



Integrated Query Based System (i-Qbs)

User Manual

Environment Master Plan

Baseline Reports

Sectoral Guidelines

VA Reports

Lib. Consultations & Comm. Strategy

Institutional Mechanism

Training & Capacity Building

i-Qbs

Environment Master Plan

Baseline Reports

Infrastructure

Natural Resources

Services Sector

Environment Master Plan

Sectoral Guidelines

Infrastructure	Natural Resources	Services
Road & Transport	Horticulture	Education & VT
Hydropower & RECS	Agriculture	IT & Telecom
Tourism & Culture	Animal Husbandry	Livelihoods
Industry	Forests & Wildlife	
Mining & Geology	Wetlands	
IPH	Fisheries	
Health & BMW		
Market Infrastructure		
Rural Planning		
Urban Planning		
MSWM		
HWM		

Environment Master Plan

Vulnerability Assessment Reports

Bilaspur

Chamba

Hamirpur

Kangra

Kinnaur

Kullu

Lahaul & Spiti

Mandi

Shimla

Sirmour

Solan

Una

Submitted to:
Department of Environment,
Science & Technology
Government of Himachal Pradesh

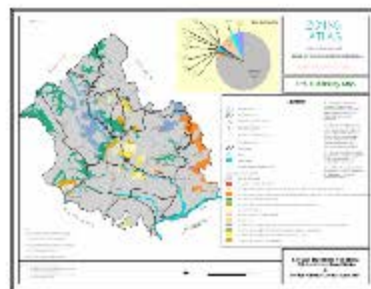
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1.0 Introduction

Himachal Pradesh State has taken an initiative for the preparation of Environment Master Plan (EMP) for the state, which is exemplary and for the first time in India. The States have prepared State of the Environment reports mainly based on secondary data which reflects status and present scenario of the natural resources and environment. After Union Government, the states have also prepared their environment related policies which are in the place, but without legal support it's ineffective as far as implementation is concerned. The Environment Master Plan is an overall implementation plan as compared to Management Plan.



The key objectives of the EMP include; 1) Simultaneously address issues of ecological and environment restoration and bring convergence along with the development activities taking place in the state; 2) Engage and ensure close coordination with all the concerned development departments, both at the state and GOI level and 3) Decide future financing of investments for development in a sustainable manner

The EMP is a guiding tool to provide strategic direction with respect to all encompassing environmental issues for the next thirty years. It is intended to be a unique means for engagement between implementing agencies, development departments and the local government to take action on environment issues of local concern developed with community interests. EMP is intended to integrate feedback from communities and interested stakeholders and a tool to monitor environment performance and progress.

Himachal Pradesh – Environment Master Plan with Integrated Query based System (HP-EMP n iQbS): HP-EMP is an MS-Excel based soft version of the entire Environment Master Plan (EMP) of Himachal Pradesh.

This system has been made in MS-Excel for the very simple reason of avoiding licensing and patenting issues.

This System has various modules where in one can access the various components of the EMP task-wise.

1.1 Systems Requirement

Hardware Requirement:

HP-EMP n iQbS software can be installed on a personal computer, preferably Pentium IV or above with at least 4 GB of RAM and about 500 MB of hard disk space.

Software Requirement:

The system should have at least Microsoft Office 2000 with Microsoft Excel 2000 installed on a 32-bit Microsoft Windows operating system. The screen resolution should be fixed above 1024 by 768 pixels.

1.2 Installation Procedure

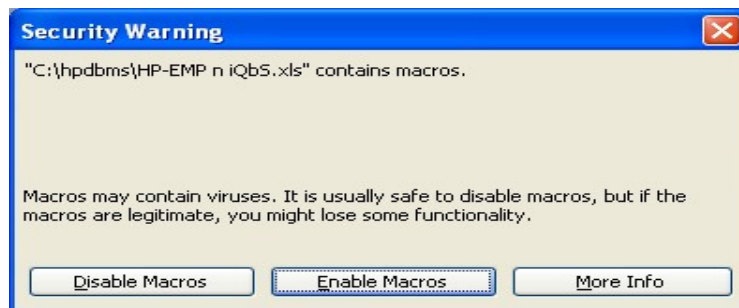
The following instructions should be followed while copying the software into the system from CD.

1. Insert the CD into CD drive of the personal computer
2. If "My Computer" icon is available on the desktop, then click on it

3. Alternatively click on the start button located on the left hand bottom corner of the desktop and go to Windows Explorer
4. Click on CD option to browse the content of the CD
5. Double click on the file name Setup to install the software
6. Check the folder (C:\HP-EMP) whether the file is copied
7. Modify the properties of the modules from 'Read only' to 'Archive'.
8. And set the security level of MS-Excel to Medium.
9. Double click on 'HP-EMP n iQbS.xls' file to launch the application

1.5 Software Operation

Follow Instruction No. 9 given in the installation procedure to start the software. The following window comes on the screen.



Click on 'Enable Macros' to load the file and the following screen would show up on the screen.

