

# Agenda of Workshop

## 01

DGQI 2.0  
framework  
orientation

- DGQI Overview
- Walkthrough of 3 Pillars
- Overview of Themes within Pillars
- Weightage and Scoring Mechanism – Pillar and Theme Wise

## 02

Score and  
Ranking -  
Current &  
Previous

- Previous Score & Ranking
- Current Score & Ranking
- Scheme wise – Previous and Current Score
- Pillar and Theme Wise score

## 03

Theme -  
wise  
detailed  
walkthrough

- DGQI Theme wise detailed walkthrough
- Question wise walkthrough & explanations
- Feedback on responses

## 04

Q&A and  
Way Ahead

- Questions from scheme officials
- Way Ahead and future plan of action

## 05

User  
Manual

- Walkthrough of user manual to access DGQI portal for scheme officials
- Queries, if any

**01**

DGQI 2.0  
framework  
orientation

# Larger Purpose of this activity

## Data Security & Privacy

Ensuring security, confidentiality and integrity of government data from unauthorized access, breaches and misuse

## Data Access & Transparency

Promoting access to government data for citizens and other stakeholders ensuring appropriate controls and permissions

## Data Governance Framework

Establishing a robust data governance framework that includes roles, responsibilities, and processes for managing data assets within ministries

## Data Sharing and Interoperability

Facilitating data sharing and interoperability among various government ministries to enable seamless exchange of information

## Data Quality and Standardization

Establishing guidelines and standards for data quality, accuracy, consistency, and completeness across different ministries

## Capacity Building & Training

Enhancing data literacy and skills among government officials to effectively manage and utilize data

## Data Analytics and Decision Making

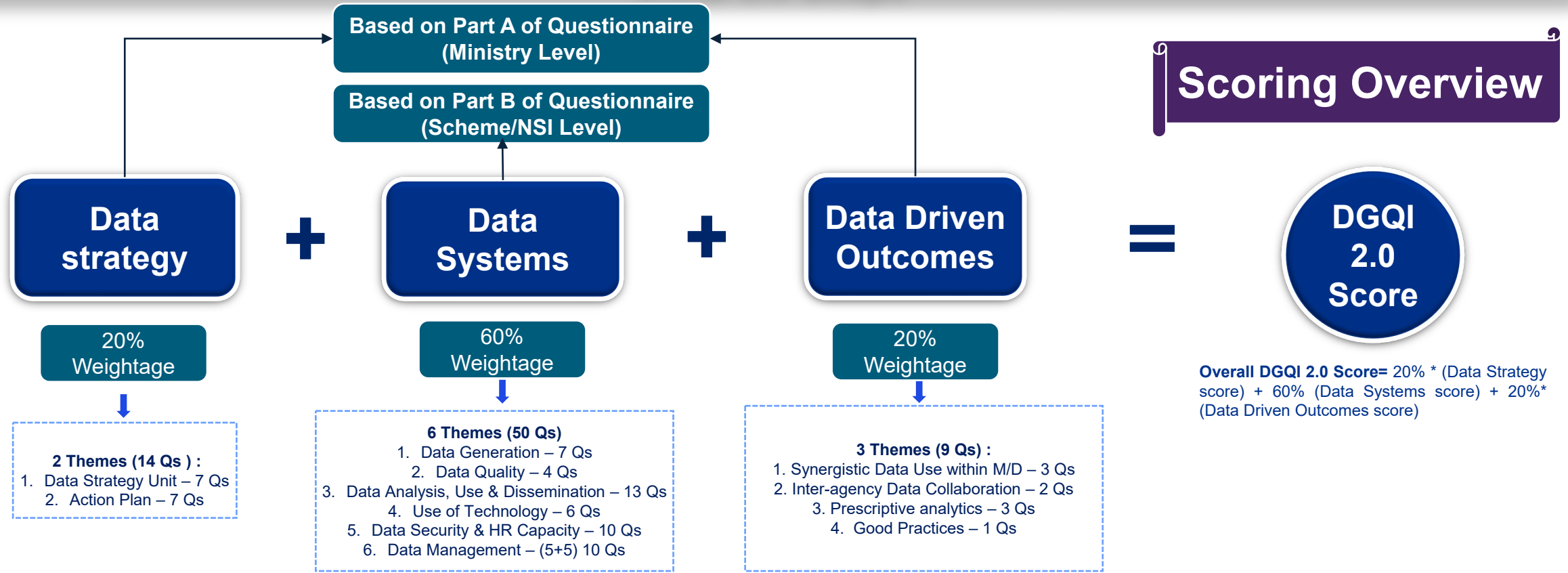
Leveraging data assets to enable evidence-based policy formulation, monitoring, and evaluation

## Compliance with Regulatory Requirement

Ensuring compliance with relevant data protection laws, regulations, and policies, both at national and international levels

# DGQI 2.0 Overview







## DGQI 2.0 Scope



# 02

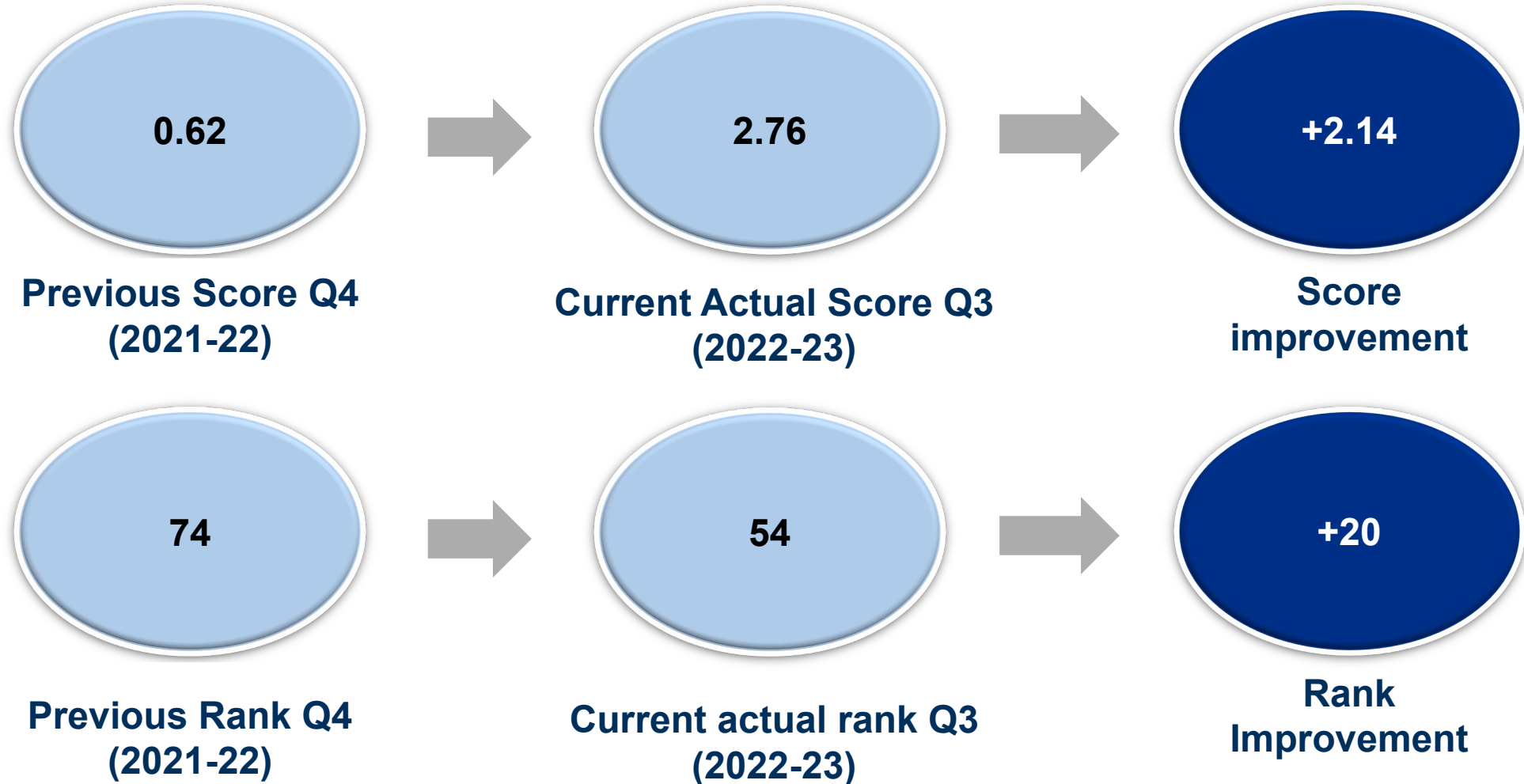
Score and  
Ranking -  
Current &  
Previous

