GIRG
Global Indices for Reforms & Growth

GLOBAL INDICES FOR REFORMS & GROWTH

User Manual for VISUALISATION

Version 1.0

Revision History

Revision No.	Revision Date	Author	Approved Date	Approved By	Description

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1 Introduction

The Government of India had decided that to measure and monitor India's performance on various social, economic and other parameters through internationally recognized Global Indices.

The goal of this exercise are to use these Indices as tools for self-improvements and bring about reforms in the policies and processes of Government agencies and bring about reforms in the policies and processes of Government agencies and financial institutions while creating a conducive ecosystem for foreign and domestic investment flow.

Goals:

- Driving reforms at the National and State level by ranking of States
- Promoting cooperative and competitive federalism
- Enhancing citizen service delivery, ease of living and ease of doing business

About the dashboard:

The dashboard is created to support the Government's decision to leverage the monitoring mechanism of select global indices to drive reforms and growth. The dashboard allows for monitoring of the parameters as per official data as well as the data source used by the publishing agency. The dashboard also allows for monitoring of performance of states and it also inculcates healthy competition among States/UTs through their scoring and ranking on these Indices and Reform Actions.

This manual illustrates the functionality for Visualisation Module, how indices are represented, various view of scores and ranks, India score globally, Reform actions' performance at ministry level and State level. Care is taken to explain each function minutely.

1.1 Purpose

The purpose of this user manual is to provide an insight on the operations of Visualisation Module. This manual serves the requirement of all users like Nodal Administrator, State/Line Administrators and Data Entry Users at all levels on how to view the data in various views and download the statistical reports in PDF, Excel and Image formats.

As you complete reading this document, you will be able to:

- Access Visualisation landing screen
- View Global Indices, View understand the navigation and download report
- View India Indices, its view, navigation and download report
- Reforms: View Reform Areas and Actions, at Ministry and State levels, and its performance

1.2 Organization Structure

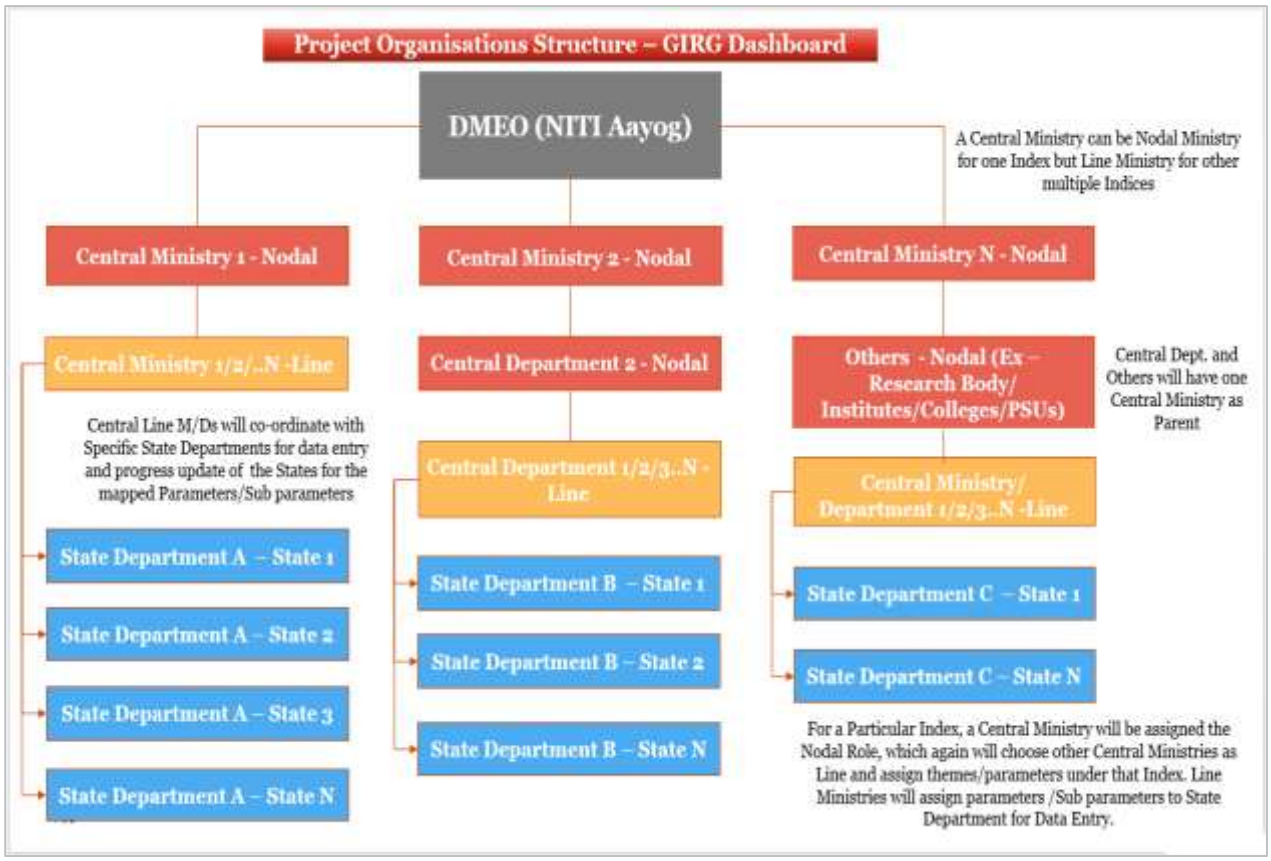


Figure 1-1

1.3 Users & Roles

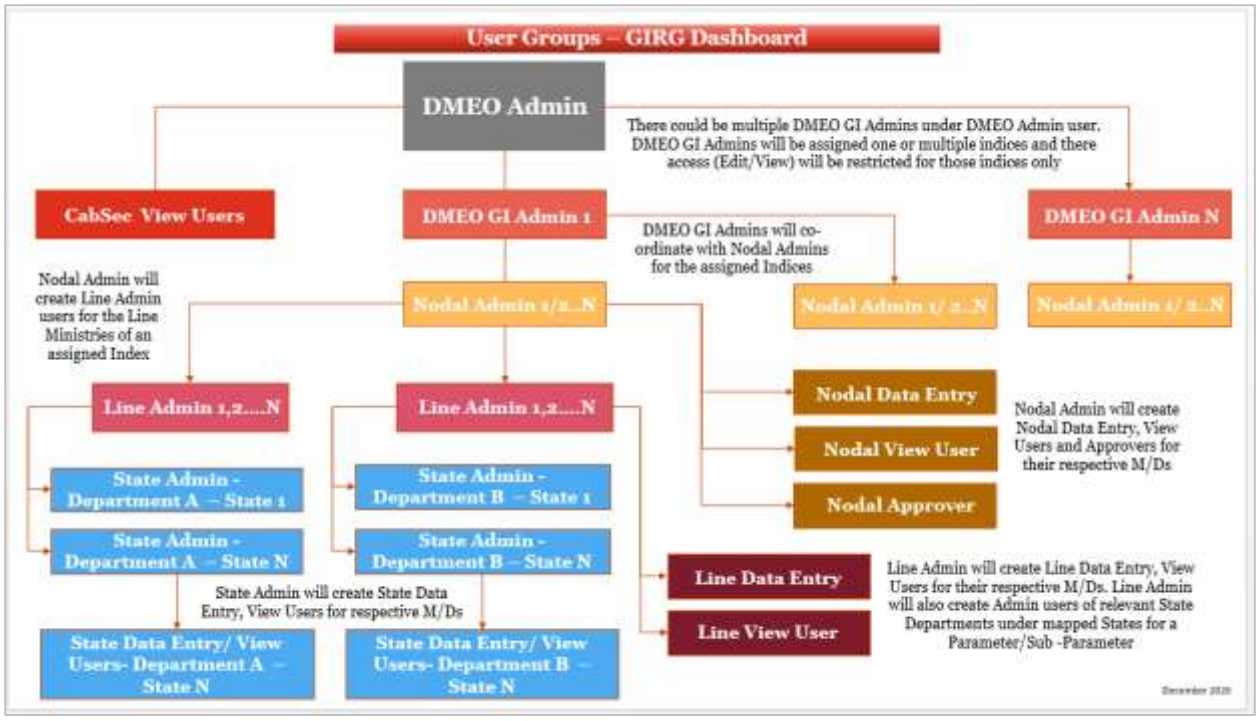


Figure 1-2

1.4 Key Modules of GI Dashboard

Following are the key modules of GI Dashboard;