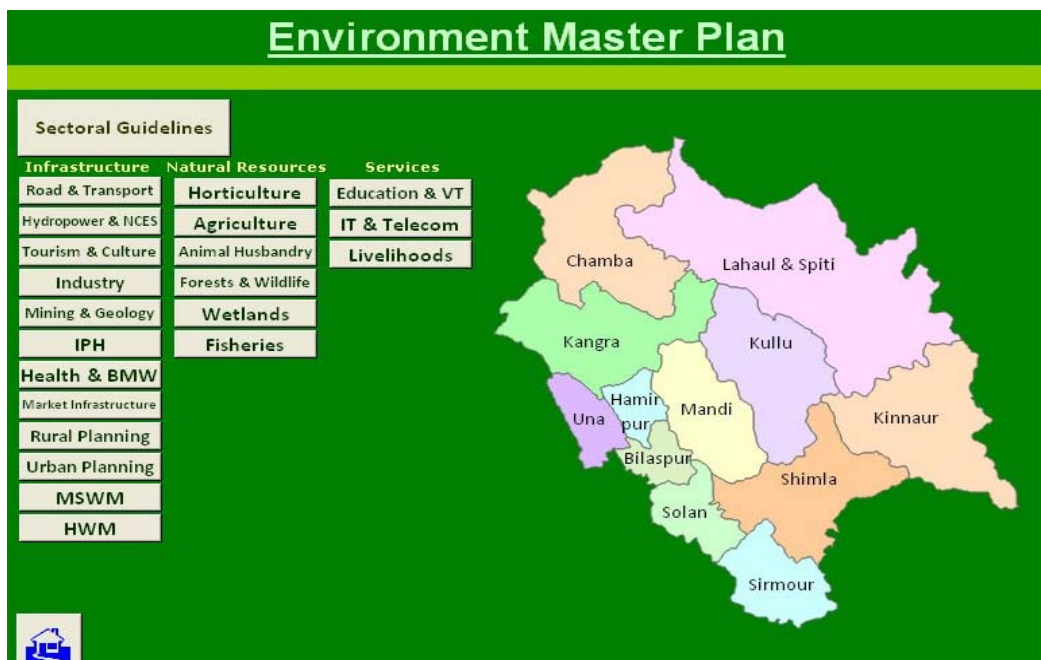


This window has the following features.

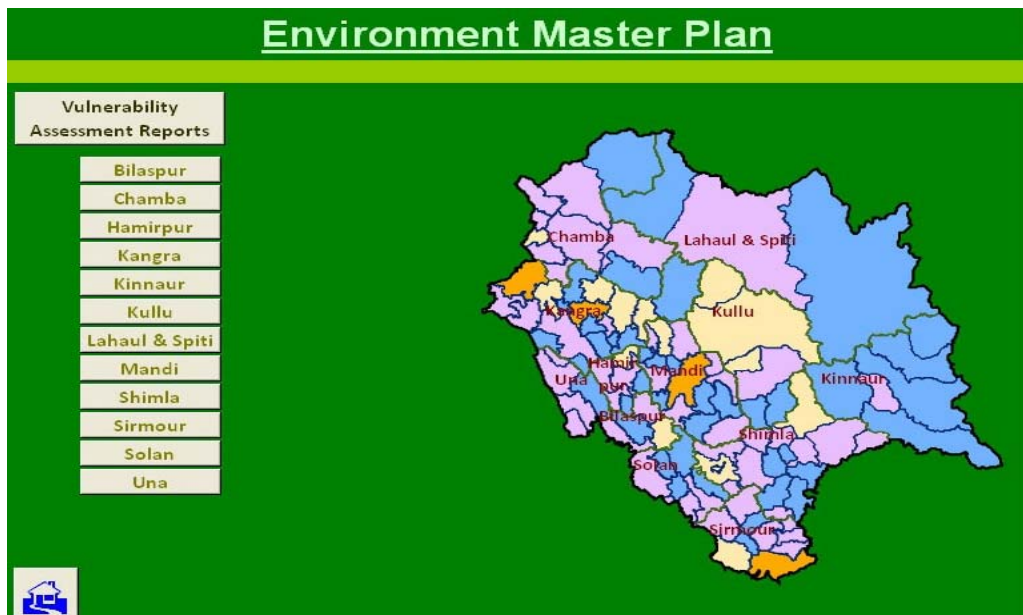
1. The tool bar on the top with features like File, Edit, Insert, Records, Windows, Help with clickable menu.
2. The Module has 7 Buttons, each of them is a clickable.
3. If you click on the 1st button for Baseline reports you would reach the following screen