# Internal Scheme-Wise Score and Ranking

Sr No	Scheme Name	Previous Score – Q4 FY21-22	Previous Rank – Q4 FY21-22	Current Score – Q3 FY22-23	Current Rank – Q3 FY22-23	Score Improvement
1	SWADESH DARSHAN	1.92	1	4.18	1	2.26 
2	CAPACITY BUILDING FOR SERVICE PROVIDERS	1.53	2	4.13	2	2.6 
3	PRASHAD	0.86	3	4.09	3	3.23 
4	ASSISTANCE TO IHMS/FCIs/IITTM/NIWS	0.60	4	3.99	4	3.39 
5	OTHER SUPPORT TO TOURIST INFRASTRUCTURE	0.46	5	1.79	5	1.33 
6	DOMESTIC PROMOTION AND PUBLICITY INCLUDING MDA	0.21	6	1.18	6	0.97 

# Current score and ranking of the ministry

There is an incremental shift in the DGQI score since DGQI team stepped in



# 03

Theme – Wise  
detailed  
walkthrough



# DGQI Themes Overview

## 1) Data Generation

- Measures the ability to collect and report data on inputs, outputs and outcomes of schemes

## 2) Data Quality

- Measures the ability to undertake data quality assessment procedures to evaluate quality of incoming data and make suitable corrections

## 3) Data Analysis, Use and Dissemination

- Measures the ways in which collected data is analyzed and used for evidence creation and decision making

## 4) Use of Technology

- Covers linkages with other platforms like PFMS, Aadhar, etc. and use of emerging technologies like AI/ML, Drones, etc. in scheme monitoring

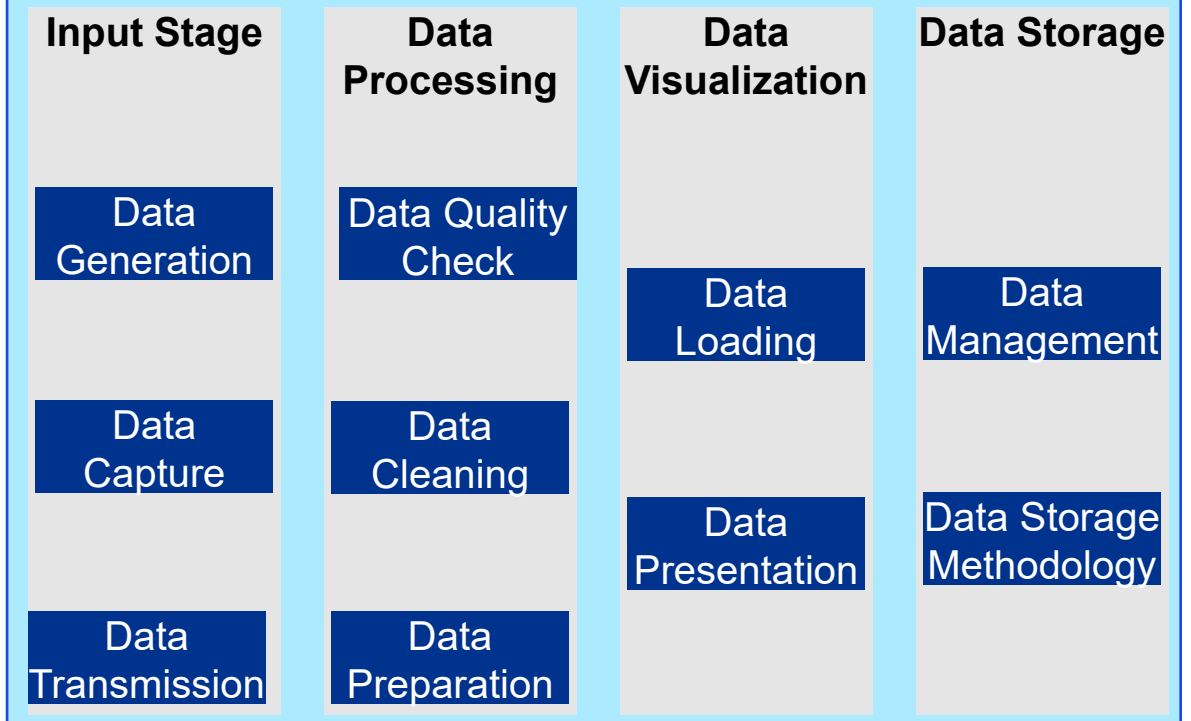
## 5) Data Security and HR Capacity

- Measures capacity to ensure data security and privacy related concerns of data systems

## 6) Data Management

- Covers guidelines for data management, storage, archival and retention

## Data Processing Cycle



## 7) Inter-Agency data collaboration

- Covers how data-based collaborations have been undertaken with other agencies to drive better data-based outcomes

## 8) Synergistic Data Use

- Covers how gaps in available data have been identified from decision making perspective and corrective steps taken to remedy the same

## 9) Prescriptive Analytics

- Covers how a data culture is being created by movement to prescriptive analytics

# Data System Pillar (60%) - Data Generation Theme (11%) – (1/2)

**Q1** - Are the data requirements of the scheme well defined and documented?

Input - **Yes/No**

Scheme divisions need to document below defined for compliance

- a. **Need** for collecting data
- b. **Input, Output and Outcome indicators**
- c. **Granularity and frequency** at which the data needs to be collected
- d. **Mode and method** of data collection

**Q2** - Is data collected for all identified data requirements?

Input - **Input – Yes/ No/ Partial**

**Output– Yes/ No/ Partial**

**Outcome points– Yes/ No/ Partial**

**Q3** - Is collected data reported digitally? (i.e., is there is a digital electronic database/MIS)?

(Yes/No)

Answer can be 'Yes' if **data is collected digitally via a MIS** (Management Information System). Includes schemes where data is collected on **paper first and converted to later report it** digitally via MIS

## Way Forward

- a. Schemes/ Divisions to share any document covering points mentioned in Question 1 for Compliance
- b. Scheme As-Is Report will be developed to measure compliance level
- c. In Case data requirement document is not available, this document to be developed with assistance from DSU

# Data System Pillar (60%) - Data Generation Theme (11%) – (2/2)

**Q4** - At what granularity is data reported digitally for the scheme? Multi-select question.

**(State/District/subdistrict/tehsil/block/village/facility/project)**

**Q5** - At what frequency is data reported digitally for the scheme? Multi-select question.

**(Realtime/Daily/weekly/monthly/quarterly/half-yearly/annually)**

**Q6** - How is this data collected at the ground level?

**(Collected on pen and paper then fed on digital system or collecting using digital modes or Transactional Data)**

Appropriate option to be selected as per the method of data collection currently implemented at ground level. Collected data can be **transactional** in nature if collected in the **process of a digital transaction** requiring no separate human resources.

**Q7** – Are any of the following technologies used?

Input - **CAPI Surveys – Yes/ No/ NA**

**Geotagged Information – Yes/ No/ NA**

**Geofenced Information – Yes/ No/ NA**

# Data System Pillar (60%) - Data Quality Theme (11%) - (1/2)

**Q1** - Are there pre-defined documented mechanisms to assess quality of incoming data?  
(Yes/No)

- Scheme divisions need to document below aspects of incoming data for compliance
- a. **Quality Dimensions - Accuracy, Completeness, Timeliness, Validity of data, Consistency, etc.**
  - b. Protocols for **Data Validation, Filtering, Summary statistics, Data deduplication**
  - c. **Frequency** to assess data quality
  - d. **Backchecks** to check data quality

**Q2** - How is data quality assessment done?  
(Automatically/Manually/Hybrid/Not Done)

- 'Automatically' if undertaken automatically by **advanced digital systems** with no human intervention.
- 'Manually' if undertaken manually without using any digital systems.
- 'Hybrid' if undertaken by using a hybrid of both manual and automated systems.

