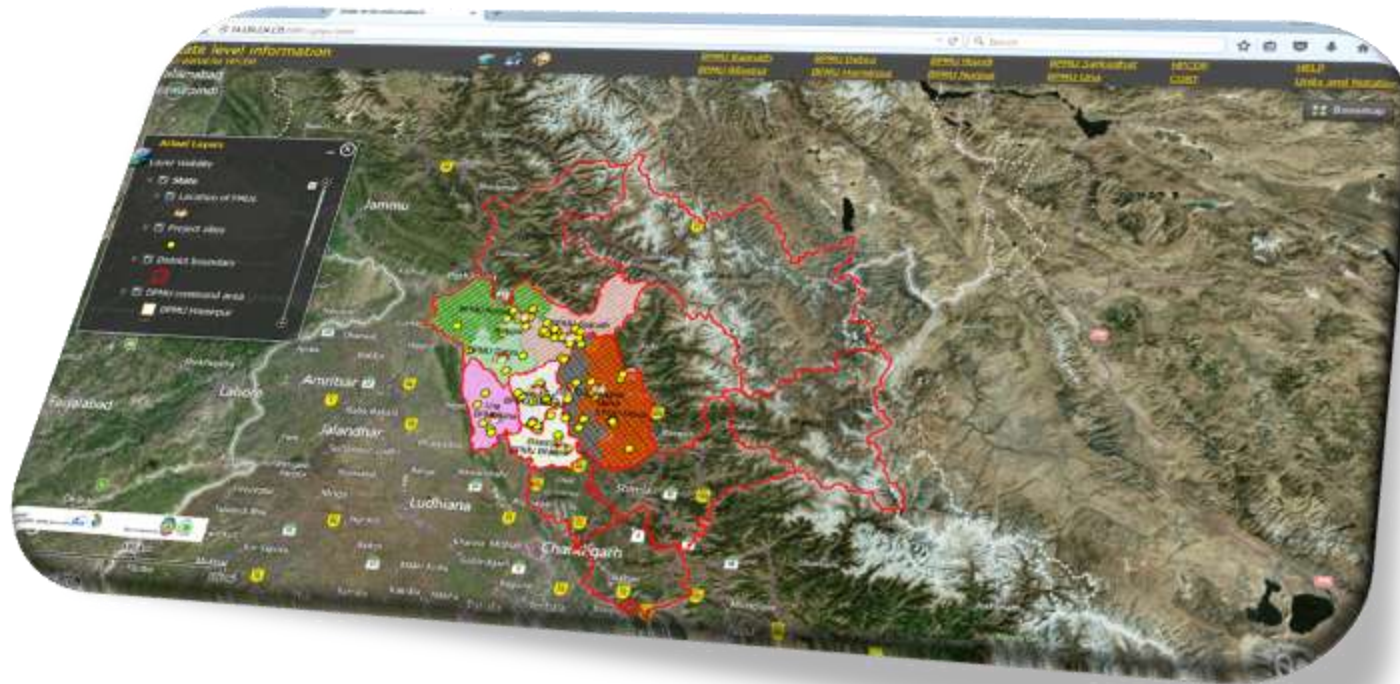


## HELP FILE

### WEB GIS Portal – HP Crop Diversification Promotion Project



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## GLOSSARY OF TERMS

Please go through the GLOSSARY OF TERMS used

Actual_Len	Actual Length
Area_Ha	Area (Hectare)
Area_Serve	Area to be Served
Benefit_co	Benefit Cost Ratio
Benific	No. of Beneficiaries
BPMU	Block Project Management Unit
CCA	Cumulative Command Area
Cost_Ha	Cost per Hectare
Disch_LPS	Discharge in LPS
DPMU	District Project Management Unit
Est_Cost	Estimated cost
Frict_Loss	Frictional Losses
H_Power	Horse Power
Hydra_Lev	Hydraulic Level
J	Junction
Kharif_crp	Kharif crop
KN	Khasra Number
Lean_Disch	Lean Period Discharge
Mach_Cost	Machinery Estimated Cost
OL	Outlets
PH	Pump House
Pipe_PC	Pipe Pressure class
Pro_Length	Proposed Length
Rabi_crp	Rabi crop
RD	Reduced Distance
RL	Reduced Level
RM	Rising Main
Soil_typ	Soil Type
Term_Head	Terminal Head
Water_Req	Water requirement
X_Coord	X-coordinate
Y_Coord	Y-coordinate