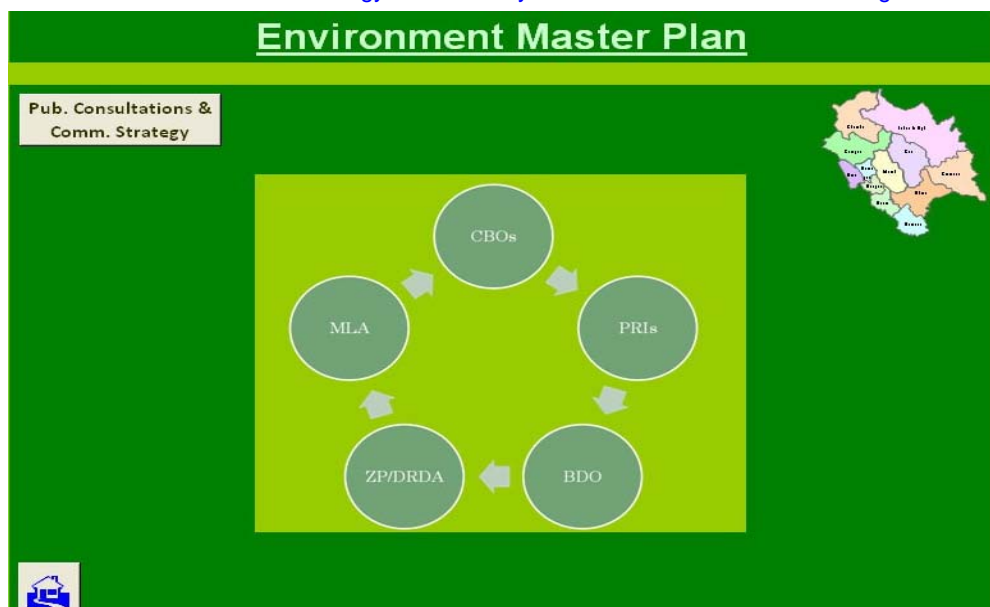
4. From where you can get the various Baseline reports.
5. Now to go back to the previous menu you can click the 'Home' button on the left bottom of your screen.
6. To access the Sectoral Guidelines click on the 'Sectoral Guidelines' button and you would be taken to the following screen



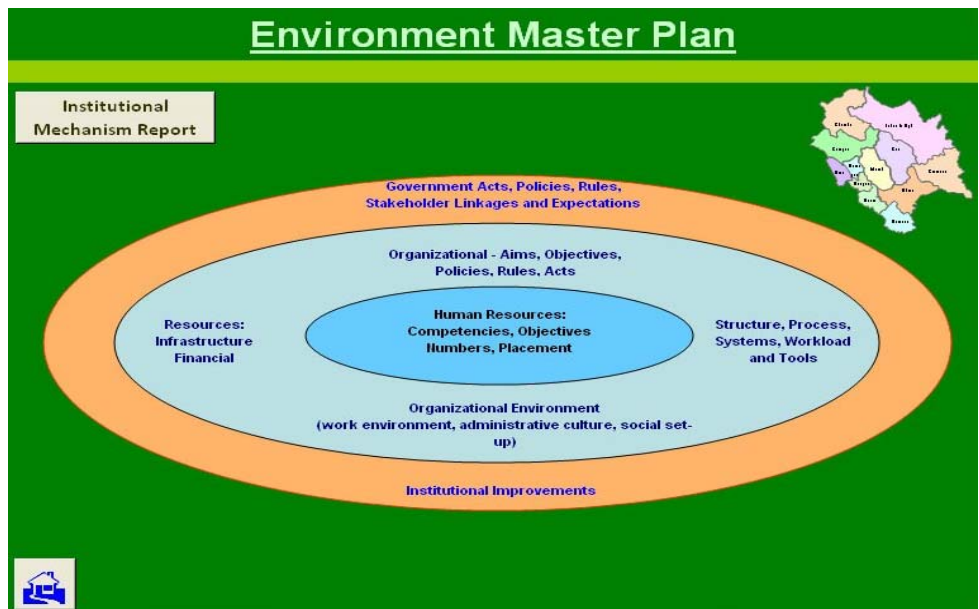
7. Here you can access the various Guidelines for the sub-sectors by clicking on the requisite button
8. Now to go back to the previous menu you can click the 'Home' button on the left bottom of your screen.
9. To access the Vulnerability Assessment Reports click on the 'VA Reports' button and you would be taken to the following screen



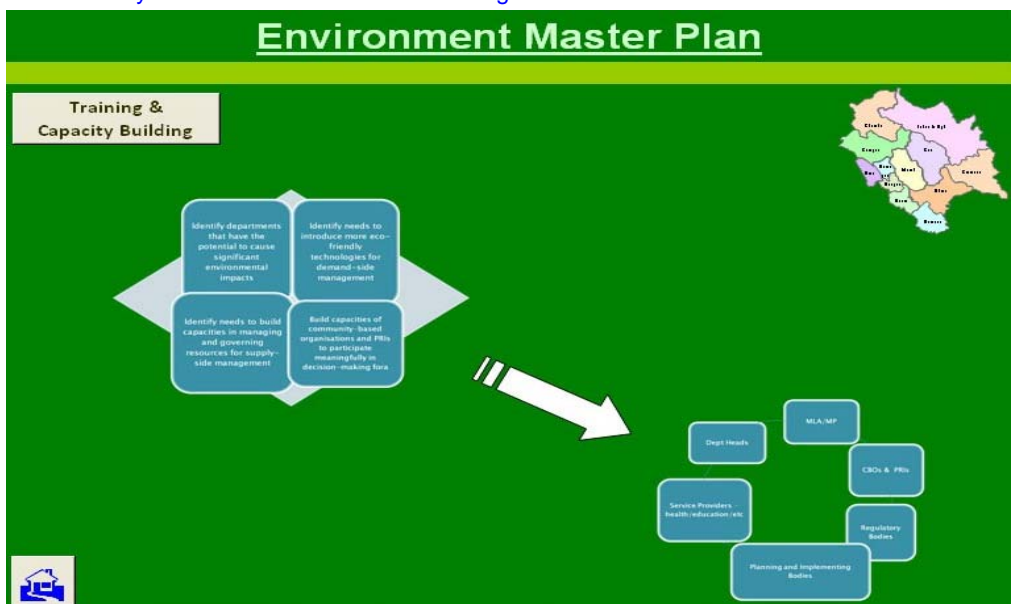
10. Here you can access the District-wise Vulnerability Assessment Report by clicking on the requisite button
11. Now to go back to the previous menu you can click the 'Home' button on the left bottom of your screen.
12. To access the Public Consultation and Communications Strategy Reports click on the 'Pub. Consultations & Comm. Strategy' button and you would be taken to the following screen