Way Forward
a. Schemes/ Divisions to share any document covering points mentioned in Question 1 for Compliance
b. Scheme As-Is Report will be developed to measure compliance level
c. In Case data quality assessment document is not available, this can be developed with assistance from DSU

# Data System Pillar (60%) - Data Quality Theme (11%) - (2/2)

**Q3** - Are following protocols followed during data quality assessment? **Multi-select question.**

- a) **Incoming data is filtered/cleaned after checking for missing values, logical flaws in data, incorrect values etc.**
- b) **Summary statistics of incoming data are generated and checked for errors/abnormalities**
- c) **Existence and accuracy of metadata for all the scheme's data is periodically checked (Schema is well defined)**
- d) **There is a system for identifying duplicate data and removing redundancies**
- e) **There is a system to ensure data is accurate, consistent and traceable to origin/source, whenever it is reproduced by any agency (data integrity)**

Appropriate options to be selected as per protocols currently followed for data quality assessment

**Q4** - Are following feedback mechanisms/backchecks also leveraged for data quality control? **Multi-select question.**

**(Social Audits/ Telephonic backchecks/verification with beneficiaries/ Multimedia data – citizen voice, video, images as evidence/ Sample inspections based on data/ Third party data verification/ data audits)**

- A. Social audit is a form of **citizen participation** that focuses on government performance and accountability.
- B. **Telephonic backchecks** can be undertaken to verify that data is accurate.
- C. Provisions for **citizens to submit multimedia evidence** to improve the quality of data.
- D. **Random inspections** made to verify data on ground.
- E. Data on the MIS is **verified/audited by third parties**

# Data System Pillar (60%) - Data Analysis, Use and Dissemination (11%) - (1/4)

**Q1** - What types of data analysis is undertaken on collected data?

- a. **Descriptive data analysis** (e.g., basic cross tabulation, frequency distribution, mean, median etc.)
- b. **Exploratory data analysis** (e.g., correlation etc.)
- c. **Inferential data analysis** (Using a small sample of data to infer about a larger population)
- d. **Predictive analysis** (Using historical or current data to find patterns to make predictions about the future)
- e. **Causal analysis** (Looks at the cause and effect of relationships between variables, focused on finding the cause of a correlation)
- f. **Mechanistic Analysis** (Understand exact changes in variables that lead to other changes in other variables)

**Q2** - Is cross-schematic/sectoral data also analyzed, wherever needed?

**(Yes/No)** Answer can be 'Yes' if in addition to schematic data, data from other schemes or sector level data is used to inform **scheme level decision making** on a regular basis.

**Q3** - How often is this data analysis well-documented (in reports/ notes/ publications)? **(Real time/Quarterly/Half-yearly/Annually/Never)**

Multi-select question.

A. **Descriptive Analysis**- Basic level of analysis that generates **simple summaries** about the data population.

B. **Exploratory Analysis**- It tries to also find **relationships** between **variables** present in the dataset.

C. **Inferential Analysis**- Use a small sample of data to make **inferences about a larger population**.

D. **Predictive Analysis**- Use historical/ current data to find patterns to make **predictions about the future**.

E. **Causal Analysis**- **Cause and effect of relationships** between variables.

F. **Mechanistic Analysis**- Understand exact changes in variables that lead to other changes in other variables.

# Data System Pillar (60%) - Data Analysis, Use and Dissemination (11%) - (2/4)

**Q4** - How often is this data analysis being used by the M/D officials for:

- a) To re-design the schemes or activities undertaken under the scheme at the end of the tenure.
- b) To do mid-course corrections through design or implementation changes?
- c) To guide intra-scheme funding decisions like interstate allocations, inter-component allocations, etc.?
- d) To guide inter-scheme budgetary allocations?
- e) To decide quarterly releases to implementing agencies?
- f) For fraud management and analysis?
- g) Day to day delivery and monitoring of implementation/ performance of the scheme

**Q5** - What other modes are used to disseminate the MIS/ paper-based data and related data analysis? **Multi-select question.**

**(Social Media/ Dashboard/ Mobile App /SMS /Newspaper Magazines /Outdoor Media / Events/ TV Radio/ Others)**

- A. Dashboards are an essential tool to display **Key Performance Indicators (KPIs)** from schematic data
- B. Mobile Apps are utilized to share data with citizens and interact with them.
- C. Social Media outlets are used to share data with citizens and interact with them.
- D. SMS used to send details regarding transaction/ process updates to users/ beneficiaries of certain schemes.
- E. Newspapers/Magazines, Outdoor Media, Events, TV/Radio are effective mass communication methods

# Data System Pillar (60%) - Data Analysis, Use and Dissemination (11%) - (3/4)

**Q6** - What purposes are dashboards used for by the M/D officials?

Multi-select question

- a. Visual presentation of KPI/KRAs with drill-down capability to lowest level to gain total visibility
- b. Capturing trends over time and identifying preempt trends
- c. Measure efficiencies/inefficiencies in processes
- d. User friendly one stop access to multiple automated reports

**Q7** - What types of Data Visualizations are used?

Multi-select question

(Bar Charts/ Histograms/ Pie Charts/ Scatter plot/ Heat Maps/ Tree Maps/ Gantt Chart/ Specialized visualizations- Stripe graphics, streamgraph,

Basic visualizations (options a, b and c) include **Bar Chart/Histogram, Pie charts and Scatter Plots.**

**Heatmap** uses a system of color-coding to represent different values and helps visualize density.

**Treemap** helps visualize hierarchical data that helps capture relative sizes of data categories.

**Gantt Charts** help track progress over time and help allocate resources.

**Stripe Graphs** use a series of coloured stripes chronologically ordered to visually portray long term trends.

**Stream Graph** displays the changes in data over time through the use of flowing, organic shapes.

**Q8** - Does the Dashboard visualize information on maps?

(Yes/No/NA)



# Data System Pillar (60%) - Data Analysis, Use and Dissemination (11%) - (4/4)

Details on GIGW guidelines for differently abled and multilingual features support are available in the [next](#) slide

**Q9** - Does the information system (of MIS) support multilingual features as per GIGW norms?  
(Yes/No/Partially)

**Q10** - Does the information system (of MIS) support features for differently abled as per GIGW norms?  
(Yes/No/Partially)

**Q11** - How is the MIS data (non-sensitive data which can be shared) accessible for general population?  
(Openly accessible without credentials / Accessible through credentials/ Not accessible)

To select the option most suitable based on the nature of the dashboard.  
If anyone (public) can access the dashboard without any login system  
If anyone can access the dashboard but only after login.  
If it is not at all accessible

**Q12** - Is there an option on the MIS to download bulk data (non-sensitive data which can be shared) in excel, csv, dta files (machine readable formats)?  
(Yes/No/Partial data download allowed)

**Q13** - Is the MIS data available on 'data.gov.in' (non-sensitive data which can be shared)?  
(Yes/No)

**Scheme division to select 'Yes'** only if all non-personal MIS data is available on data.gov.in as per the National Data Sharing and Accessibility Policy.

# Guidelines for India Government Websites (GIGW) norms explained

## Guidelines for enablement of features for differently abled

- Website should be accessible to the visually impaired
- Website should be accessible to hearing impaired
- People with cognitive disability should be able to access time dependent content through pause/ extend/ back/ forward options
- Website should be accessible to the hearing/ auditory impaired people
- Website should be accessible to people with locomotor/physical disability who cannot access the whole content present on the website

Further details on these guidelines are available at <https://www.w3.org/TR/WCAG21/>

## Guidelines for support to multilingual features

- Website has been tested on multiple browsers and hindi/regional language fonts have been tested on popular browsers for any inconsistency
- Documents/pages in multiple languages are updated simultaneously
- Website/app is bilingual with a prominent language selection link and uses Unicode characters
- Proper page title and language attribute along with metadata for page like keywords and description are appropriately included

# Dashboard Screenshots (1/2)

## Swadesh Darshan Portal (<http://swadeshdarshan.gov.in/>)

**Program Funding Snapshot**

Financial Year	Projects Sanctioned	Amount Sanctioned In Rs Cr	Funds Released In Rs Cr	UC Received In Rs Cr
2014-15	2	117.6	20	0
2015-16	17	1292.27	309.54	0
2016-17	36	2693.26	904.66	237.82
2017-18	11	711.87	927.13	542.28
2018-19	10	477.57	1089.5	1285.8
2019-20	0	0	660.8	842.76
2020-21	0	0	524.69	1071.89
2021-22	0	0	263.11	477.81
2022-23	0	0	172.08	373.18
2023-24	0	0	0	19.65
<b>Total:</b>	<b>76</b>	<b>5292.97</b>	<b>4771.41</b>	<b>4550.98</b>