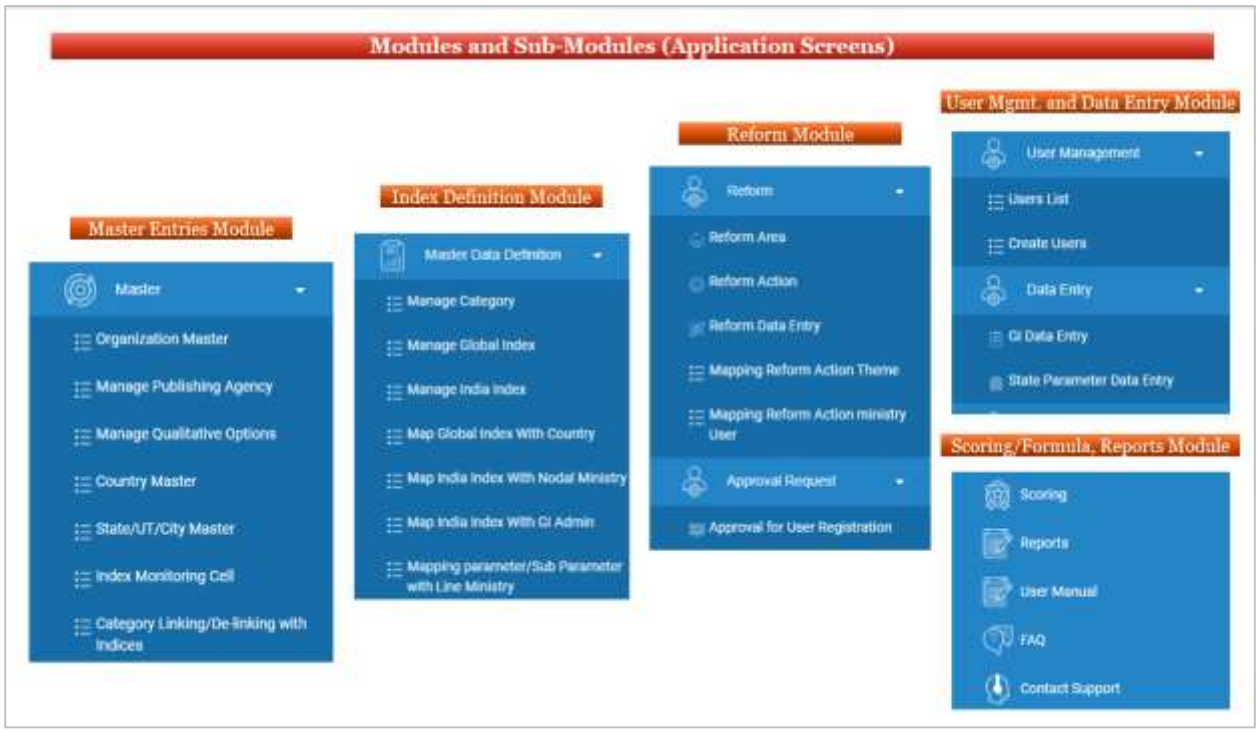


Figure 1-3

2 Visualisation Module

Visualisation details:

- Visualisation Landing Page Global Ranking of All Indices
- You can majorly view the Global, India Indices and Reforms broadly
- Scores/Ranks of India Index at Ministry level and at Global level
- View Geography wise or tabular
- Drill down the link to reach to the lowest parameter and its associated scores/Ranks
- Select specific Ministry, State or Index , them or parameter to view details
- **Reforms**:
  - View reforms defined at Ministry level, see their performance at parameter level,
  - View Reform areas/actions at various levels at associated nodes
  - View Reform action status in detail

2.1 Visualisation Landing Screen

Login with Global Admin Credentials:

Figure 2-1

Select Dashboard from left menu and then select GI Dashboard on top right corner of the screen as shown below to reach to **Visualisation Landing Page** ;

Visualisation Landing Page displays Global Ranking of All Indices;

Figure 2-2

1 -Home Button to reach to this landing page

2 -Global Indices, mouse hover to view Index name

3 -Filters for category, Indices, World/India, States/Cities

4 -Reforms

5 -Categories where indices are depicted in pie chart

6 -Legends for Indices (color coded)

7 -Mouse Hover to view India Rank in comparison to other countries

8 -Download data in PDF, Excel or Image

9 -Year Selection

10 -Geography OR Department/Ministry Selection

11 -View (Graph / Tabular)

- Visualisation Landing Page displays Global Ranking of All Indices
- Based on Assigned role, Indices will be displayed under Visualisation
- **Role based access control** is given under Visualisation. Based on role, user can view only those Indices that are mapped to the user.
- Landing page of the visualisation displays all indices on top

Figure 2-3

- First page shows global ranking of India with other countries under specific category

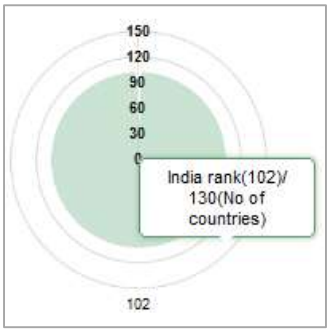


Figure 2-4

- Pie chart, different categories shown in the first page four main categories (**Development**, **Industry**, **Governance**, and **Economy**)