13. Here you can access the Public Consultation and Communications Strategy Report by clicking on the 'Pub. Consultations & Comm. Strategy' button
14. Now to go back to the previous menu you can click the 'Home' button on the left bottom of your screen.
15. To access the Institutional Mechanism Reports click on the 'Institutional Mechanism' button and you would be taken to the following screen



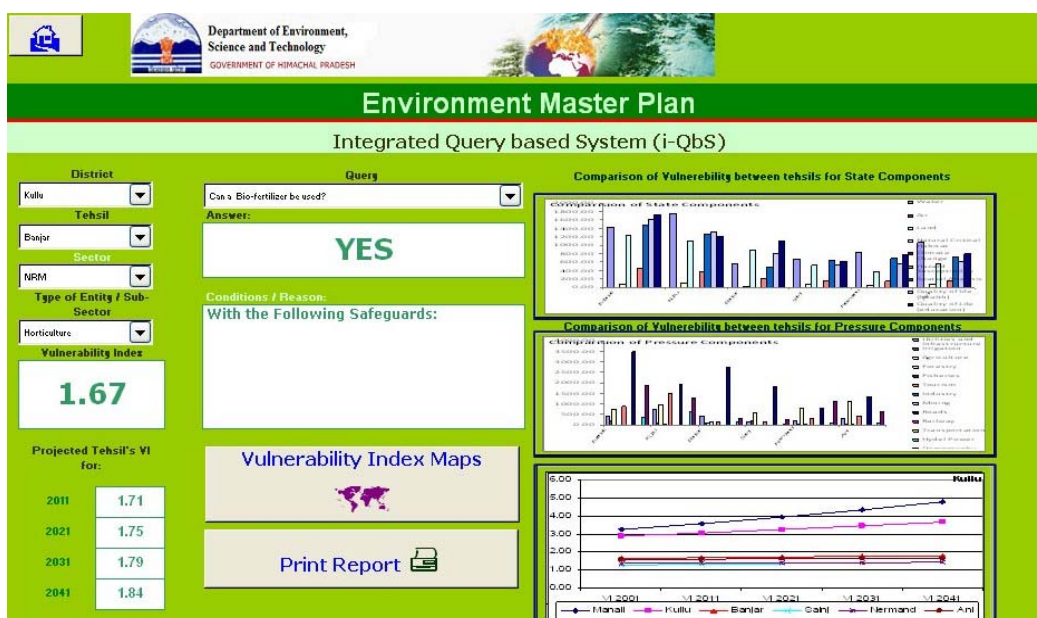
16. Here you can access the Institutional Mechanism Report by clicking on the 'Institutional Mechanism' button
17. Now to go back to the previous menu you can click the 'Home' button on the left bottom of your screen.
18. To access the Training & Capacity Building Reports click on the 'Training & Capacity Building' button and you would be taken to the following screen



19. Here you can access the Training & Capacity Building Report by clicking on the 'Training & Capacity Building' button
20. Now to go back to the previous menu you can click the 'Home' button on the left bottom of your screen.
21. To access the Integrated Query based System click on the 'i-QbS' button and you would be taken to the following screen