**Program Progress Snapshot**

**Physical Progress of the Projects**

	Total	Completed	75-100%	50-75%	25-50%	< 25%	Not Started
Projects	76	58	13	5	0	0	0
Districts	241	161	41	18	6	16	0
Sites	909	766	53	22	22	44	2
Components	6609	5661	142	82	55	71	598

**Financial Progress of the Projects**

	Total	Completed	75-100%	50-75%	25-50%	< 25%	Not Started
Projects	76	9	51	11	4	1	0
Districts	241	23	147	36	16	20	0
Sites	909	223	403	141	67	56	19
Components	6609	2000	1700	634	410	188	986

**MPR Status for May-2023**  
Submitted: 18 & Pending: 61 | Submitted: 19.7%

**Monthly MPR Status**  
(For Last 12 Months)

**Projects Sanctioned - FY**  
Total Projects Sanctioned - 76

**Project Amount Sanctioned - FY**  
Total Amount Sanctioned: INR 5292.97 Crores

## PRASHAD Portal (<https://tourism.dashboard.nic.in/>)

**भारत सरकार, पर्यटन मंत्रालय**  
Ministry of Tourism  
Government of India

**अतुल्य भारत**  
Incredible India

**Shri G.Kishan Reddy**  
Honorable Minister of Tourism

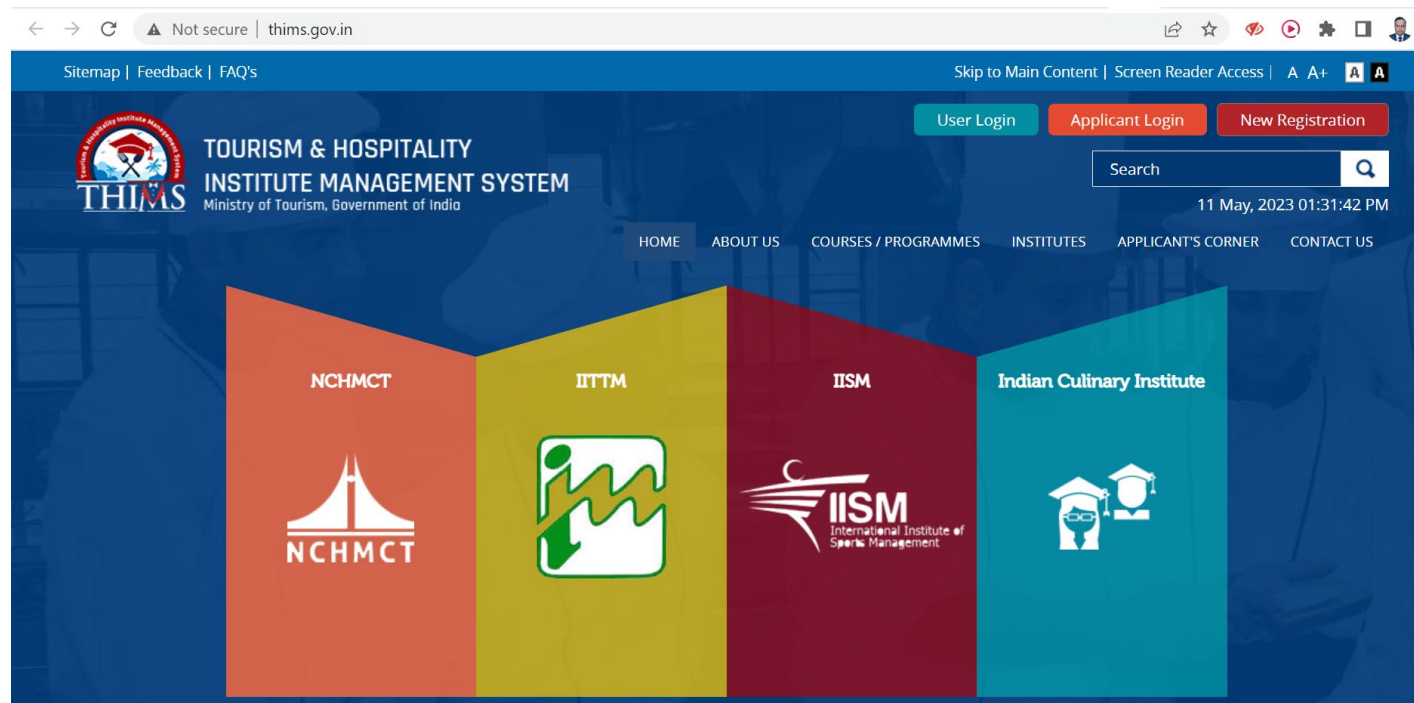
Foreign Tourists Arrivals		Swadesh Darshan		PRASHAD	
Total FTA In The Year Upto Previous Month (No.)	25,29,766	No of Projects Sanctioned (No.)	76	No of Projects Sanctioned (No.)	45
Arrivals In The Previous Month (No.)	7,95,827	Substantially Completed (No.)	75	Substantially Completed (No.)	26
		Total Funds Released (Rs. Crore)	4,930.29	Total Funds Released (Rs. Crore)	904.04

**PRASHAD - No of Projects Sanctioned**

Month	No. of Projects Sanctioned
Apr-2022	0
May-2022	39
Jun-2022	39
Jul-2022	39
Aug-2022	40
Sep-2022	40
Oct-2022	40
Nov-2022	41
Dec-2022	45
Jan-2023	45

# Dashboard Screenshots (2/2)

**CBSP & Assistance to  
IHMs/FCIs/IITM/NIWS  
(<http://thims.gov.in/>)**



# Data System Pillar (60%) - Use of technology (6%) - (1/2)

**Q1** - Does the MIS of the scheme have linkages with PFMS?

(Yes/No/NA)

'Yes' to be selected only if PFMS and MIS system of the scheme are automatically linked to each other.

**Q2** - Is PFMS integration completed till the field-level implementation agency?

(Yes/No/Partially)

**Q3** - Does the MIS of the scheme have linkages with: **Multi-select question**

**Aadhar / Mobile numbers / Bank Accounts / GSTN / Udyog Aadhar / Others.**

Options a, b and c applicable to **beneficiary-oriented schemes**.

Options d and e are applicable to **industry/firm oriented schemes**.

Linkages here imply that these numbers are used as unique identifiers in the scheme MIS.

**Q4** - Does the scheme use any of the following:

**Remote Sensing / Night Light Data / Social Media Data / Private sector generated data / Others.**

a) **Remote sensing** is the process of detecting and monitoring **physical characteristics of an area**

b) **Night light data** is the data emerging from **night time lights** emanating from earth **captured by satellites**.

c) Data collected from **social media** can help understand how **people are engaging** with topics of interest.

d) Alternative sources of data including data generated from the private sector may be used scheme divisions to inform decision making.

# Data System Pillar (60%) - Use of technology (6%) -(2/2)

**Q5** - Is the MIS compliant with Local Govt Directory (LGD)?

(Yes/No/NA)

**Scheme division to select 'Yes'** if they are using LGD codes as unique identifiers for storing data on geographies in their scheme MIS. Scheme MIS can use the LGD codes as mentioned in the government website:-  
<https://lgdirectory.gov.in>

**Q6** - Does the scheme apply/use any of the following:

(Machine Learning / Artificial Intelligence / Block Chain / Internet of Things / Big Data Analytics / Drones)

- a) **Machine Learning** gives computers the **ability to learn and predict** from data without being explicitly programmed.
- b) **Artificial Intelligence (AI)** refers to intelligence demonstrated by machines and **can be used for enhancing the delivery of schemes.**
- c) **Blockchain** refers to having **distributed ledgers** or **blocks of transactional data** that are linked together.
- d) **Internet of Things (IoT)** refers to a **network of objects** embedded with **sensors** and technologies for **collecting and exchanging data over Internet.**
- e) **Big data analytics** refers to use of **advanced analytic techniques** against very large and diverse data sets
- f) **Drones** can be used for monitoring various sectors like agriculture, infrastructure projects, commerce and logistics etc.