<b>GLOSSARY OF UNITS AND NOTATIONS</b> Please go through the GLOSSARY OF UNITS AND NOTATIONS used	<b>Asset</b>	<b>Unit</b>	<b>Denoted as</b>
	CCA	Hectare	Ha.
	Area	Hectare	Ha.
	Water Requirement	LPS	LPS
	Estimated Cost	Rupees	Rs.
	Length	Meters	m
	Breadth	Meters	m
	Elevation	Meters	m
	Height	Meters	m
	Beneficiaries	Number	No.
	Cost per Hectare	Rupees	Rs.
	Discharge	LPS	LPS
	Pipe Diameter	Millimetre	mm
	Diameter	Meters	m
	Capacity	Litres	L
	Area Served	Hectare	Ha.
	Lean Discharge	LPS	L
	Machine Cost	Rupees	Rs.
	Pump Horse power	Horse Power	HP
	Pumps	Number	No.
	Actual Length	Meters	m
Proposed length	Meters	m	

## HOME PAGE

To visit the Home Page of HP CROP DIVERSIFICATION PROMOTION PROJECT go to the link <http://hpcdp.nic.in/index.aspx>

On lower right hand side of the web page click on Web GIS Portal, a new tab will get open.

The screenshot shows the homepage of the HP Crop Diversification Promotion Project. The URL in the browser is [hpcdp.nic.in/index.aspx](http://hpcdp.nic.in/index.aspx). The page has a green header with the project logo and JICA logo. Below the header is a navigation menu with links: Home, About Project, Sub Projects, Budget, Feedback, Right to Information, and Contact Us. The main content area is divided into several sections: 'PUBLICATIONS' with links to Quarterly Newsletter, Manual/Guideline, Recruitment, MTR & E Report, Notifications, Bidding Document, and Other Publication; 'EXTERNAL LINKS' with links to HP Government Link, Ministry of Agriculture, JICA Portal Link, Department of Agriculture HP, and Agriculture University Balamir HP; 'NEWS & ANNOUNCEMENTS' with a notice about bid invitations and recruitment; and a 'WELCOME TO HP CROP DIVERSIFICATION PROMOTION PROJECT' section with a large image of a building and a text block describing the project's goals. A red arrow points to the 'WebGIS Portal' link in the bottom right corner, which is highlighted with a red dashed box.

## LAUNCH GIS PORTAL

On this new tab Click Launch GIS Portal, a login window will get displayed

Home Page: HP Crop Divers... JICA

14.139.224.135/myapp/jlx/jica.html

**Web GIS Portal**  
Himachal Pradesh Crop Diversification Promotion Project

Centre for Geo-Informatics, CSK Himachal Pradesh Agriculture University, Palampur

- Home
- About us
- Objectives
- About GIS-MIS component
- Launch GIS Portal**
- Related Links
- Contact Us

### Background and Necessity

With rapidly increasing middle-class income groups in Delhi and other major cities in India, the middle class is quickly rising, which is expected to result in a rapid increase in demand for high-value produce including high-value vegetables. Located approximately 350 kilometers to the north of Delhi, Himachal Pradesh is a hilly state at the foot of the Western Himalayas, ranging from 350 meters to beyond 7,000 meters in altitude. Nearly 70% of the working population in the state is engaged in agriculture.

Utilizing the cool climate and the geographical advantage of proximity to Delhi and other major cities, farmers will be able to increase their income by producing and selling value-added crops such as off-season vegetables to urban consumers.

Also, only 20% of the cultivable area has irrigation facilities, and the rest has to depend on the rain-fed cultivation. Thus majority of the farmers in the state remain engaged in traditional cultivation of food grains, and only limited number of farmers who have irrigation facilities are able to produce vegetables. Also, only 60 percent of the roads can be used year-round for shipping crops, which means that crops must be delivered on foot when roads are not available. This is not only an extra burden for farmers, but also a severe impediment to farmers in improving their income, since the prices are affected with the damaged products during transportation.