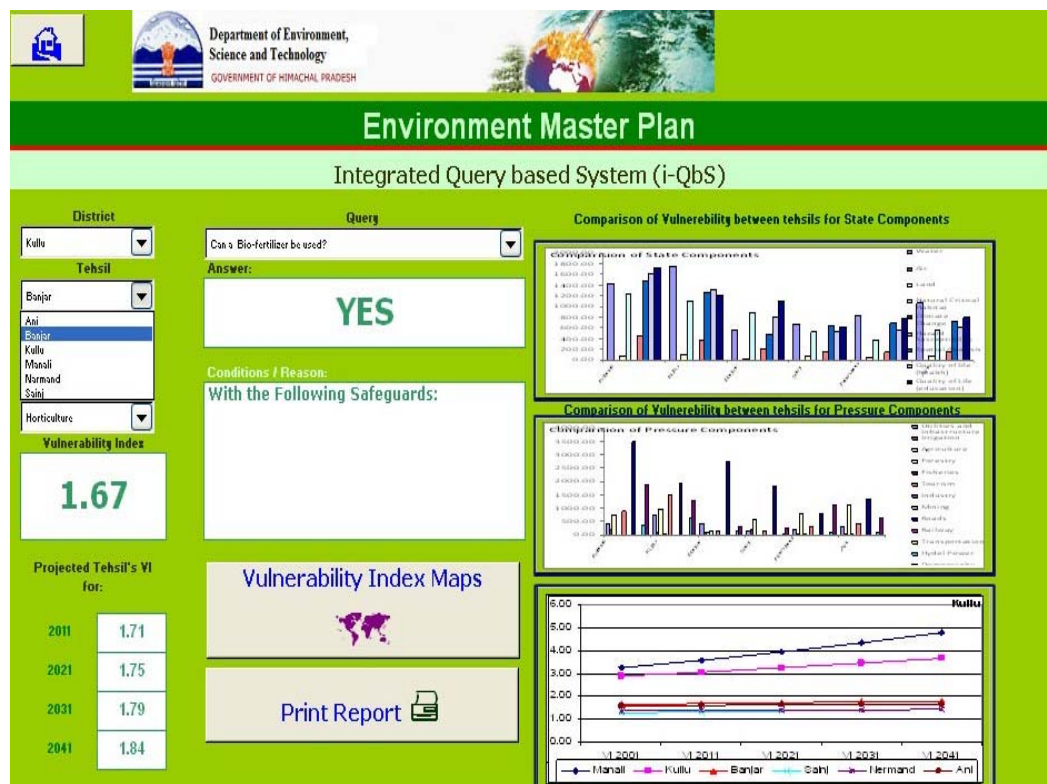
22. Here you can access the Integrated Query based System module by clicking on the 'Integrated Query Based System (i-QbS)' button and you would be taken to the following screen.



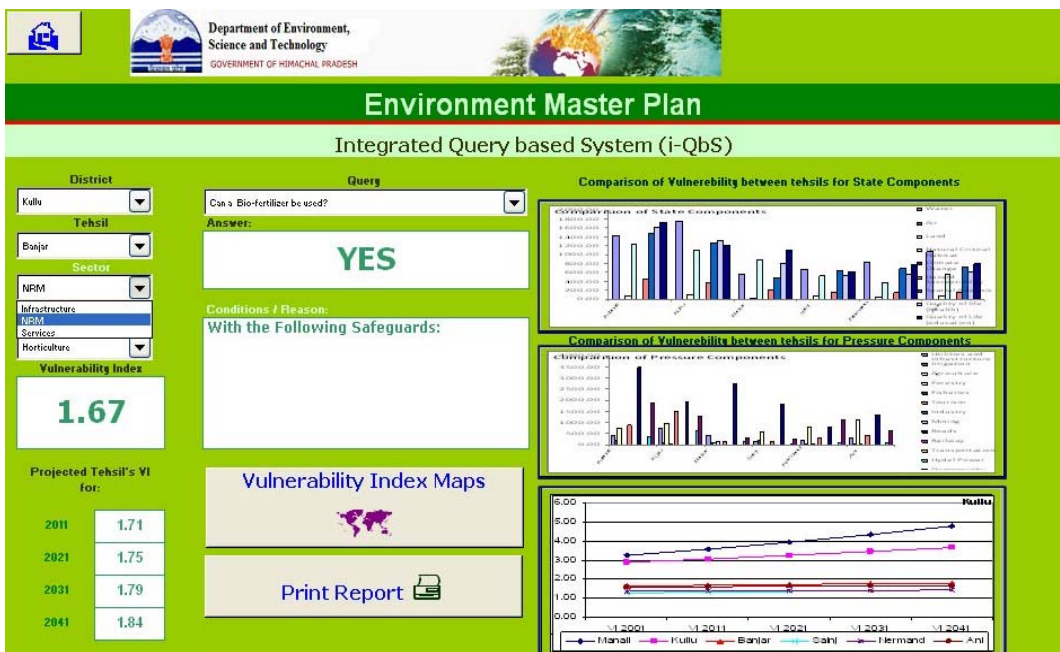
23. Here you can select your required district by clicking on the pull-down menu of the District on your left hand side top as shown below.



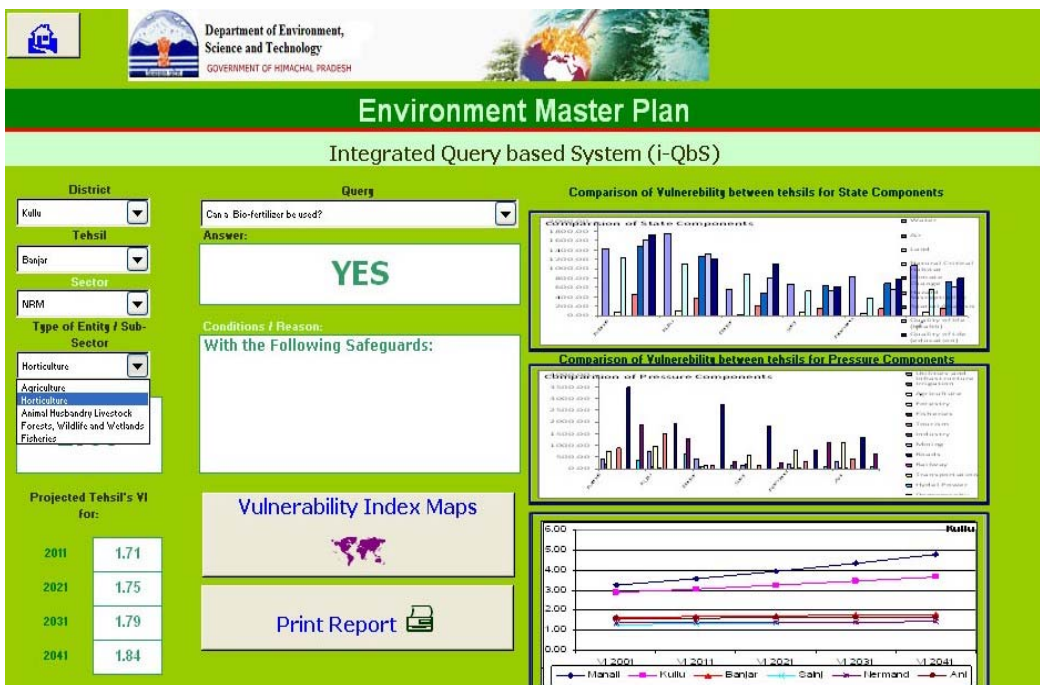
24. Next you can select your required tehsil by clicking on the pull-down menu of the Tehsil on your left hand side top as shown below.