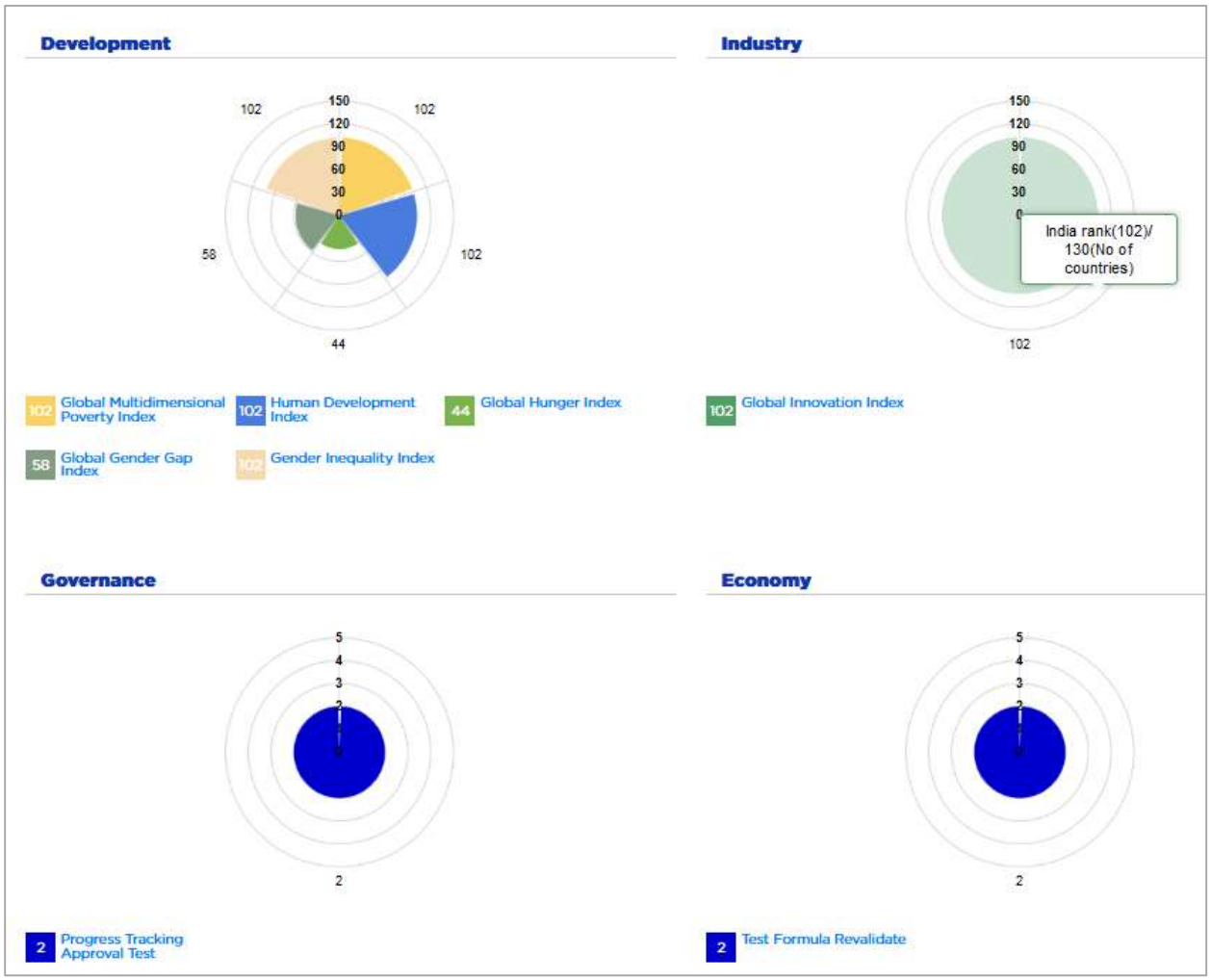


Figure 2-5

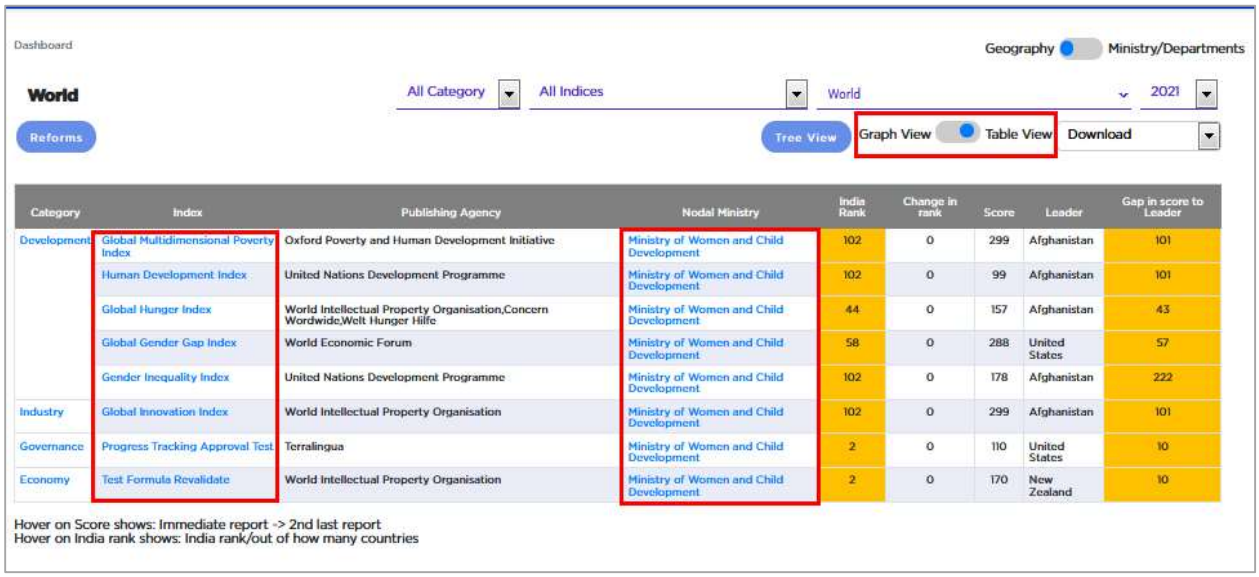
Click on Category to view the details;

2.2 Visualisation-Global Indices

Figure 2-6

Select **YEAR** radio button to view the comparison between previous year and current year for that particular category.

Click on header to go to Landing page.



Category	Index	Publishing Agency	Nodal Ministry	India Rank	Change in rank	Score	Leader	Gap in score to Leader
Development	Global Multidimensional Poverty Index	Oxford Poverty and Human Development Initiative	Ministry of Women and Child Development	102	0	299	Afghanistan	101
	Human Development Index	United Nations Development Programme	Ministry of Women and Child Development	102	0	99	Afghanistan	101
	Global Hunger Index	World Intellectual Property Organisation,Concern Wordwide,Welt Hunger Hilfe	Ministry of Women and Child Development	44	0	157	Afghanistan	43
	Global Gender Gap Index	World Economic Forum	Ministry of Women and Child Development	58	0	288	United States	57
	Gender Inequality Index	United Nations Development Programme	Ministry of Women and Child Development	102	0	178	Afghanistan	222
Industry	Global Innovation Index	World Intellectual Property Organisation	Ministry of Women and Child Development	102	0	299	Afghanistan	101
Governance	Progress Tracking Approval Test	Terralingua	Ministry of Women and Child Development	2	0	110	United States	10
Economy	Test Formula Revalidate	World Intellectual Property Organisation	Ministry of Women and Child Development	2	0	170	New Zealand	10

Figure 2-7

Click Nodal Ministry link to view details:

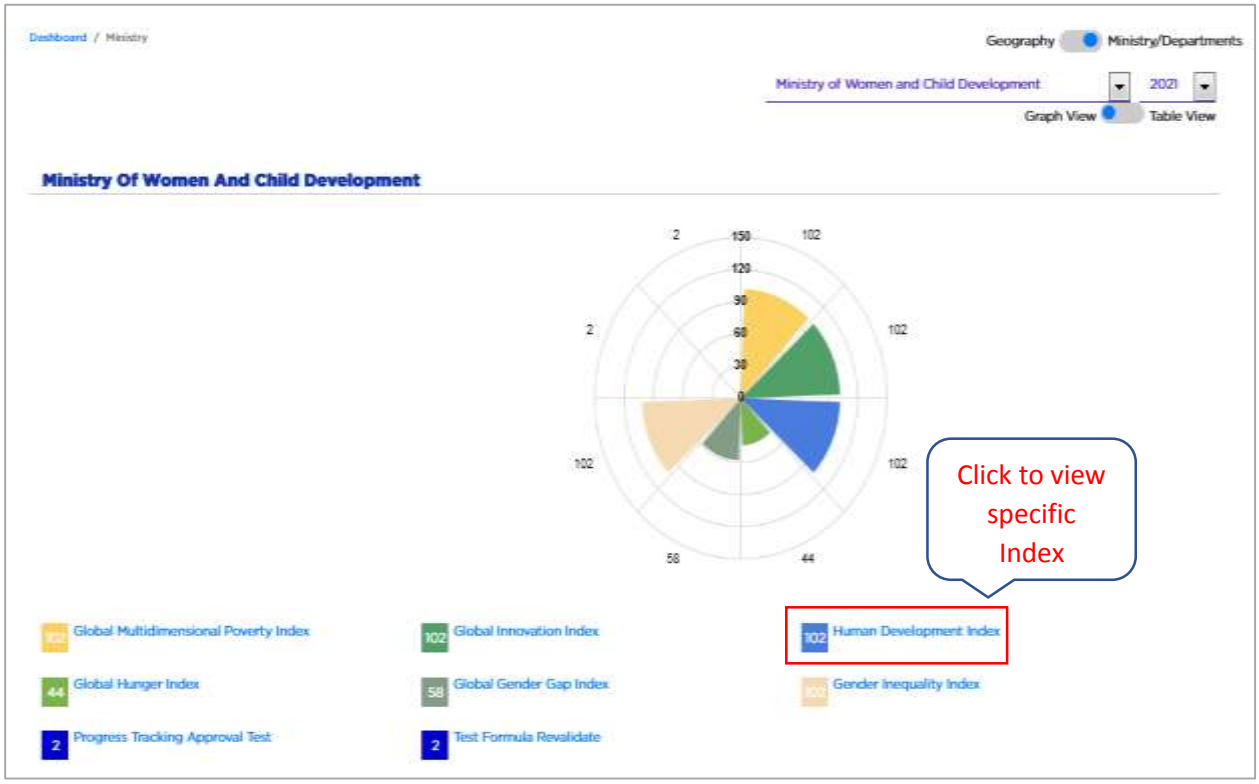


Figure 2-8

You can view Indices mapped to Nodal Ministry. Color coded legends depicting Ranks of various Indices under Ministry.

Select specific Index to view its country-wise scores/Ranks.

Figure 2-9

1 -Select Index from dropdown

2 -By default it will display World for Global Indices

3 -Select YEAR from dropdown

4 -Data entered in the Global Index module, (Scores and Ranks uploaded for various countries including India) on approval appear in the Indices on Visualization.