To improve these circumstances, agricultural infrastructure, such as irrigation facilities and access farm roads will be developed, which, along with technical guidance to farmers on vegetable cultivation, are expected to improve farm income when the cultivation of cash

## LOGIN PAGE

Enter the Username and Password and click Login,

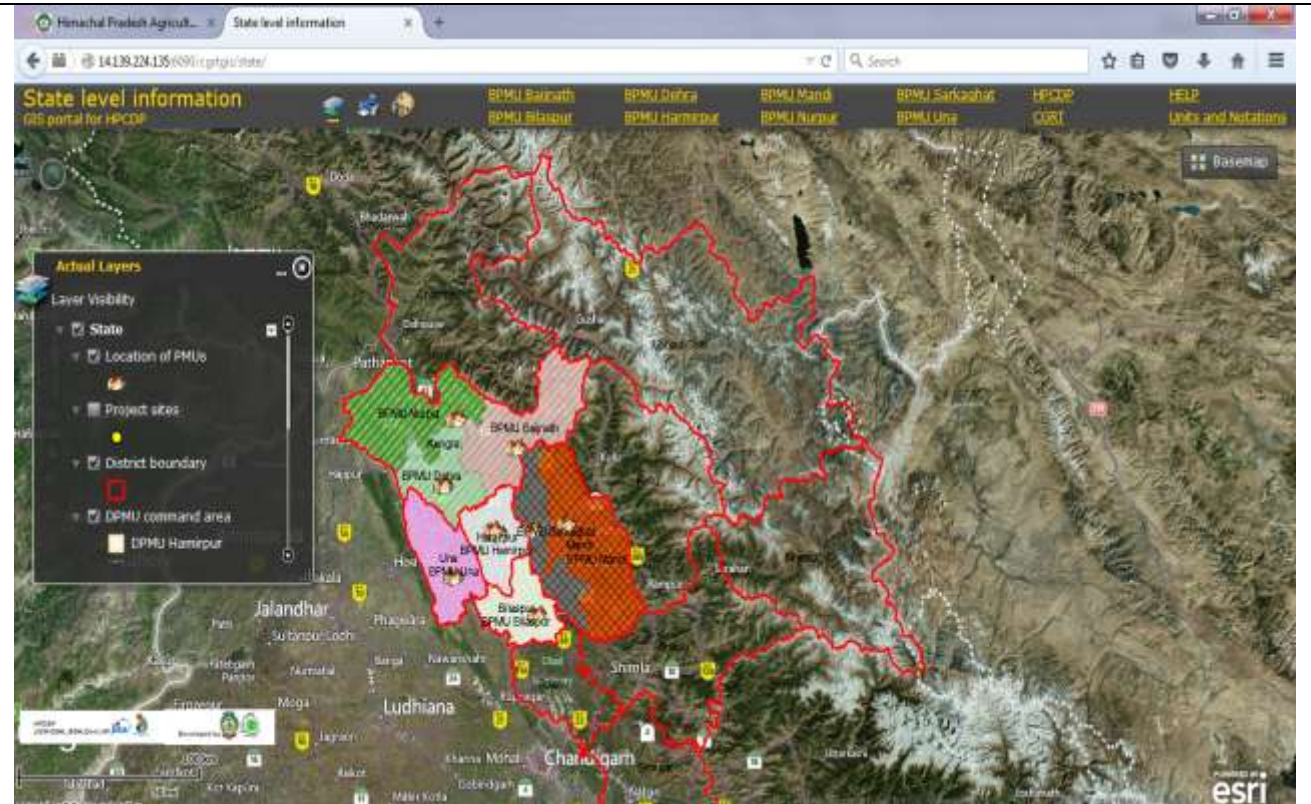
HPCDP WEB GIS Portal will get opened





## HPCDP WEB GIS Portal

The page will open with State Info as default page having District Boundaries of Himachal Pradesh. Other State level single layer (multiple layers) may be opened by marking the check box (boxes) and clicking Update