# Data System Pillar (60%) - Data Security and HR Capacity (11%) – (1/3)

**Q1** - Does the MIS follow regular antivirus updates?

(Yes/No)

**'Yes' to be selected** if the scheme division uses regular antivirus updates for the MIS software/hardware as per NIC norms.

**Q2** - Is the MIS regularly assessed by third party auditors for the online security?

(Yes/No)

**'Yes' to be selected** if the scheme division gets regular security audit certificate for the MIS as per NIC norms.

**Q3** - Does the MIS/ website uses SSL certificate?

**'Yes' to be selected** if the scheme division has an SSL certificate for the MIS as per NIC norms

**Q4** - Is the SSL certificate at least 2048-bit SHA 256 encryption or higher?

(Yes/No)

**Q5** - Does the MIS use firewalls to secure access to data?

(Yes/No)

**'Yes' to be selected** if the scheme division uses firewalls for the MIS as per NIC norms.

# Data System Pillar (60%) - Data Security and HR Capacity (11%) – (2/3)

**Q6** - All external communication/ 3rd party integration/ API integration for the MIS is done through encrypted channel?  
(Yes/No/No external communication is established)

**Q7** - What measures are undertaken to secure sensitive/personally identifiable information? **Multi-select question**  
(Single factor/ multi-factor authentication / Access control list is maintained / Data is encrypted / Data is anonymized / No such data)

It is crucial to safeguard personal / sensitive data using following ways:

- A. **Access control** ensures **protection of personal data**.
- B. Systematic process of defining access levels for each dataset or module in the MIS.
- C. **Data Encryption** is a critical component of any **data protection strategy**.
- D. Through **Data anonymization**, personal data is altered so that data subject can no longer be identified directly.

**Q8** - How do you protect de-identified data from re-identification risks? **Multi-select question**  
(No efforts made / Tighter security for databases that store anonymized information / Implementation of Differential Privacy / Generation of Synthetic Data that exhibits the statistical properties of the raw data, without allowing real individuals to be identified / Others - provide details)

Protection of de-identified data can be achieved by:

- (i) instituting a stronger security system for databases that store anonymized information,
- (ii) implementation of differential privacy while sharing data for research purposes.
- (iii) generating and using synthetic data that exhibits statistical properties of raw data.



# Data System Pillar (60%) - Data Security and HR Capacity (11%) – (3/3)

**Q9** - Is permission taken from user to collect, store and use their personal data?

(Yes/No)

'Yes' to be selected if permission is taken from user before collecting, storing and using their personal data. Data subjects must also be informed about how their data is stored, exchanged and used.

**Q10** - Is there a dedicated data quality assessment and management team for the scheme?

(Yes/No)

'Yes' to be selected if there are dedicated human resources who **assess data quality** at regular intervals.

**Q11** - Is there a dedicated data analysis team for the scheme?

(Yes/No)

'Yes' to be selected if there are dedicated human resources at the division who **analyze data** at regular points of time.

# Data System Pillar (60%) - Data Management (3.78%) - (1/4)

**Q1** - Does the M/D have data management guidelines/architecture, explaining how generated data is to be processed, stored, exchanged, archived and destroyed?

**(Yes/No)** 'Yes' to be selected if the ministry has prepared such a document and following aspects are considered in the document (but not limited to):

- A. Data generation
- B. Data Processing
- C. Data exchange
- D. Data Storage, Archival and Destruction

**Q2** - Is there a dedicated senior-level officer responsible to check the compliance of the data management processes?

**(Yes/No)**

**'Yes' to be selected, if following aspects are implemented:**

- A. There is a dedicated officer to check compliance against the above-mentioned data management guidelines
- B. The officer regularly checks compliance via different mechanisms

**Q3** - Are data ownership norms clearly defined by the M/D?

**(Yes/No)** 'Yes' to be selected, if the ministry has prepared such a document and following aspects are considered in the document (but not limited to):

- A. Data owner(s) are identified:
- B. Data steward(s) are identified:
- C. Data custodian(s) are identified:
- D. Roles and responsibilities of data owners, stewards and custodians are clearly defined in the document.

# Data System Pillar (60%) - Data Management (3.78%) - (2/4)

**Q4** - Is there a framework for assessing the risk and value of all the data collected by the M/D?

(Yes/No)

'Yes' to be selected if a document has been prepared and following aspects are considered:

- A. Parameters to be used for **assessing the value** of any dataset collected
- B. Parameters to be used for **determining the risks** of any dataset collected
- C. Document the risks and value of all datasets collected

**Q5** - Is there a framework governing the ethical use of data, including the use of predictive algorithms, machine learning etc. by the M/D?

(Yes/No)

'Yes' to be selected if a document has been created covering following aspects (but not limited to):

- A. Mechanisms for ensuring that **personal data** is being collected only with due **consent**.
- B. Data subjects must also be informed about how their **personal data** is **stored, exchanged and used**. The document must state methods by which this information will be **transparently shared with the data subjects**.
- C. Mechanisms to **safeguard data privacy**.
- D. Purposes for which **personal data** can be **collected and ethically used**.
- E. Ways to ensure that the **purposes for which ML algorithms** are used are **shared with data subjects**.

# Data System Pillar (60%) - Data Management (7.02%) - (3/4)

**Q1** - Where is MIS data stored?

**(On separate servers for different schemes (distributed storage) / On central server which is used for all schemes)**

Scheme division to select the type of server on which scheme data is stored.

**Q2** - Are there mechanisms in place which can enable data sharing with other scheme divisions?

'Yes' to be selected if following aspects are implemented (but not limited to)

- A. Datasets and datapoints are identified to be exchanged with other datasets
- B. Unique identifiers are used for common fields in such datasets
- C. Data formats are harmonized in which these datasets are stored
- D. No manual exchange of data (either on paper or on e-file or email)
- E. Digital automated means are used for data sharing
- F. Tracking of data using a data exchange tracker

**Q3** - How is MIS data stored?

**(Physical servers / Cloud Storage / Hybrid servers)**

Cloud storage are preferred over physical servers.

# Data System Pillar (60%) - Data Management (7.02%) - (4/4)

**Q4** - Which cloud service is being used?

Scheme division to select the type of server on which scheme data is stored as per NIC norms.

**Q5** - How is historical MIS data managed?

**(Data is not backed up (i.e., it is destroyed) / Data is backed up and data is archived / Data history is well maintained including retention, destruction, and audit trail details)**

Scheme division to select the type of **archival strategy** used for historical data. Database should generate **audit trails** with detailed information.

# Synergistic data use within M/D (6%)

**Q1** - Based on data analysis, has the M/D identified data gaps at M/D level that need to be plugged in from decision making/ policy analysis perspectives?

**(Yes/No)** **'Yes' to be selected if following aspects are implemented :**

- A. Identify and document key indicators and form in which this data is required
- B. Document the indicators for which data is available/ not available in the needed format.

**Q2** - Has the M/D made any implementation plan to overcome these data gaps to aid in decision making?

**(Yes/No)**

**'Yes' to be selected if following aspects are implemented:**

- A. Ministry has identified if it can get data from some other data source where data is not available.
- B. Ministry has made timebound plan for data capturing mechanism to collect data at required granularity and frequency.

**Q3** - Has the M/D created any systems for ensuring that data systems across scheme divisions are integrated so that data from different scheme divisions is shared with each other?

**(Yes/No/In-progress/NA)**

- 'A. Identify datasets used by all divisions, datapoints to be exchanged among these datasets and by whom
- B. Develop and mandate use of unique identifiers for common fields in datasets, wherever necessary
- C. Harmonize the data formats in which all these datasets are stored
- D. Exchange of data among datasets via digital automated means
- E. Track data using a data exchange tracker
- F. Ensure data exchange is occurring while following MEITY's policies such as NDSAP (2012), Open API Policy, etc.

# Inter-agency data collaboration (6%)

**Q1** - Has the M/D collaborated with other agencies (other M/Ds, private agencies, research organizations etc.) for improving their data systems wherever possible?