5 -On left view color coded geographical data representation

On right view Global ranks

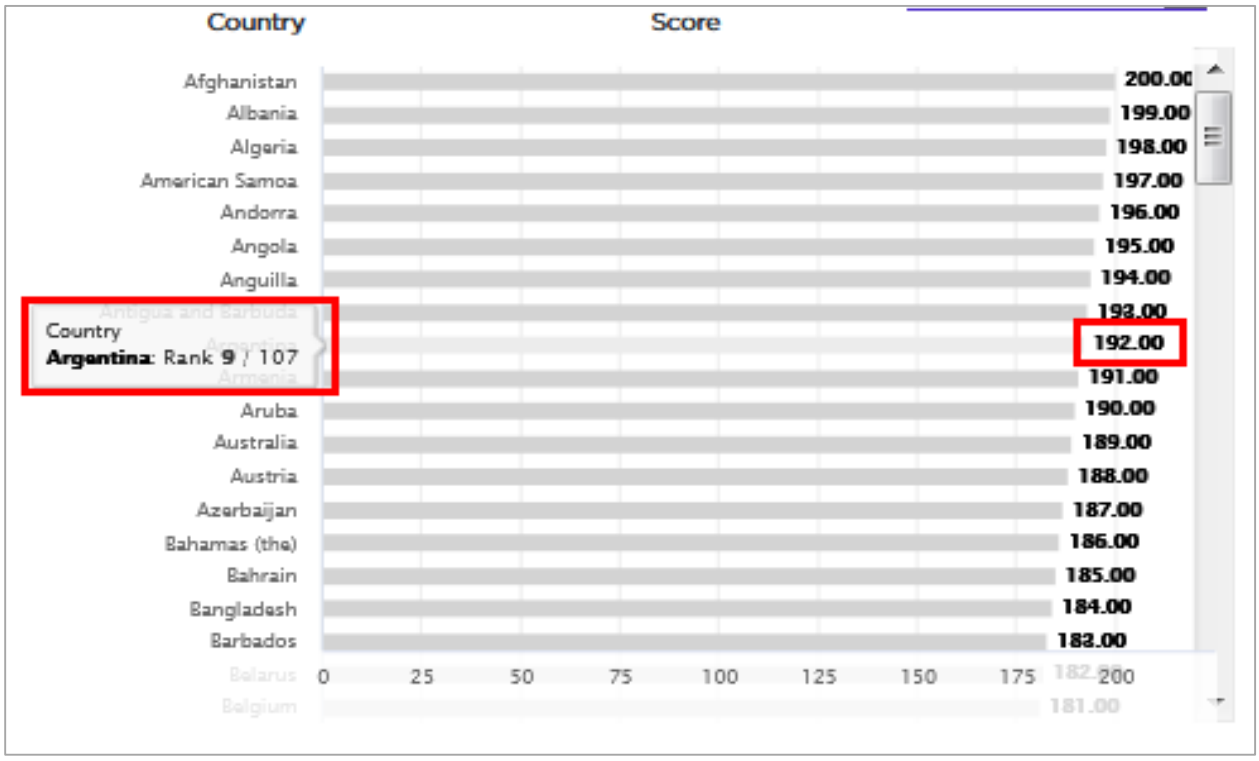
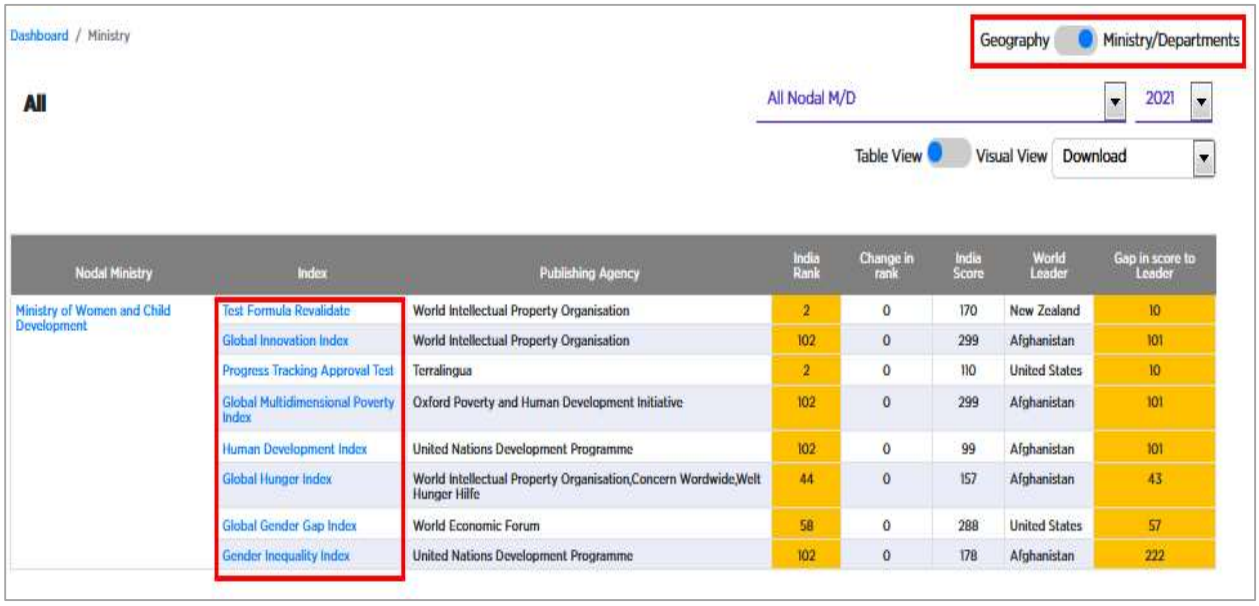


Figure 2-10

Select

Ministry/Department radio button.



Nodal Ministry	Index	Publishing Agency	India Rank	Change in rank	India Score	World Leader	Gap in score to Leader
Ministry of Women and Child Development	Test Formula Revalidate	World Intellectual Property Organisation	2	0	170	New Zealand	10
	Global Innovation Index	World Intellectual Property Organisation	102	0	299	Afghanistan	101
	Progress Tracking Approval Test	Terralingua	2	0	110	United States	10
	Global Multidimensional Poverty Index	Oxford Poverty and Human Development Initiative	102	0	299	Afghanistan	101
	Human Development Index	United Nations Development Programme	102	0	99	Afghanistan	101
	Global Hunger Index	World Intellectual Property Organisation,Concern Wordwide,Welt Hunger Hilfe	44	0	157	Afghanistan	43
	Global Gender Gap Index	World Economic Forum	58	0	288	United States	57
	Gender Inequality Index	United Nations Development Programme	102	0	178	Afghanistan	222

Figure 2-11

- Ministry wise Global Indices along with Publishing agency and India Rank will be displayed in tabular form.
- You can also view India Rank with change, and Global Leader and Gap in score with Global Leader.
- Click Table View Visual View to view Ministry level Global data in Visual view

Figure 2-12

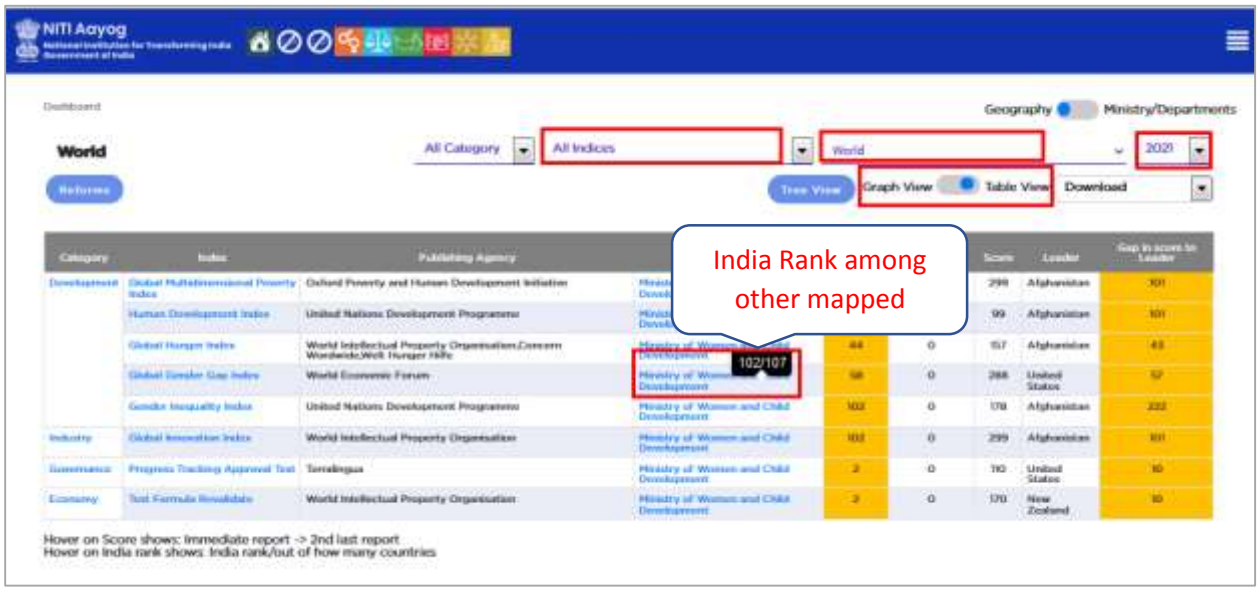


Figure 2-13

- Hover on Score shows: Immediate report -> 2nd last report
- Hover on India rank shows: India rank/out of how many countries