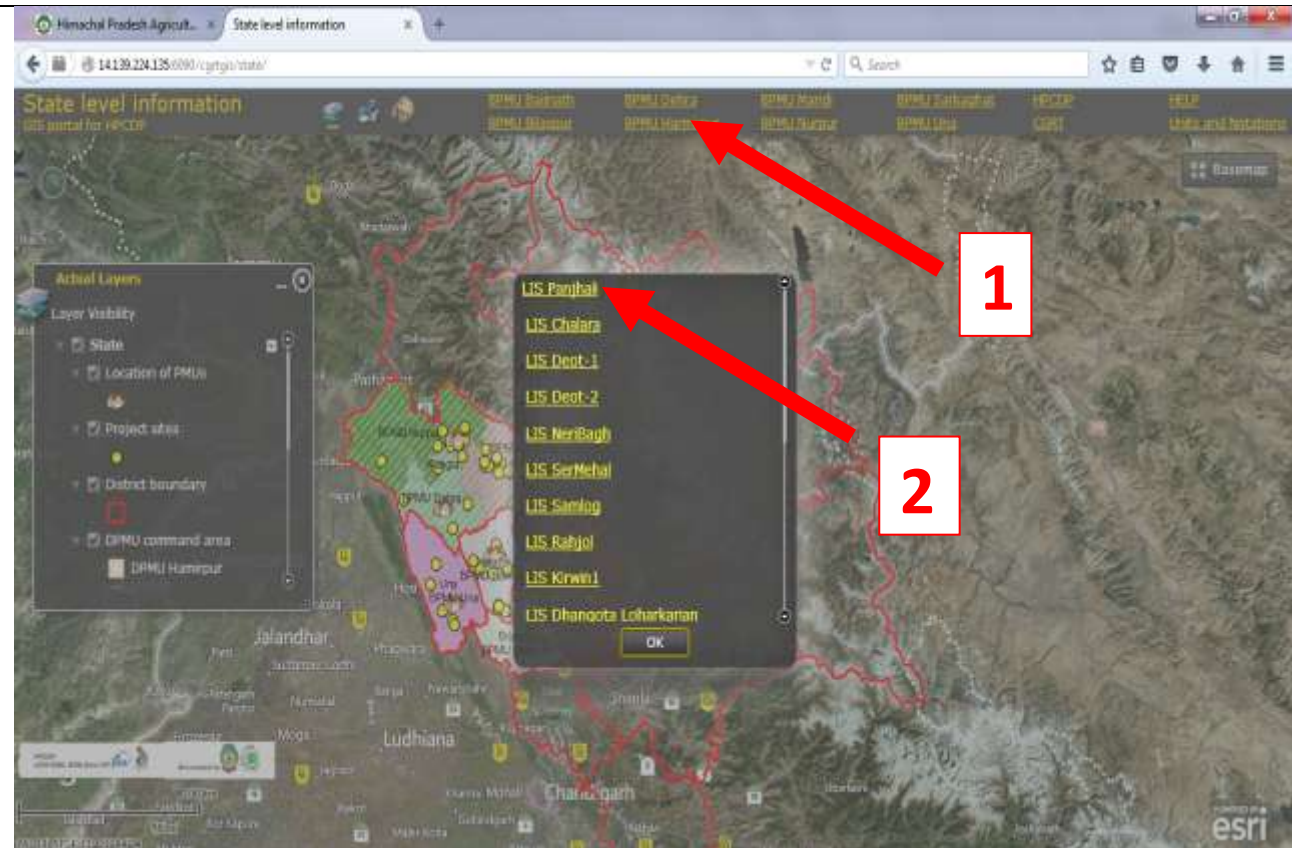




## PROJECT SITE INFO

To go to a particular project site, In the NAVIGATION panes, select respective BPMU and then respective Project Site. The boundary of the Project Site will get displayed with Actual Layers as default.