(Yes/No/In-progress)

**'Yes' to be selected if following aspects are documented and implemented:**

- A. Identify external datasets from decision making perspective
- B. Agreements with agencies handling this external data for access to this data via **digital automated means**
- C. Tracking of external data using a **data exchange tracker**
- D. Ensure data exchange follows MEITY's policies such as NDSAP (2012), Open API Policy (2014) etc.

**Q2** - Has the M/D undertaken any of the following steps to drive these inter-agency data collaboration initiatives? **Multi-select question**

- a) **Sol, MoU, Partnerships with agencies**
- b) **API linking of MIS/Dashboards done to enable seamless data sharing between M/Ds**
- c) **Multiple data collection processes aimed at same target groups replaced by single synergistic process**
- d) **Integrated data storage/warehouses**
- e) **Collaboration with other M/Ds to use their data for developing own systems**
- f) **Collaboration with M/Ds to develop joint systems for data gathering/use of nonconventional data sources/emerging technologies**
- g) **Collaboration with private agencies for use of non-conventional data sources or emerging technologies**
- h) **Jointly conducting analysis using data from multiple M/Ds**
- i) **Partnerships/Collaborations for data security related measures**
- j) **Partnerships/Collaborations for capacity building of human resources**

# Prescriptive Analytics (2%)

**Q1** - Has the M/D gone beyond exploratory data analysis to cross-functional prescriptive analytics?

(Yes/In-progress/No)

'Yes' to be selected only if the ministry is undertaking advanced data analysis using multiple data sources to predict future outcomes and are deciding present actions based on these predictions.

**Q2** - How often is this being undertaken?

(Annually/Quarterly/Monthly)

**Q3** - What is the mode in which this is being practiced? **Multi-select question**

- a) Mechanisms for regular prescriptive data analysis reports to be prepared and shared with decision makers at the highest level have been instated
- b) Committee formed to hold policy review meetings/review reports at regular frequencies
- c) Regular policy review meetings involving all scheme divisions/sections institutionalized
- d) Emerging actionables are undertaken, documented and disseminated via a separate newsletter/report/document/order etc. and tracked regularly
- e) Others - Please specify how:

Ministry to select the modes/mechanisms by which they have **institutionalized prescriptive analytics**.

Second option to be selected if Ministry has formed a **committee of policymakers** to **review prescriptive analysis reports**.

Third option to be selected if the committee or any policymaker is **regularly holding meetings** to review prescriptive analysis reports

Fourth option to be selected if the **policy actionables** emerging from the third point are regularly documented and disseminated



# Good Practices (6%)

**Q1** - Describe the problem statement faced by the M/D. **(100 words)**

- a) Brief context of the scheme/ programme/ project for which the good practice is being implemented/ used
- b) Challenges faced by the ministry for which technology intervention was needed

**Q2** - Describe how the M/D has used and implemented data systems and analytics to address the issue to drive smart, near real-time and granular decisions **(100 words)**

- a) Technology intervention used?
- b) Issue/challenge it caters to?
- c) How is the issue/challenge resolved?
- d) Who uses it and how?
- e) Its features as per relevance

**Q3** - Explain the positive impact generated with supporting evidence that indicated such impact due to the solution implemented **(100 words)**

- a) Share the improvements in the outcome post implementation of the intervention.
- b) Overall contribution to improving scheme/departmental outcomes

# Data Driven Strategy Pillar (20%) – Data & Strategy Unit(10%) – (1/2)

**Q1** - Has the M/D constituted a Data & Strategy Unit (DSU) as a central unit for developing data strategy? (as per the D.O. letter from Advisor to PM dated

02.02.2021)

(Yes/No)

**Q2** - Who is the head of the DSU?

- a) AS and equivalent
- b) JS and equivalent
- c) Director and equivalent
- d) Below Director

**Q3** - Please select the verticals established under the DSU of your Ministry/Department. (as per the D.O. letter from Advisor to PM dated 02.02.2021)

- a) Monitoring Unit
- b) Statistics Unit
- c) Technology Unit
- d) Analytics Unit

# Data Driven Strategy Pillar (20%) – Data & Strategy Unit(10%) – (2/2)

**Q4** - Please provide the percentage of filled posts in DSU

Unit	Enter % of posts filled up
Monitoring Unit	
Statistics Unit	
Technology Unit	
Analytics Unit	
Total	

**Q5** - Is the terms of reference (ToR) for all units within DSU well defined and documented by the M/D to lay down their scope of work?

**(Yes/No/Partial)**

**Q6** - Have any regular review meeting mechanisms at the level of the head of DSU and/or the Secretary been established for regular review of the work undertaken by the DSU (including implementation of action plan)?

**(Yes/No)**

**Q7** - What is the frequency of regular review meetings/review reports?

**a) Daily**

**b) Weekly**

**c) Fortnightly**

**d) Monthly**

**e) Quarterly**

**f) Annually**

# Data Driven Strategy Pillar (20%) – Action Plan (10%)

**Q1** - Has the M/D framed an action plan to improve its data preparedness levels? (as per the D.O. letter from Advisor to PM dated 02.02.2021)

**(Yes/No)**

**Q2** - Does the action plan have all the sections as per the outline shared with all M/Ds? (As per D.O. letter from Advisor to PM on 02.02.2021)

**(Yes/No/Partially)**

**Q3** - Does the action plan include data strategy for all CS/CSS schemes of the M/D?

**(Yes/No/Partially)**

**Q4** - Are clear timelines for each action point identified under the strategy?

**(Yes/No/Partially)**

**Q5** - Are the responsibilities for each action point clearly allocated to respective divisions for ensuring accountability?

**(Yes/No/Partially)**

**Q6** - Upload the action plan in PDF format.

# Action plan format

File Home Insert Page Layout Formulas Data Review View Help Power Pivot KPMG

Clipboard Font Alignment Sensitivity Number Styles Cells Editing Analysis

Comments Share

L23

	A	B	C	D	E	F	G	H	I	J	K	L	M
	Sr.No	Strategy Action Point	Theme	Ministry Name	Original Expected Date of Completion	Revised Expected Date of Completion	Delayed By (Days)	Status	Responsible Person	Designation	Document View / Upload		
1													
2	1												
3	2												
4	3												
5	4												
6	5												
7													
8													
9													
10													
11													
12													
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16													
17													
18													
19													
20													
21													
22													
23													

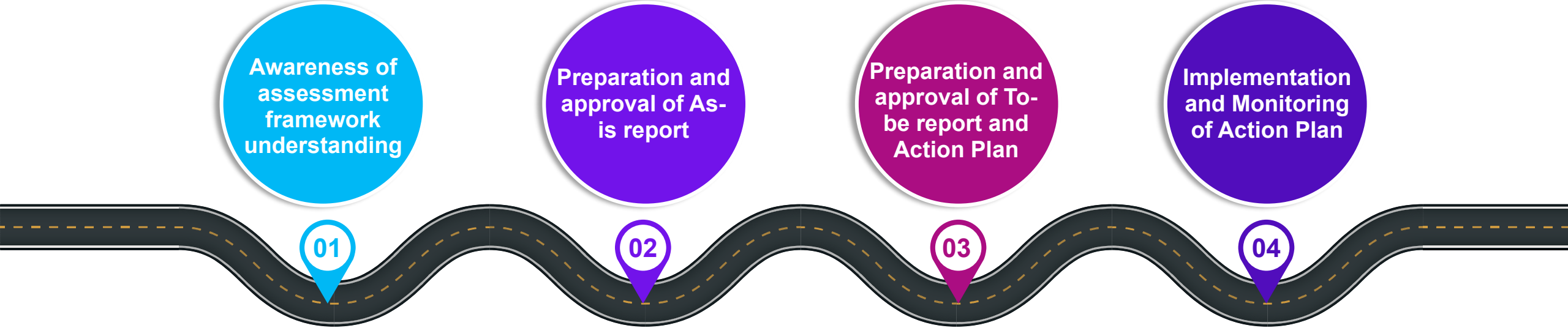
strategy-action-points (1) Zoom In

Ready Accessibility: Unavailable 85%

# 04

## Q&A and Way Ahead

# Way Forward



# Key points as per current status

**Below documents to be created at scheme level :-**

- **Data requirements document with the below defined :**
  - **Input, Output and Outcome data points**
  - **Granularity and Frequency of data collected**
  - **Mode and method of data collection**
- **Data quality document with the below protocols defined:**
  - **Data Validation**
  - **Data Filtering**
  - **Summary Statistics for tracking abnormalities in data**
  - **Data deduplication**
  - **Frequency of data quality assessment**
  - **Types of backchecks for incoming data**



**05**

User Manual

# Links to DGQI portal and Training Videos



Link to DGQI Portal:-

[Link](#)

**Training Video 1:-**  
Register and login on  
DGQI Dashboard

[Link](#)



**Training Video 2:-**  
DGQI Dashboard  
Home page features  
for viewing  
performance

[Link](#)

**Training Video 3:-**  
View detailed  
performance on DGQI

[Link](#)



**Training Video 4:-**  
Use DGQI Dashboard  
Modules for filling  
questionnaire, adding  
schemes, adding  
users, approving  
requests and other  
features

[Link](#)

## Registration

Enter site URL <https://dgqi.gov.in/> in browser press enter key.