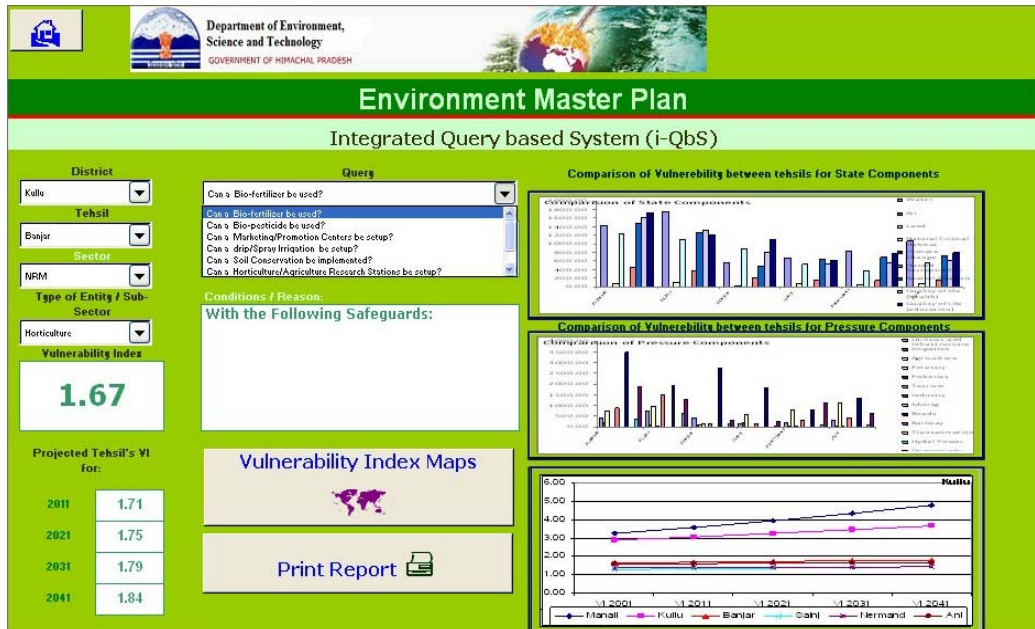
25. Next you can select your required Sector by clicking on the pull-down menu of the Sector on your left hand side frame as shown below.



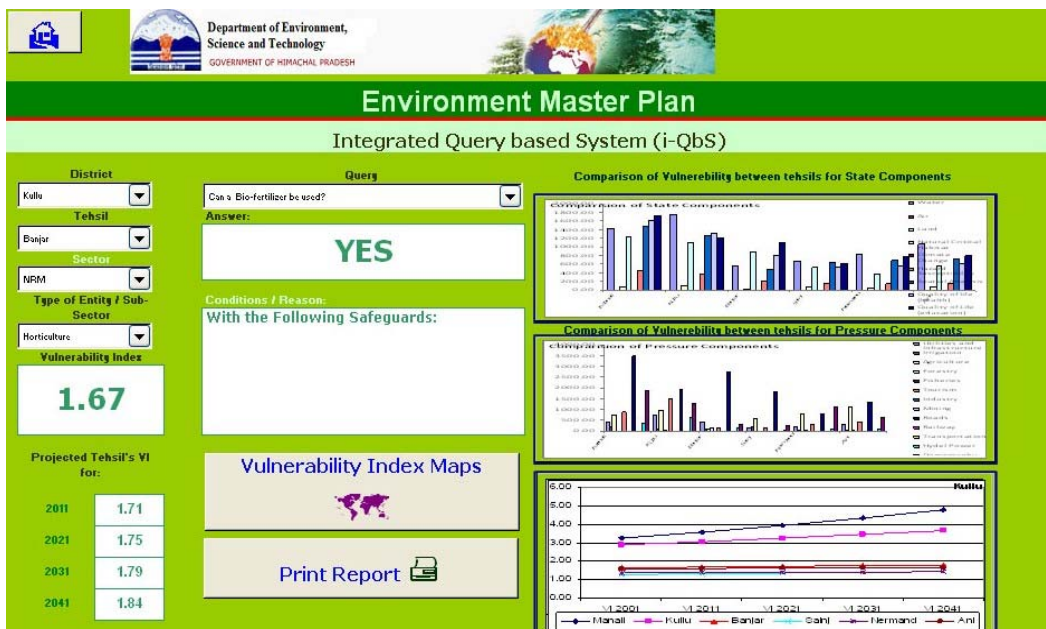
26. Next you can select your required Sub-Sector by clicking on the pull-down menu of the Sub-Sector on your left hand side frame as shown below.