2.3 Visualisation – India Index

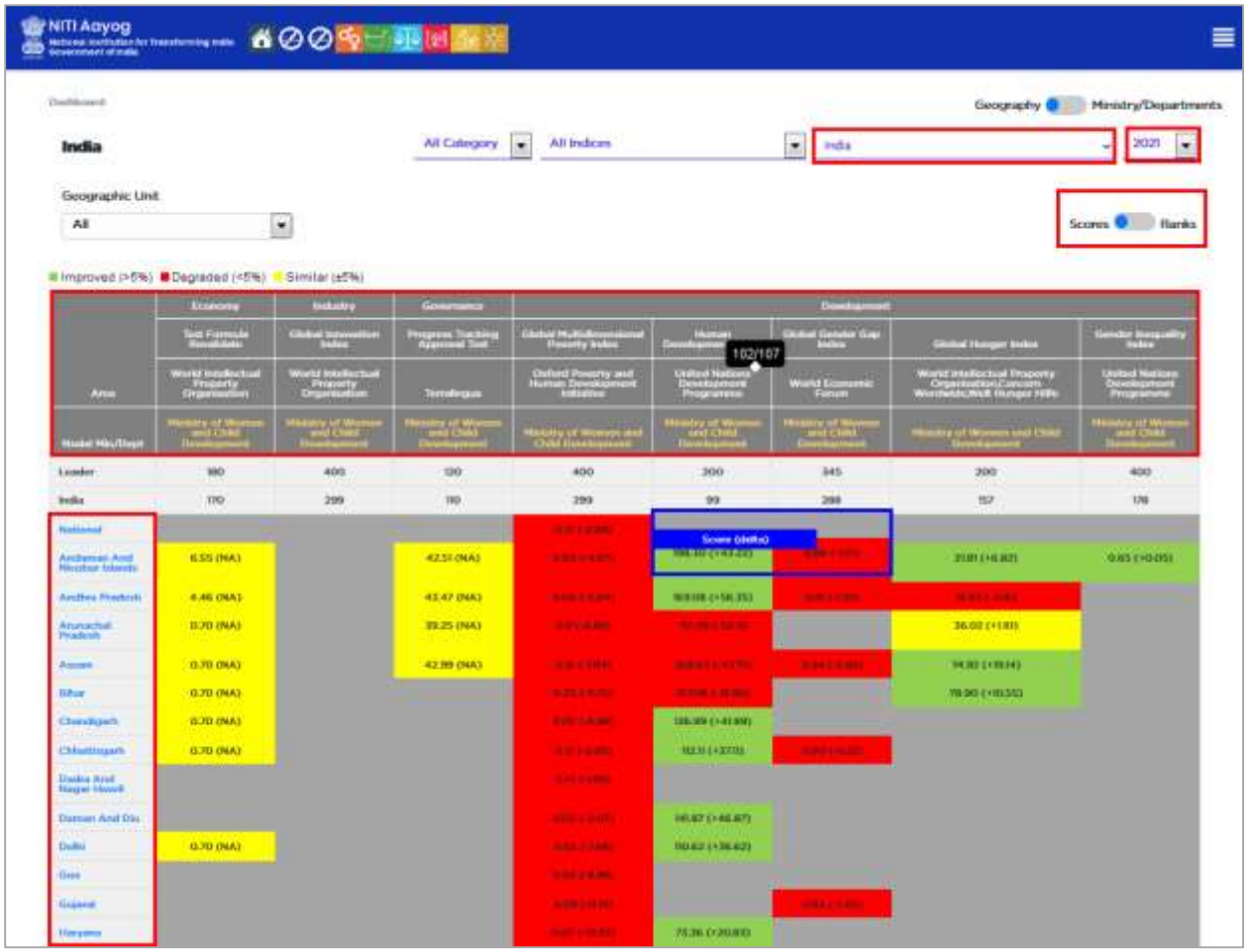


Figure 2-14

- Select **India** from dropdown.
- State-wise Ranks & Scores are displayed for Mapped Indexes, in color coding;
- List will be shown for all India Indices
- **Categories >> Indices >> Publishing Agencies >> Nodal Ministry and department**, who is responsible for those indices will appear on top of the table.
- Scores at Index level are shown (State-wise data) based on the definitions defined at state/ministry levels
- On hover, displays Delta showing the improvement
- Select Scores Ranks Ranks, radio button to view state-wise Ranks for specific Index.

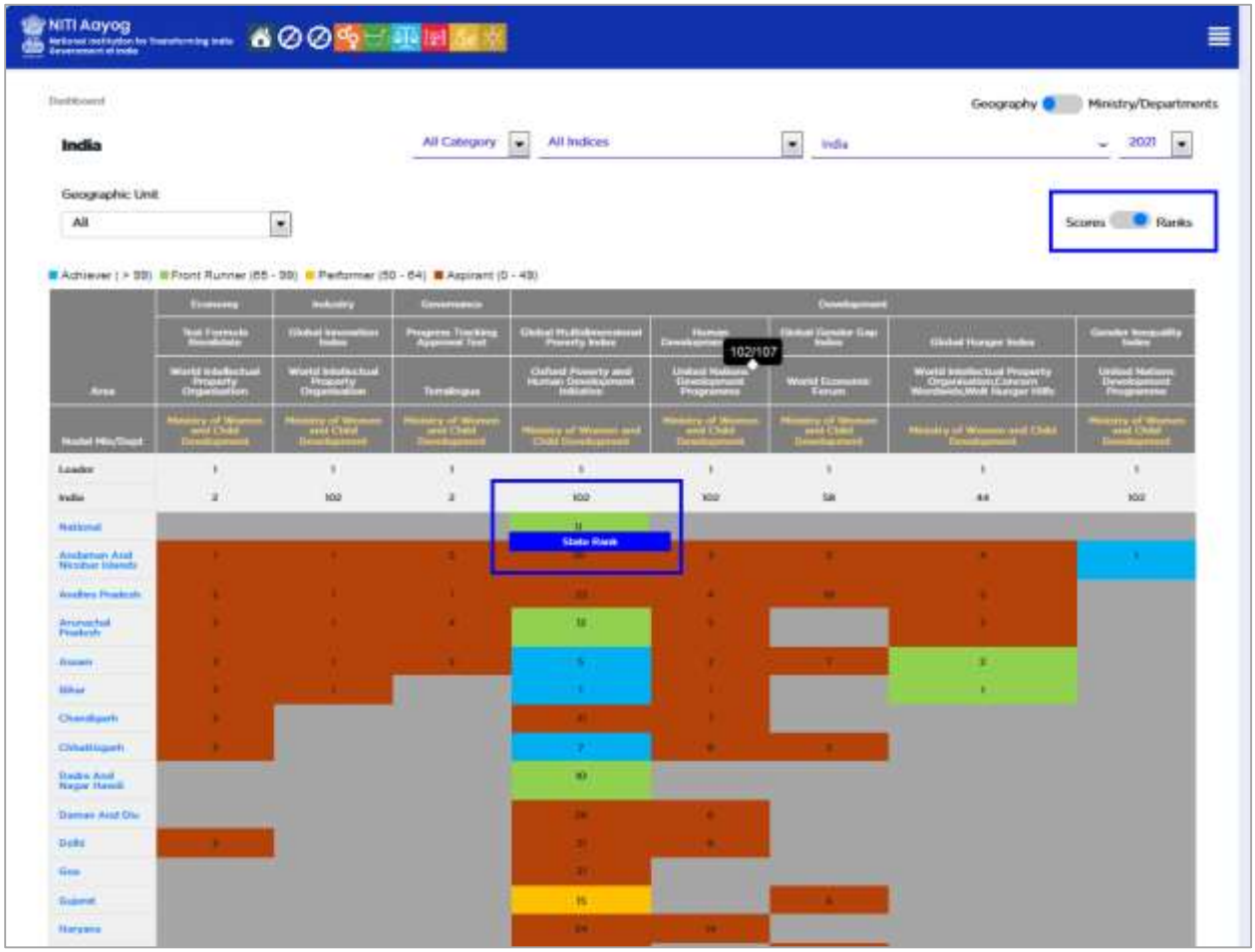


Figure 2-15

- Ranks at Index level are shown (State-wise data) based on the definitions defined at state/ministry levels
- On hover, displays State Rank
- Select Specific India Index to view more detailed manner
- Scores of different states, (Gender Gap Index) target of index.
- Select Specific India Index to view more detailed manner
- Scores of different states, (Gender Gap Index) target of index.

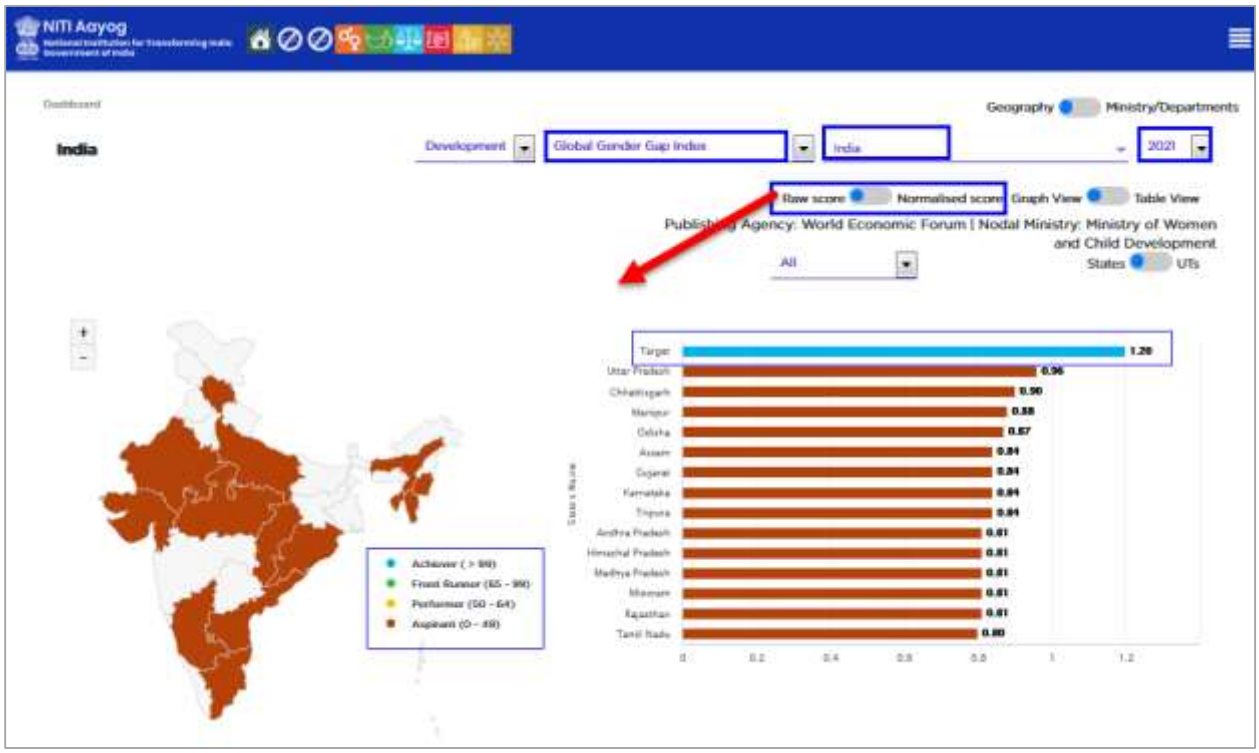


Figure 2-16

- You can select Top 10 States;
- Based on Normalization Formula the scores are calculated.
- Increasing type or decreasing type of index. Based on that normalization formula will change.
- Select Table view to view themes, parameters, and sub-Parameters.
- Select Specific India Index to view more details;
- Scores of different states, along with target of index will be displayed.