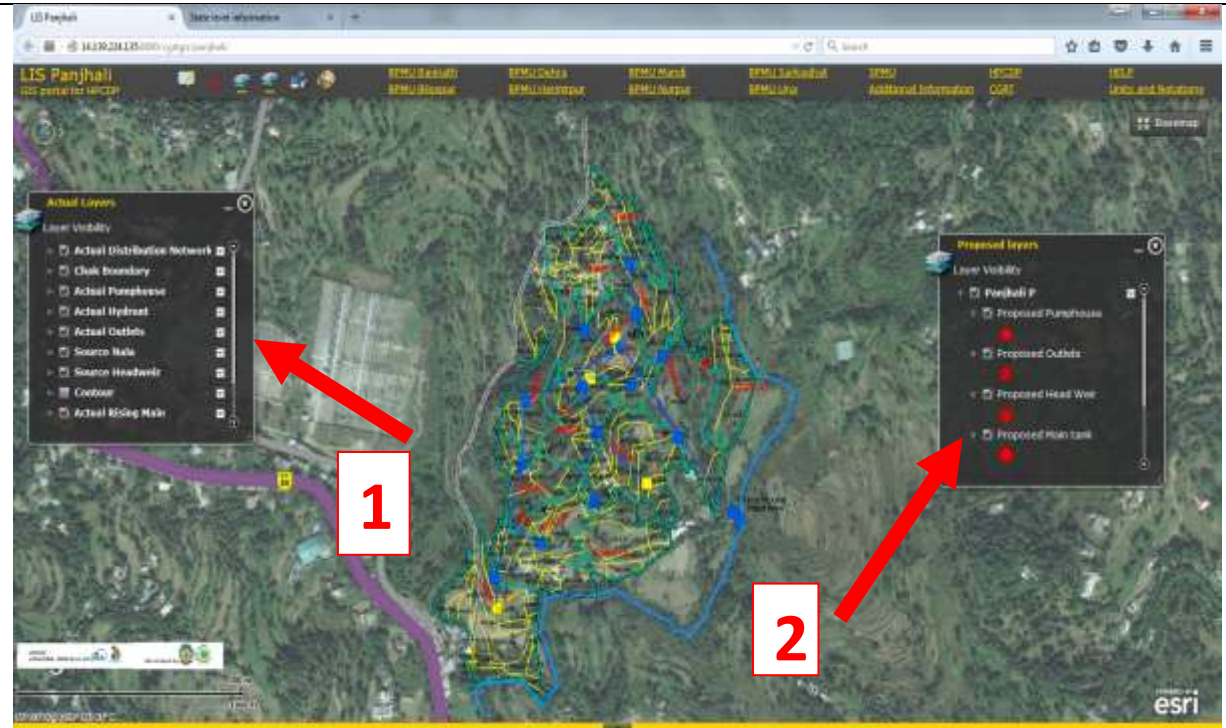
1. Select BPMU from list.
2. Select the Project Site from list.



## PROJECT SITE LEVEL SINGLE LAYER (MULTIPLE LAYERS)

Project Site level single layer (multiple layers) may be opened by marking the check box (boxes).

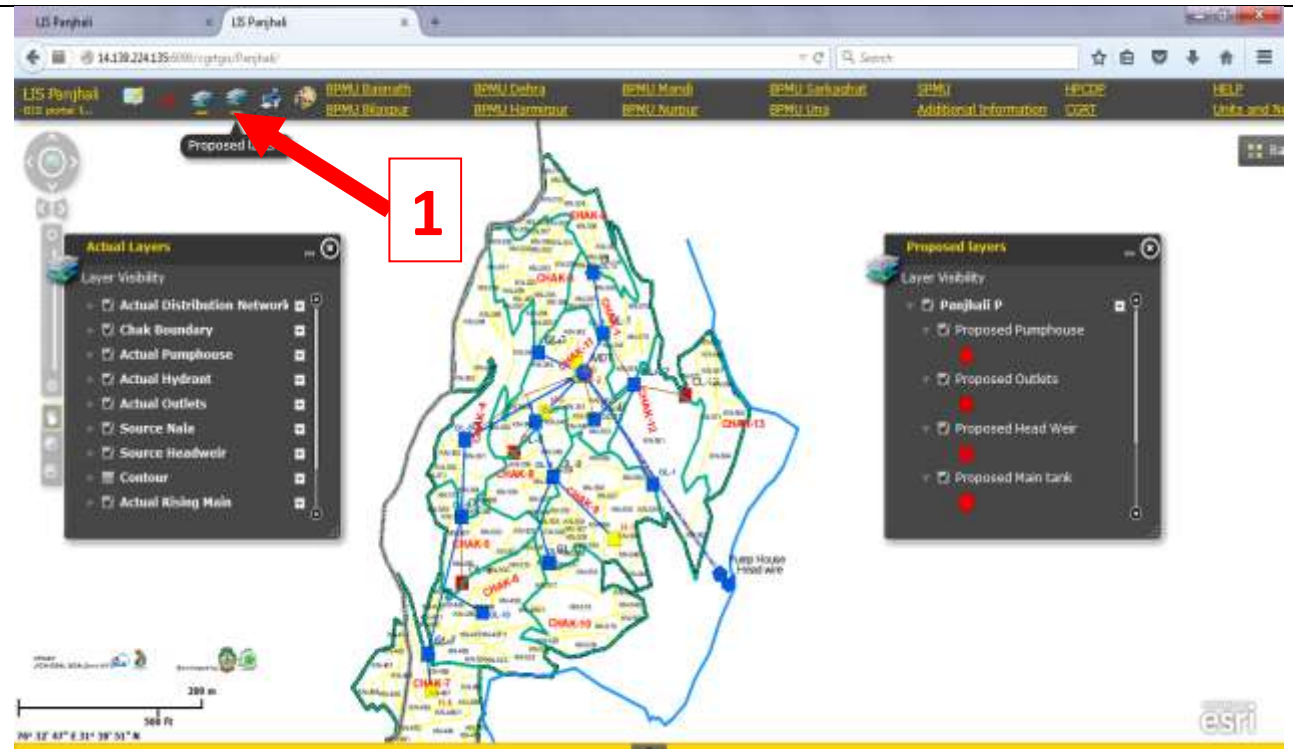
1. Select layers to be viewed.
2. Select CCA Boundary, to hide the satellite imagery base map in background.