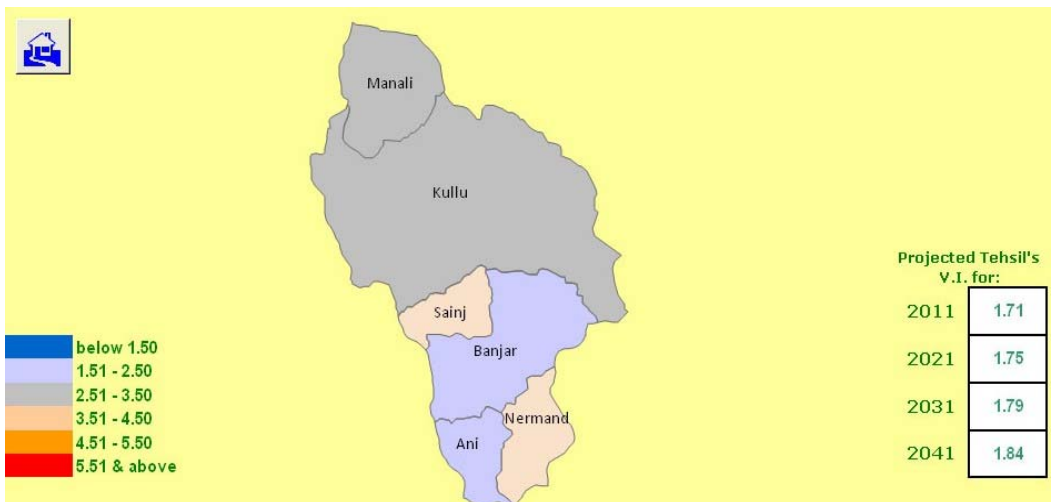
27. Next you can select your required Query by clicking on the pull-down menu of the Query as shown below.



28. Once you done all your selection it would show you on the dashboard a) the answer to your query with the reason / safeguard for the answer. b) On the right-side of the screen the comparative bar-chart comparing the various State parameters tehsil-wise. c) Below it the comparative bar-chart comparing the various Pressure parameters tehsil-wise. d) And at the right hand side bottom projected Vulnerability Index for the selected Tehsil for the next 40 years with the projected VI values being shown on the left hand side bottom of the screen, as shown below.

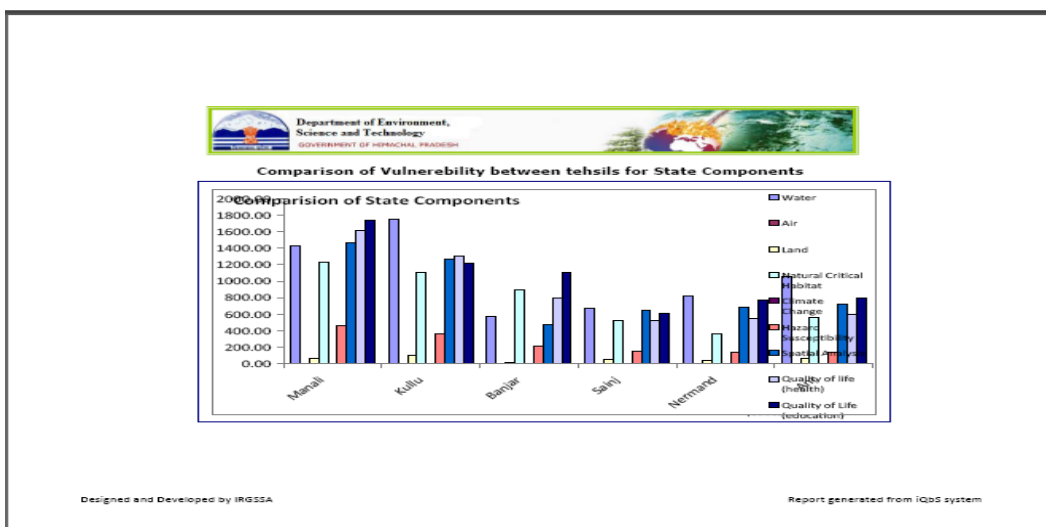
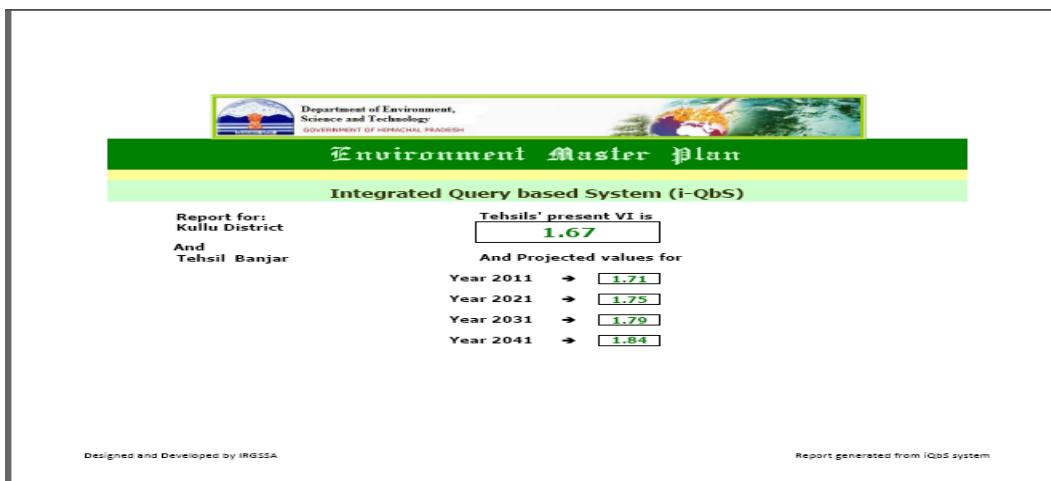