Login screen will be displayed.

**Data Governance Quality Index**

**Log in**  
Please fill your information below

Enter Email ID

Enter Password

Captcha: P P 4 6 J

**LOGIN** **SSO WITH PARICHAY**

For support, contact us at [dgqi-dmeo-niti@gov.in](mailto:dgqi-dmeo-niti@gov.in)

**Training Material** **Forgot Password?**

Not a member? **Register**

**NIC** National Informatics Centre

M/D Data Entry can register themselves in the system following the below process.

There are two type of registration, that can be done in the system as below:

1. Normal Registration
2. Registration through Parichay

For **Normal Registration**, below process will have to be followed.

Click [Register](#) (as shown in the below image) to register into DGQI website.

**User Registration**  
Please fill your information below

**Name \***

**Email ID \***

**Mobile No \***

**OTP Verification \***  **SEND OTP**

**Password \***  **Confirm Password \***

**Organization Type**

**Designation \***

**Organization Name**

**User Role**

**Captcha \***

**REGISTER** **BACK TO LOGIN**

Click to register into DGQI website

Click to go to login page

Enter following details:

- Name: Enter name
- Email ID: Enter email address
- Mobile No: Enter mobile number
- OTP Verification: Enter OTP received on your mobile number
  - Click **SEND OTP** to send OTP
- Password: Enter password
- Confirm Password: Enter confirm password
- Organization Type: Select organization type from dropdown
- Designation: Select designation from dropdown
- Organization Name: Select organization name
- User Role: Select user role from dropdown
- Enter Captcha ode as displayed
- Click **REGISTER**
- Click **BACK TO LOGIN** to go to login page

For **Registration Through Parichay**, below process will have to be followed.

**Data Governance Quality Index**

**Log in**  
Please fill your information below

Enter Email ID

Enter Password

Captcha: P P 4 6 J

[LOGIN](#) [SSO WITH PARICHAY](#)

For support, contact us at [dgqi-dmeo-niti@gov.in](mailto:dgqi-dmeo-niti@gov.in)

[Training Material](#) [Forgot Password?](#)

Not a member? [Register](#)

NIC National Informatics Centre

Click here for Registration through Parichay

- Click [SSO WITH PARICHAY](#)
- Provide NIC email id (.nic/.gov/.govcontractor) and password in the below screen.

Powered by: **NIC** National Informatics Centre

**PARICHAY**  
Single Sign-On App

Welcome, Please sign-in

Enter User Name eg. userid@domain.in

Enter Password

[Update Profile](#) [Forgot Password](#) [NEXT](#)

Scan this QR Code to download Parichay Authentication App.  
[Click Here](#) for more details.

**NIC SERVICES**

Select details from the below screen :

- Organization Type: Select organization type from dropdown
- Organization Name: Select organization name
- User Role: Select user role from dropdown

The screenshot shows a web form titled "LDAP User Registration" under the heading "Data Governance Quality Index". The form is for the National Informatics Centre (NIC). It contains the following fields and elements:

- Name:** Garima Sogani
- Email:** garima.sogani@nic.in
- Phone:** 91 [redacted]
- Organization Type:** Scientist-E
- Organization Name:** [redacted]
- User Role:** [redacted]
- Captcha:** Y J J 6 U
- Buttons:** LDAP REGISTER and CANCEL

- Click **LDAP REGISTER**
- Registration request will be sent to Ministry of Tourism - **Admin** for approval.

## Login

Enter site URL- <https://dgqi.gov.in/> in browser press enter key.

Login screen will be displayed.

**Data Governance Quality Index**

**Log in**  
Please fill your information below

Enter Email ID

Enter Password

Captcha: P P 4 6 J

**LOGIN** **SSO WITH PARICHAY**

For support, contact us at [dgqi-dmeo-niti@gov.in](mailto:dgqi-dmeo-niti@gov.in)

**Training Material**

Not a member? Register

- Enter user ID and password
- Enter CAPTCHA code as displayed
- Click [Forgot Password?](#) link in case of forgotten password.
- Click **LOGIN** to sign in into DGQI
- Click **Training Material** to view the website of DMEO

Note: The above log-in process will be same for all users (M/D Admin, M/D Data Entry) who have done Normal Registration.

For all users who have Registered Through Parichay, users may follow below steps:

- Click **SSO WITH PARICHAY** to sign in
- Users will be redirected to the Parichay log-in screen as below

The screenshot displays the Parichay login interface. On the left, a QR code is provided for downloading the Parichay Authentication App, with the text: "Scan this QR Code to download Parichay Authentication App. [Click Here](#) for more details." On the right, the login form is titled "Welcome, Please sign-in" and includes the following elements: a "HELP?" button, the Parichay logo with the tagline "Single, Simplest, Safe", a text input field for "Enter User Name eg. userid@domain.in", a password input field with a visibility toggle, links for "Update Profile" and "Forgot Password", and a blue "NEXT" button with a right arrow. The bottom of the interface features the "NIC SERVICES" logo. The top right corner indicates the page is "Powered by: NIC National Informatics Centre".

- User will use their NIC email ids (.nic/.gov/. govcontractor) and password to log-in to the DGQI Dashboard.



## 5 Questionnaires

- 5.1.1 Part A & B Questionnaires Response: The questionnaires response filled by M/D's Data Entry User for Part A and B will go to M/D's Admin for review and approval / rejection.  
Path: Dashboard >> Questionnaires

### Part A.

The screenshot shows the 'Questionnaires' interface for 'Part A'. At the top, there are navigation tabs for 'Part A', 'Part B - CS/CSS', and 'Part B - NSI'. Below these are two dropdown menus for 'Select Year' and 'Select Quarter'. A 'Print' button is located to the right of these dropdowns. Below the dropdowns is a 'Note' field and a 'Status: NA, Cut Off date: N' label. The main content area is titled 'Part A' and contains a list of sections: A. Background Information, B. Data & Strategy Unit, C. Action Plan, D. Data Management, E. Synergistic data use within the M/D, F. Inter-Agency Data Collaboration, G. Prescriptive Analytics, and H. Good Practices. At the bottom, there are two buttons: 'Submit & Proceed to Part B CS/CSS' and 'Save As Draft'.

Home Detailed Performance +

Dashboard > Questionnaires

Part A Part B - CS/CSS Part B - NSI

Select Year --- Select year --- Select Quarter --- Select Quarter ---

Please Note:- Please submit Part A ONLY after all changes in the Strategy Tracking Table have been approved by the M/D Admin. Ensure that correct compliance percentage is calculated under Section C (A) 2017.

Note: Change Status: NA, Cut Off date: N Print

Part A

A. Background Information

B. Data & Strategy Unit

C. Action Plan

D. Data Management

E. Synergistic data use within the M/D

F. Inter-Agency Data Collaboration

G. Prescriptive Analytics

H. Good Practices

Submit & Proceed to Part B CS/CSS Save As Draft

Click Print print button to print questionnaires.

Select Year and Quarter from the Dropdown shown above.

Click Here to Select Part A.

Click Submit Button to Submit Part A response to M/D's Admin.

Click Save As Draft Button to save questionnaires response as a draft.