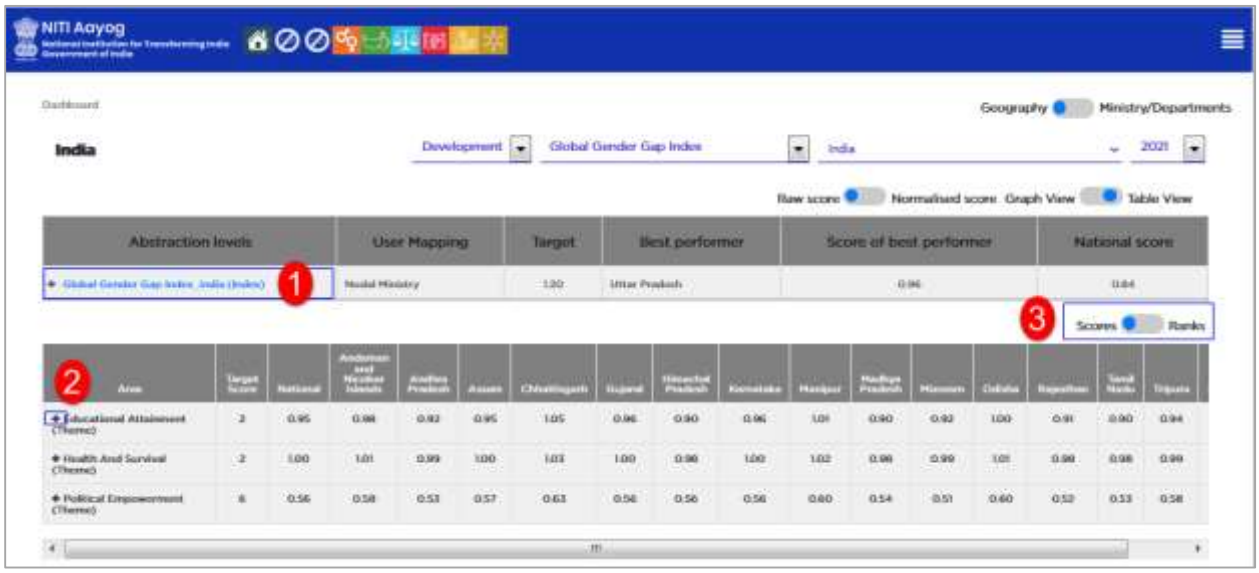


Figure 2-17

1 - Click + to expand the Index till sub parameter level,

2 - Click + to expand the Themes,

3 - Select Scores Ranks to view scores /ranks

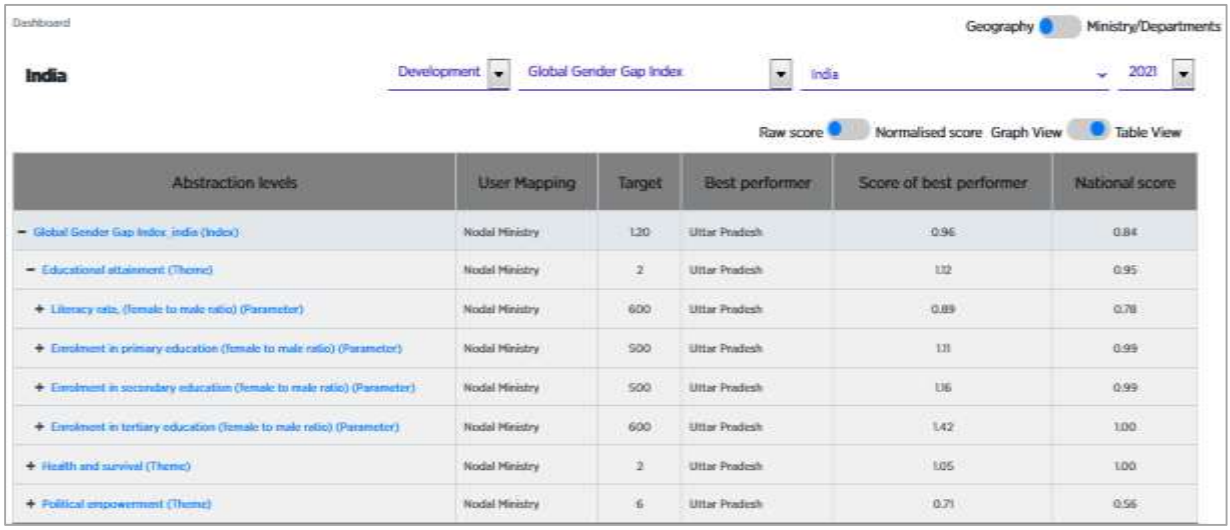
Abstraction levels	User Mapping	Target	Best performer	Score of best performer	National score
+ Global Gender Gap Index_India (Index)	Nodal Ministry	1.20	Uttar Pradesh	0.96	0.84

Click to view themes and parameters

Scores Ranks

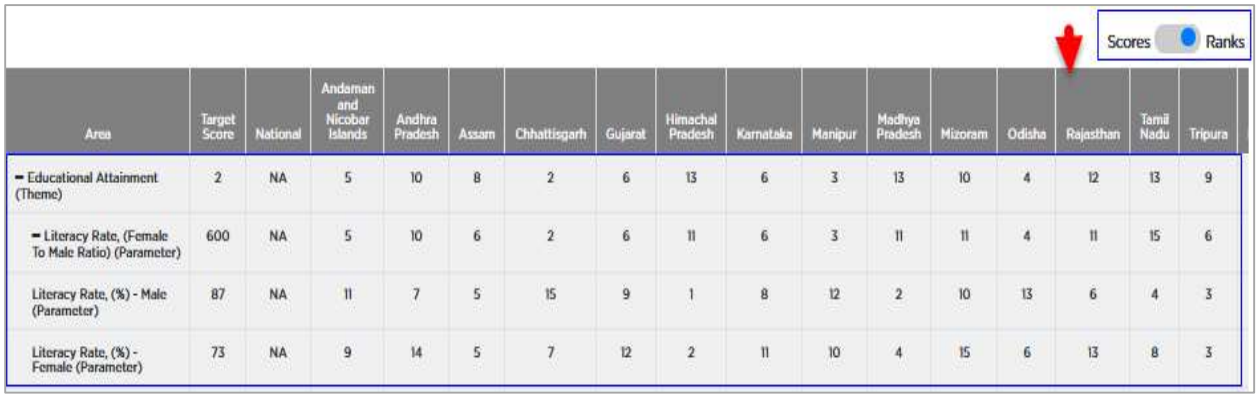
Area	Target Score	National	Andaman and Nicobar Islands	Andhra Pradesh	Assam	Chhattisgarh	Gujarat	Himachal Pradesh	Karnataka	Manipur	Madhya Pradesh	Mizoram	Odisha	Rajasthan	Tamil Nadu	Tripura
− Educational Attainment (Theme)	2	0.95	0.98	0.92	0.95	1.05	0.96	0.90	0.96	1.01	0.90	0.92	1.00	0.91	0.90	0.94
− Literacy Rate, (Female To Male Ratio) (Parameter)	600	0.78	0.80	0.76	0.78	0.84	0.78	0.75	0.78	0.82	0.75	0.75	0.81	0.75	0.74	0.78
Literacy Rate, (%) - Male (Parameter)	87	84.14	82.40	84.40	85.40	78.40	82.90	92.40	83.10	79.90	89.40	82.41	78.52	85.29	88.39	88.40
Literacy Rate, (%) - Female (Parameter)	73	65.60	65.80	63.80	66.80	65.90	64.90	69.26	64.93	65.13	67.03	61.81	66.78	63.82	65.81	68.79

Figure 2-18



Abstraction levels	User Mapping	Target	Best performer	Score of best performer	National score
− Global Gender Gap Indor_india (Index)	Nodal Ministry	1.20	Uttar Pradesh	0.96	0.84
− Educational attainment (Theme)	Nodal Ministry	2	Uttar Pradesh	1.12	0.95
+ Literacy rate, (female to male ratio) (Parameter)	Nodal Ministry	600	Uttar Pradesh	0.89	0.78
+ Enrolment in primary education (female to male ratio) (Parameter)	Nodal Ministry	500	Uttar Pradesh	1.11	0.99
+ Enrolment in secondary education (female to male ratio) (Parameter)	Nodal Ministry	500	Uttar Pradesh	1.16	0.99
+ Enrolment in tertiary education (female to male ratio) (Parameter)	Nodal Ministry	600	Uttar Pradesh	1.42	1.00
+ Health and survival (Theme)	Nodal Ministry	2	Uttar Pradesh	1.05	1.00
+ Political empowerment (Theme)	Nodal Ministry	6	Uttar Pradesh	0.71	0.56

Figure 2-19

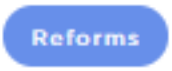


Area	Target Score	National	Andaman and Nicobar Islands	Andhra Pradesh	Assam	Chhattisgarh	Gujarat	Himachal Pradesh	Karnataka	Manipur	Madhya Pradesh	Mizoram	Odisha	Rajasthan	Tamil Nadu	Tripura
− Educational Attainment (Theme)	2	NA	5	10	8	2	6	13	6	3	13	10	4	12	13	9
− Literacy Rate, (Female To Male Ratio) (Parameter)	600	NA	5	10	6	2	6	11	6	3	11	11	4	11	15	6
Literacy Rate, (%) - Male (Parameter)	87	NA	11	7	5	15	9	1	8	12	2	10	13	6	4	3
Literacy Rate, (%) - Female (Parameter)	73	NA	9	14	5	7	12	2	11	10	4	15	6	13	8	3

Figure 2-20

Ranks are displayed for specific theme and parameter.