## VIEW ACTUAL AND PROPOSED LAYERS

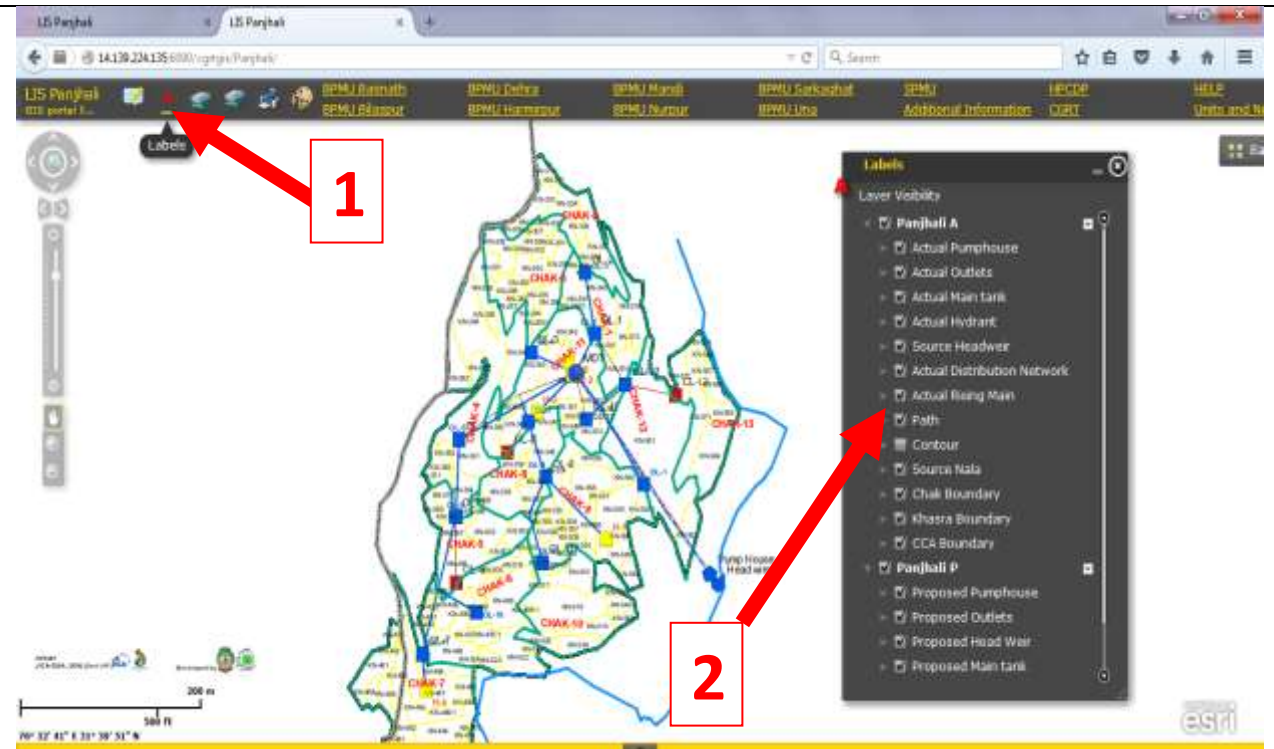
Actual Layers are shown by default , to view Proposed Layers simultaneous :-

1. Click the tool Proposed Layer.



## TURN ON AND OFF THE LABELS

1. Click the tool Labels.
2. Select layers to be viewed.





## QUERY RESULTS

1. All layers active are eligible for identification.
2. Attribute data of the layer is displayed on single click of any layer.
3. Click on the symbol of jpg, to see the jpg of selected layer.

