Electricity_Available_0
Attribute Name: 2008_09



File Edit Format View Help

State, 2002-03, 2003-04, 2004-05, 2005-06, 2006-07, 2007-08, 2008-09
Andaman & Nicobar Islands, 135, 153, 126, 154, 178, 205, 212
Andhra Pradesh, 45006, 47279, 51309, 49822, 56390, 63048, 67428
Arunachal Pradesh, 130, 238, 406, 321, 328, 517, 511
Assam, 3178, 3164, 3862, 3692, 3884, 4144, 4483
Bihar, 5990, 5921, 6494, 7179, 7756, 8580, 9294
Chandigarh, 1059, 1367, 1319, 1438, 1421, 1518, 1473
Chhattisgarh, 11214, 10881, 11770, 12747, 13829, 15116, 16330
Dadra & Nagar Haveli, 1504, 1821, 2105, 2657, 3061, 3572, 3636
Daman & Diu, 966, 1104, 1186, 1387, 1497, 1675, 1658
Delhi, 20591, 23862, 23526, 26120, 21907, 22884, 22456
Goa, 3195, 2761, 2877, 2666, 2938, 3233, 3158
Gujarat, 48162, 50097, 53411, 51452, 54270, 60302, 60540
Haryana, 18800, 19014, 20403, 22199, 24969, 27185, 27854
Himachal Pradesh, 4402, 5620, 5738, 4668, 5360, 6046, 6463
Jammu & Kashmir, 6465, 6967, 6696, 7606, 8394, 9101, 9603
Jharkhand, 8976, 10706, 11154, 12774, 14705, 14820, 16615
Karnataka, 29383, 30171, 33524, 36597, 41426, 41716, 43437
Kerala, 12300, 11635, 12285, 13321, 13983, 14348, 14035
Lakshadweep, 21, 22, 22, 25, 28, 29, 31
Madhya Pradesh, 26820, 27178, 29321, 32322, 33079, 36689, 35224
Maharashtra, 75723, 78668, 82075, 85870, 91092, 97389, 95642
Manipur, 491, 504, 604, 510, 467, 542, 538
Meghalaya, 935, 966, 1290, 1213, 1204, 1432, 1512
Mizoram, 278, 292, 386, 221, 235, 324, 350
Nagaland, 292, 303, 354, 353, 346, 412, 463
Odisha, 12528, 16955, 18483, 14885, 16036, 18663, 20459
Puducherry, 1961, 2030, 2222, 2291, 2493, 2202, 2125
Punjab, 28676, 30627, 30564, 33493, 35956, 38721, 37995
Rajasthan, 26690, 27157, 30159, 29982, 31110, 36290, 38875
Sikkim, 162, 405, 528, 234, 290, 412, 453
Tamil Nadu, 45015, 47703, 51487, 54730, 62064, 64403, 65420
Tripura, 674, 835, 1129, 629, 605, 696, 702

State-wise Availability of Electricity in GigaWattHour- 2008-09



A place without meaning is no place to be

- Wayne Gerard Trotman, Veterans of Psychic Wars

Thanks

www.bhuvan.nrsc.gov.in

vinod.bothale@gmail.com