2.4 Reforms

Select 

button on landing page of Visualisation to have an aggregate view of reform system.

Figure 2-21

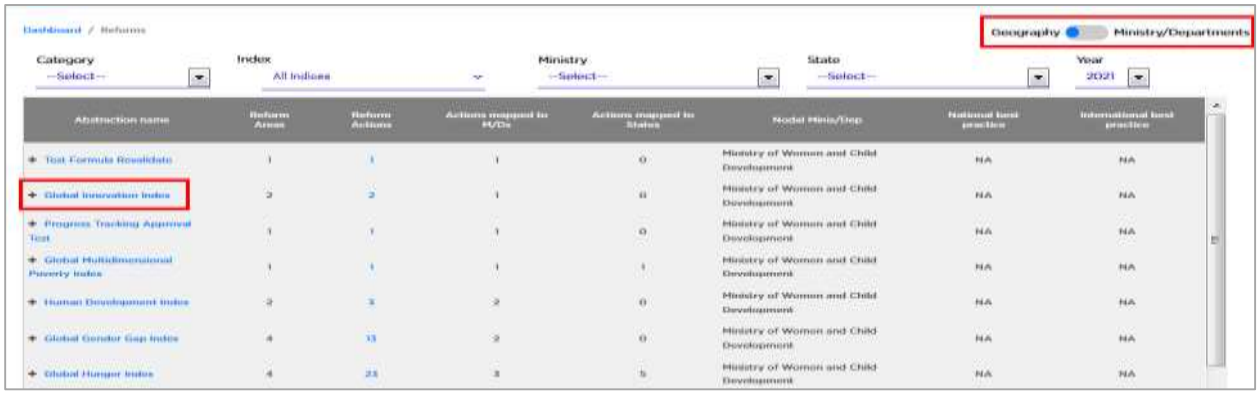


Figure 2-22

- All indices are displayed in list/ tree view
- Click **+** to view Reforms

Figure 2-23

- Various Reform actions assigned to Users by Nodal, Line/State Admins.

- Reform actions are linked to different nodes of Index tree.
- You can expand the Index till lowest parameter level to view the Reform Areas/Actions. No. of Reform areas and reform actions defined under specific index will be displayed.

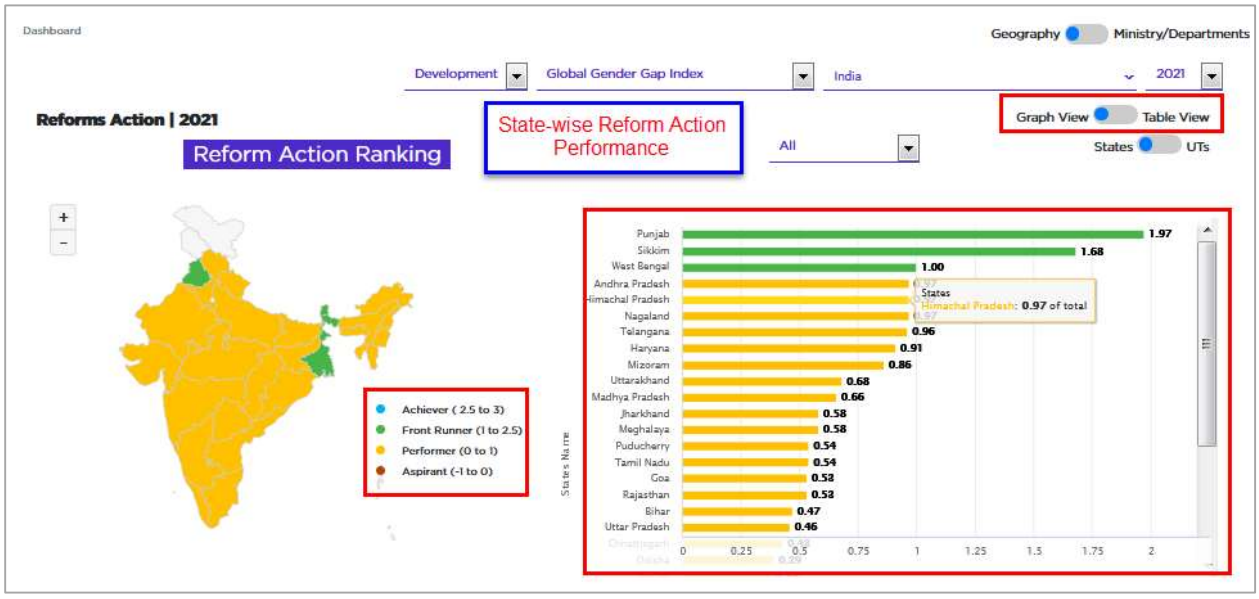


Figure 2-24

- Select **Table View** to view the Reforms in tabular view with its actions and performance at state/ministry levels.
- Aggregate score of Reform = Weighted average score of the performance that has been assigned to them.

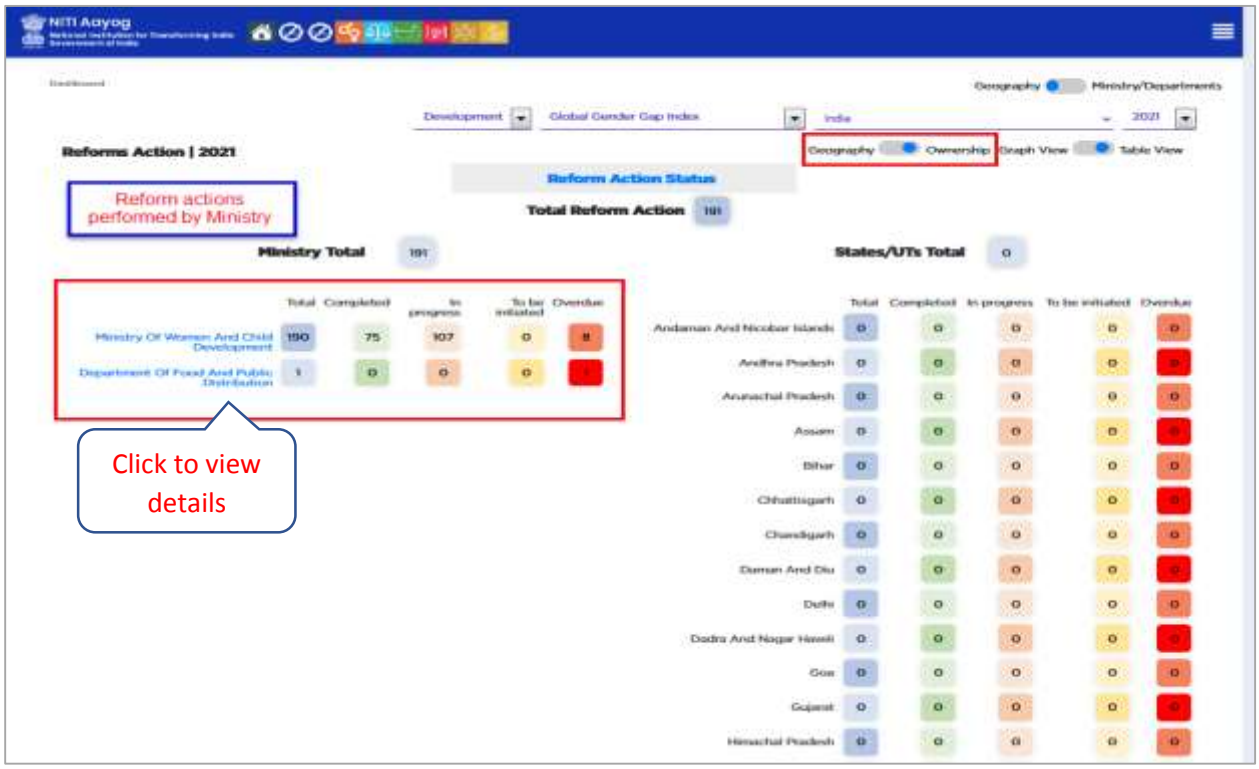


Figure 2-25

- Performance of various states in the area of Reforms
- Table view displays the ownership of assigned reform action
- Select Table View to view details
- Click **Reform Action Status** to view reform action performance.