The screenshot displays a web GIS interface for a project in L25 Pongoh. The map shows a network of lines and nodes representing infrastructure. A 'Layer Visibility' panel on the left lists several layers, including 'Actual Pumphouse', 'Actual Hydrant', 'Actual Outlets', 'Source Well', 'Source Headweir', 'Contour', 'Actual Rising Main', 'Actual Male tank', and 'Khasra Boundary'. A red arrow labeled '1' points to this panel. A red arrow labeled '2' points to a specific node on the map. A red arrow labeled '3' points to a 'jpg' icon in a pop-up attribute window. Below the map is a photograph of a building entrance.

## EDIT ATTRIBUTE TABLE

You can add or edit data of actual layers.

1. Select layer, which you want to edit.
2. Type value in table, and press enter key.

The screenshot shows a web GIS interface with a map of a rural area. The 'Actual Layers' panel on the left lists several layers, including 'Actual Outlets'. A red arrow labeled '1' points to this layer. Below the map is an 'Attribute Table' with columns for 'Name', 'Length', 'Breadth(m)', 'Height(m)', and 'Estimated Cost(In Rs.)'. A red arrow labeled '2' points to the 'Actual Outlets' column in the table.

Name	Length	Breadth(m)	Height(m)	Estimated Cost(In Rs.)
OL-8	1.00 m	1.00 m	0.60 m	117045 (All Outlets)
OL-9	1.00 m	1.00 m	0.60 m	117045 (All Outlets)
OL-13	1.00 m	1.00 m	0.60 m	117045 (All Outlets)
OL-11	1.00 m	1.00 m	0.60 m	117045 (All Outlets)
OL-12	1.00 m	1.00 m	0.60 m	117045 (All Outlets)
OL-10	1.00 m	1.00 m	0.60 m	117045 (All Outlets)



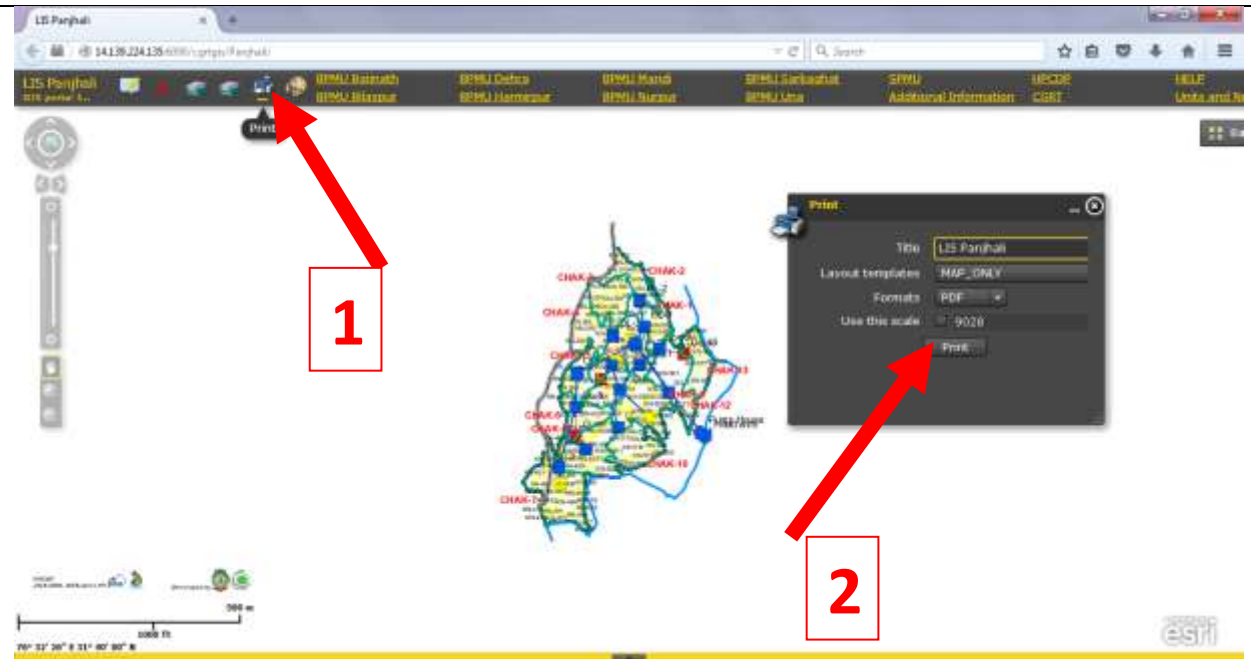
## PRINT TOOLS



Print Tool allows printing or exporting of displayed map in Image file formats.