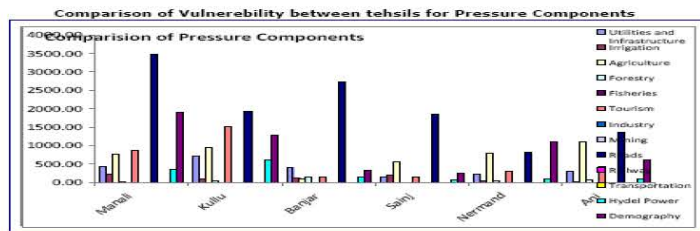
29. Next you can click on 'Vulnerability Index Maps' to view the Vulnerability Index maps as shown below.



The maps as viewed above are dynamic maps and change their colours as per the change in the value of the VI of the tehsils.

30. Now to go back to the previous menu you can click the 'Home' button on the left top of your screen.
31. Next you can click on 'Print Report' to print the Vulnerability Index report as shown below.





Designed and Developed by IRGSSA

Report generated from IQoS system

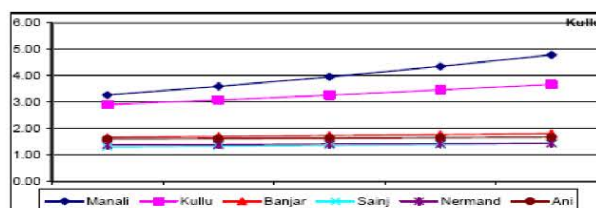
Vulnerability Index Map



Designed and Developed by IRGSSA

Report generated from IQoS system

Tehsil's VI Projected for next 40 years



Designed and Developed by IRGSSA

Report generated from IQoS system

32. Now to go back to the previous menu you can click the 'Home' button on the left top of your screen.



33. Here you can click on the district names as seen in the above screen to go to the editing module as shown below to edit the values of the pressure and state parameters for each tehsil district-wise.

COMPOENTS AND VARIABLES FOR COMPUTING VULNERABILITY INDEX								
THEME-PRESSURE								
Pressure Index								
S.No.	Variable	Tehsil Name						
		Manali	Kullu	Banjar	Sainj	Hermand	Ani	
1	Gaps	1802	6103	2243	859	1821	1918	
2		1118	4077	1291	559	1225	1291	
3		6	21	8	3	4	6	
4		0	3.17	0	14.29	50	18.75	
5	Utilities & Infrastructure	5	3.17	9.68	0	15.38	0	
6		0	0	0	0	0	0	
7		10	0	6.45	0	3.85	0	
8		20.9	5.16	0.03	0.82	5.47	0.68	
9	Irrigation							
10		82.76	79.19	59.46	74.38	76.13	82.04	
11								
12		4.87	45.4	13.54	6.82	16.1	13.25	
13	Agriculture	75.9	76.4	65.4	70.1	75.2	85.4	
14		2.9	42.1	18.96	2.1	14.9	15.34	
15		80.4	78.1	53.5	76.4	77.5	79.8	
16		9.7	7.4	8.2	5.3	8.15	6.02	

34. After editing the values to go back to the previous menu you can click the 'Home' button on the left top of your screen to go back to previous menu.



35. Here you can click on the sub-sector names as seen in the above screen to go to the editing module as shown below to edit / define your own queries and their sensitivity.

Sno	Query	Sensitivity (L / M / H)	
0			L = Low Sensitivity
1	Can a Medical/Ayurvedic college be setup?	H	M = Medium Sensitivity
2	Can a Biomedical Treatment facility be setup?	H	H = High Sensitivity
3	Can a Hospitals be setup?	M	
4	Can a Dispensaries be setup?	L	
5	Can a Education/ Awareness programme be started?	L	
6	Can a Primary Health Center be setup?	L	
7			
8			
9			
10			

36. Now to go back to the previous menu you can click the 'Home' button on the right top of your screen.
37. Now to go back to the previous menu you can click the 'Home' button on the left bottom of your screen to reach the Home Screen.