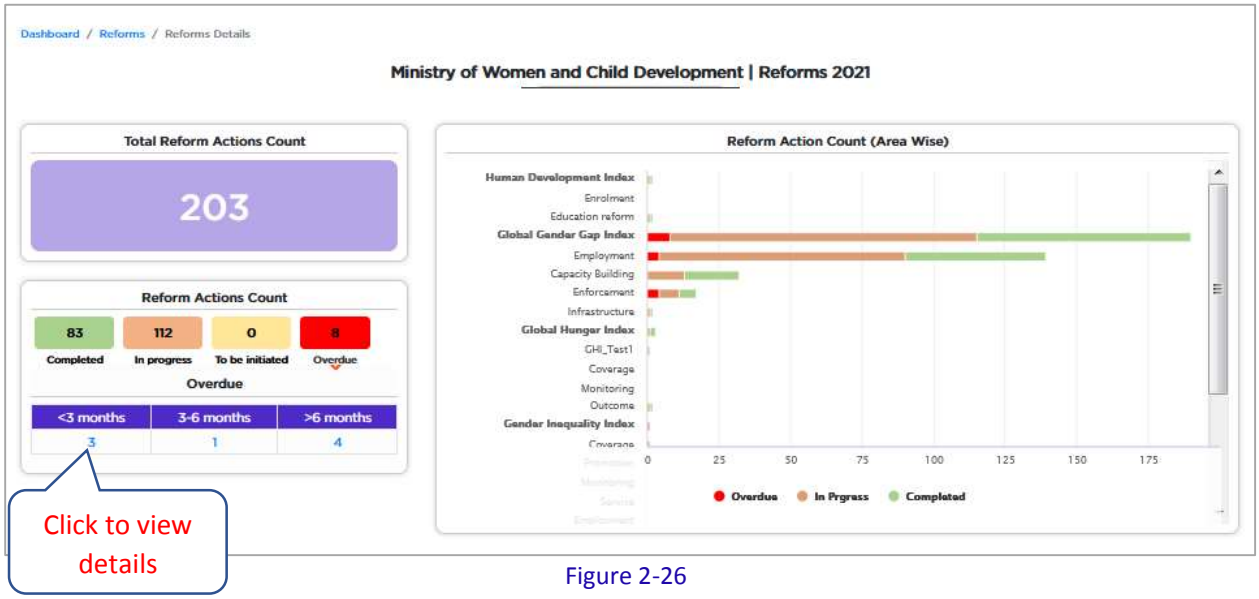


Figure 2-26

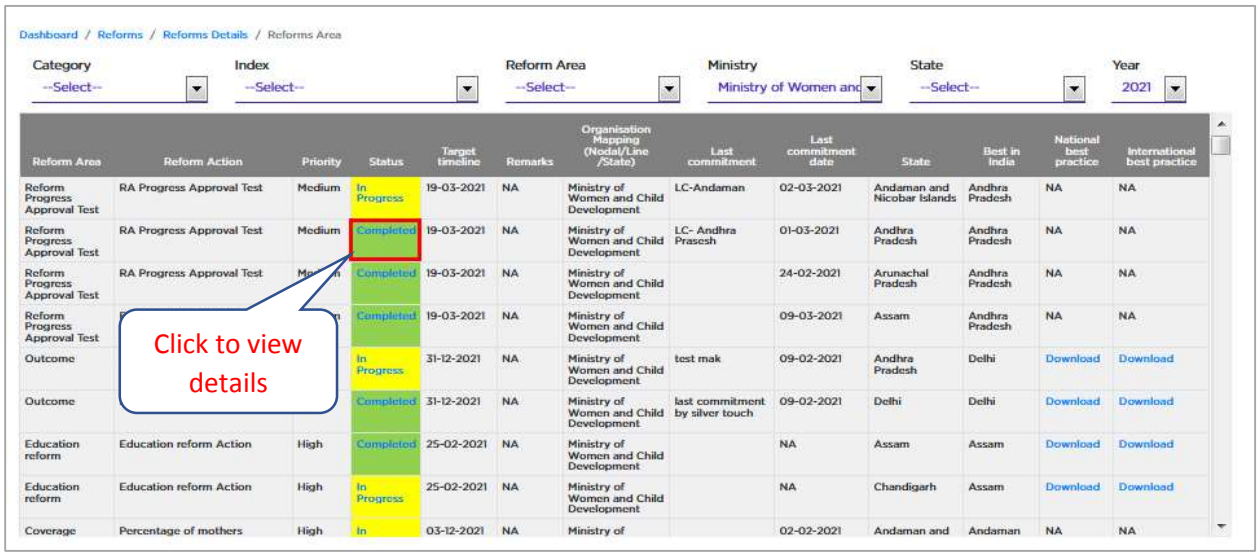


Figure 2-27

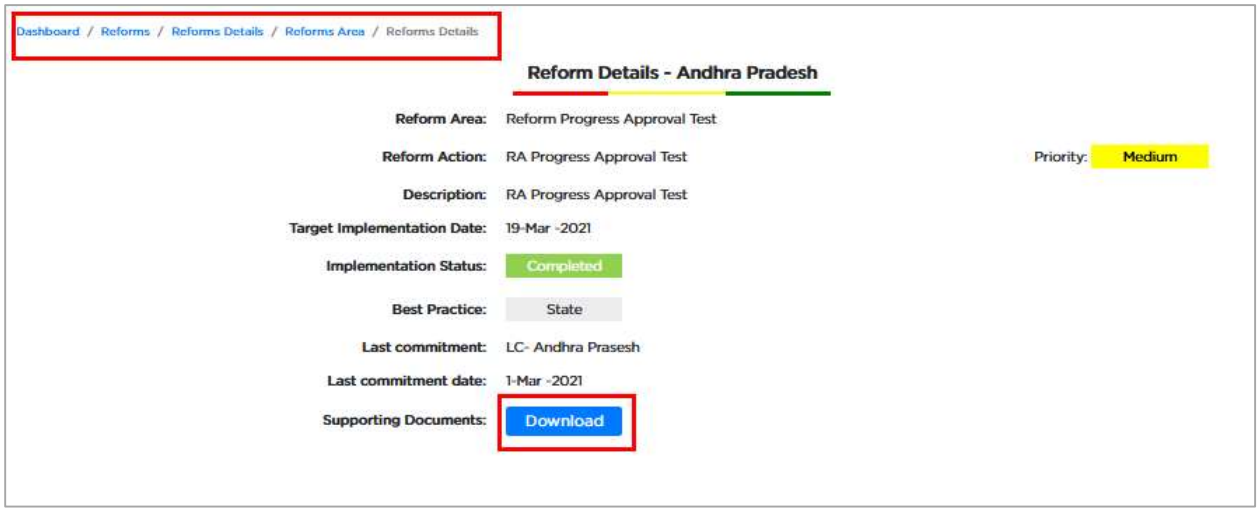


Figure 2-28

- Click Download to download the report in PDF format.

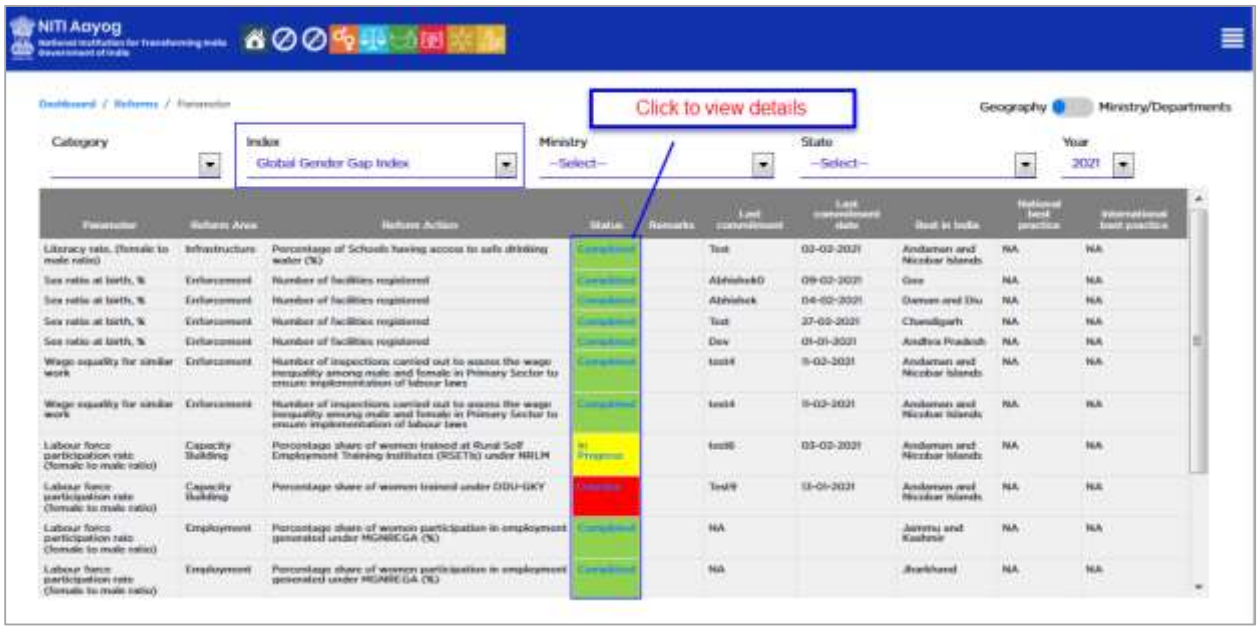


Figure 2-29

Click Completed to view parameter level actions.

Figure 2-30