Select and position the cartographic elements that should appear on the final map layout.

1. Select tool Print.
2. Enter Title of map, Layout Templates, Formats and Scale.



## ADDITIONAL INFORMATION

In addition to the layers, there are following information available

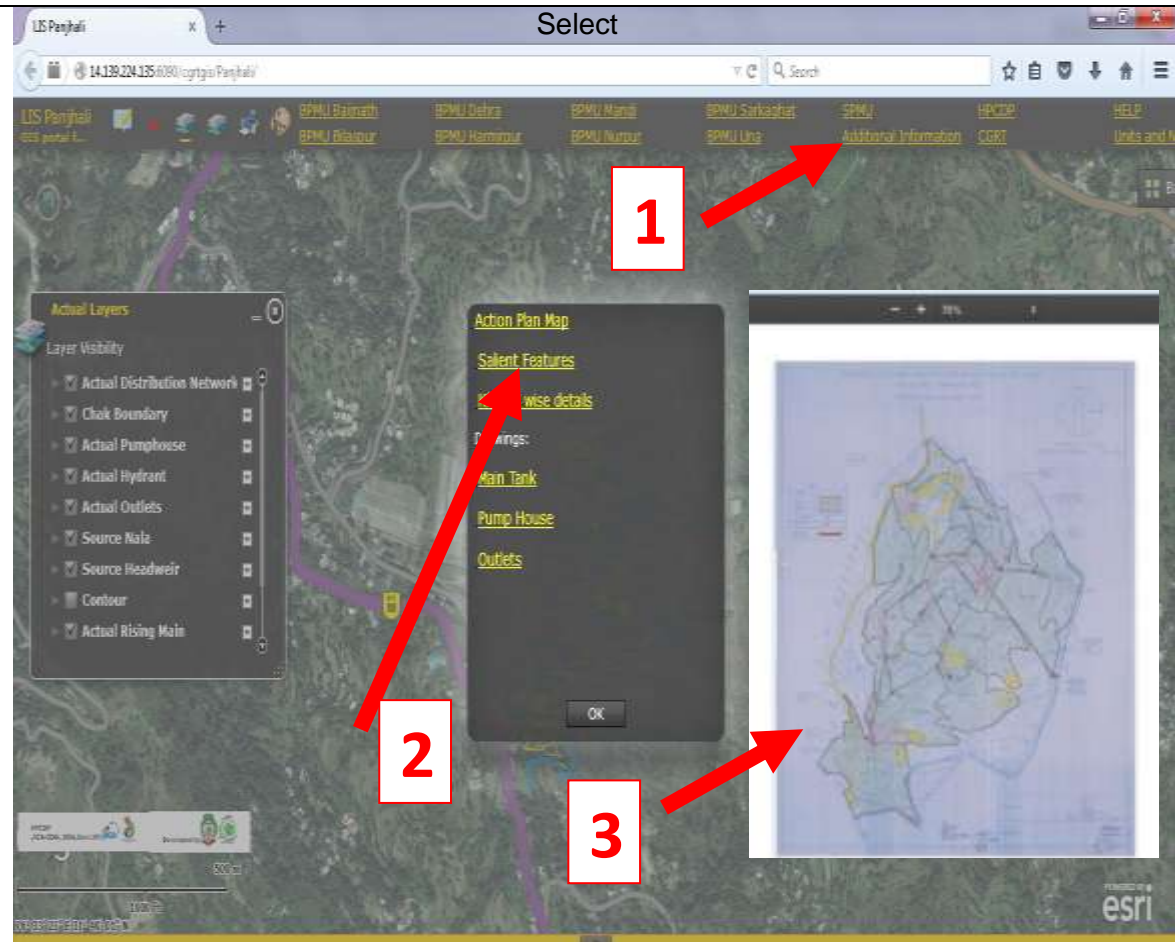
[Action Plan Map](#)

[Salient Features](#)

[Khasra wise details](#)

[Drawings](#)

1. Select tool Additional Information.
2. Select required information from the menu.
3. Pdf of selected information is opened.



## HPCDP CONTACT INFORMATION

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