Click to print questionnaires response

Click to submit part A questionnaires response to M/D's Admin and Proceed to Part B

Click Here to Save Questionnaires response as Draft

## Part B(CS/CSS)


The screenshot shows the 'Part B(CS/CSS)' questionnaire interface. At the top, there are three tabs: 'Part A', 'Part B - CS/CSS' (selected), and 'Part B - NSI'. Below the tabs are three dropdown menus: '2021', 'Q3', and 'QC-Central Sector Scheme'. A note states: 'Note: Changes are allowed in Draft Mode Only. Part B - CS/CSS'. The main content area is titled 'A. Data Generation' and contains a table with the following rows:


Note: Changes are allowed in Draft Mode Only. Part B - CS/CSS		
2	Is data collected for all identified data requirements?	<input type="radio"/> Yes <input type="radio"/> No
	a. Input Data Points	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Partial
	b. Output Data Points	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Partial
	c. Outcome Data Points	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Partial
3	Is collected data reported digitally? (i.e. is there is a digital electronic database/MIS)?	<input type="radio"/> Yes Please Provide Link, Username and password <input type="radio"/> No i.e. On paper only


Below the table are six expandable sections: 'B. Data Quality', 'C. Data Analysis, Use and Dissemination', 'D. Use of Technology', 'E. Data Security and HR Capacity', and 'F. Data Management'. At the bottom, there are two buttons: 'Submit & Proceed to Part B NSI' and 'Save As Draft'.

Callouts in the image point to the following elements:

- Click to print questionnaires response (points to the Print button)
- Select Part B CS/CSS (points to the Part B - CS/CSS tab)
- Select Year (points to the 2021 dropdown)
- Select Quarter (points to the Q3 dropdown)
- Select Scheme (points to the QC-Central Sector Scheme dropdown)
- Click to submit part B CS/CSS questionnaires response to M/D's Admin and proceed to part B NSI (points to the Submit & Proceed to Part B NSI button)
- Click Here to Save Questionnaires response as Draft (points to the Save As Draft button)

Click  print button to print questionnaires response.


Click  Submit button to send Part B (CS/CSS) questionnaires response to M/D's Admin.


Click  Save As Draft Button to save questionnaires response as a draft.


Note: Once M/D data entry user submit the questionnaires response, he/she would not be able to change it. Changes in the responses are allowed in draft mode only.

## Part B(NSI)

The screenshot shows the 'Part B(NSI)' questionnaire interface. At the top, there is a breadcrumb 'Dashboard > Questionnaires'. Below this is a navigation bar with a 'Print' button and three tabs: 'Part A', 'Part B - CS/CSS', and 'Part B - NSI'. The 'Part B - NSI' tab is selected. Below the navigation bar are three dropdown menus: '2021' (labeled 'Select Year'), 'Q1' (labeled 'Select Quarter'), and 'Air Transport data' (labeled 'Select Scheme'). Below these are several blue bars representing questionnaire sections: 'A. Data Generation', 'B. Data Quality', 'C. Data Analysis, Use and Dissemination', 'D. Use of Technology', 'E. Data Security and Privacy', and 'F. Data Management'. At the bottom, there are two buttons: 'Submit' and 'Save As Draft'. A callout points to the 'Submit' button with the text 'Click to submit part B NSI questionnaires response to M/D's Admin'. Another callout points to the 'Save As Draft' button with the text 'Click to save questionnaires response as a draft'. A callout points to the 'Print' button with the text 'Click to print questionnaires response'. A callout points to the 'Part B - NSI' tab with the text 'Select Part B'.

Click  print button to print questionnaires response.

Click  Submit button to send Part B (NSI) questionnaires response to M/D's Admin.

Click  Save As Draft Button to save questionnaires response as a draft.

Note: Once M/D data entry user submit the questionnaires response, he/she would not be able to change it. Changes in the responses are allowed in draft mode only.

Dashboard > Questionnaires

Print Part A Part B - CS/CSS Part B - NSI

2021 Q1

**Enter following details:**

- Year: Select year from dropdown
- Quarter: Select quarter from dropdown

### 5.1.2.1 A. Background information

A. Background information

1.	Ministry / Department(M/D) Name:	QC -Labour and Employment	Labour and E
2.	Name of the Central Sector (CS) Schemes of the M/D:	Enter Schedule Full Name	
3.	Name of Centrally Sponsored Schemes(CSS) of the M/D:	Enter CSS Full Name	
4.	Please enter any other non-schematic intervention (NSI) to be included for DGQI self-assessment	Enter NSI Full Name	
5.	Details of the nodal officer responsible for verifying authenticity of information provided in this form:		
	a. Name:	LB and EMP Data Entry	
	b. Designation	QC Data Entry	
	C. Nodal Email	dataentry_lb@mailinator	
6.	Details of the Contact Person filling this form:		
	a. Name:	LB and EMP Data Entry	
	b. Designation	QC Data Entry	
	C. Contact Email	dataentry_lb@mailinator	
	d. Contact Mobile	9858748595	

- Ministry / Department(M/D) Name will be displayed automatically
- Name of the Central Sector (CS) Schemes of the M/D: Enter scheme full name
- Name of Centrally Sponsored Schemes(CSS) of the M/D: Enter CSS full name
- Please enter any other non-schematic intervention (NSI) to be included for DGQI self- assessment: Enter NSI full name
- Details of the nodal officer responsible for verifying authenticity of information provided in this form:
  - Name will be displayed automatically
  - Designation will be displayed automatically
  - Nodal Email will be displayed automatically
- Details of the Contact Person filling this form:
  - Name will be displayed automatically
  - Designation will be displayed automatically
  - Contact Email will be displayed automatically based on the information you have filled at the time of registration
  - Contact Mobile will be displayed automatically based on the information you have filled at the time of registration

### 5.1.2.2 B. Data & Strategy Unit

B. Data & Strategy Unit		
1	Has the M/D constituted a Data & Strategy Unit (DSU) as a central unit for developing data strategy? (as per the D.O. letter from Sh. Bhaskar Khulbe, Advisor to PM dated 02.02.2021)	<input checked="" type="radio"/> Yes <input type="radio"/> No
2	(Respond if answer to 1 is 'yes', else skip this question) Who is the head of the DSU?	<input type="radio"/> AS <input checked="" type="radio"/> JS <input type="radio"/> Director <input type="radio"/> Below Director
3	Please select the verticals established under the DSU of your Ministry/Department for the D.O. letter from Sh. Bhaskar Khulbe, Advisor to PM dated 02.02.2021)	<input checked="" type="checkbox"/> Monitoring Unit <input checked="" type="checkbox"/> Statistics Unit <input type="checkbox"/> Technology Unit <input checked="" type="checkbox"/> Analytics Unit
4	Please provide the percentage of filled posts in DSU (number of posts filled up/ number of posts created by the Ministry/Department for the DSU) in the below provided table:	Monitoring Unit <input type="text" value="50"/> Statistics Unit <input type="text" value="0.00"/> Technology Unit <input type="text" value="0.00"/> Analytics Unit <input type="text" value="62"/> Total <input type="text" value="37.33"/>
5	Is the terms of reference (ToR) for all units within DSU well defined and documented by the M/D to lay down their scope of work?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Partial (to be selected if ToR development is in progress)
6	Have any regular review meeting mechanisms at the level of the head of DSU and/or the Secretary been established for regular review of the work undertaken by the DSU ?	<input checked="" type="radio"/> Yes <input type="radio"/> No
7	(Respond if answer to 6 is yes, else skip this question) What is the frequency of regular review meetings/review reports?	<input type="radio"/> Daily <input type="radio"/> Weekly <input type="radio"/> Fortnightly <input type="radio"/> Monthly <input type="radio"/> Quarterly <input type="radio"/> Annually

On mouse hover questionnaires details will be displayed.

Constitution refers to establishing the unit, hence, even if its staffing is ongoing, M/Ds can select 'yes' if they have established the admin structure of the unit and some members have been assigned to it. update

#### Enter following details:

- Has the M/D constituted a Data & Strategy Unit (DSU) as a central unit for developing data strategy? (as per the D.O. letter from Sh. Bhaskar Khulbe, Advisor to PM dated 02.02.2021)
  - If you click  Yes radio button, then further questionnaires will be displayed
  - If you click  No radio button, then no further questionnaires will be displayed
- (Respond if answer to 1 is 'yes', else skip to Q1 of next section) Who is the head of the DSU?
  - Click  radio button to select your answer AS, JS, Director, or Below Director
- Please select the verticals established under the DSU of your Ministry/Department. (as per the D.O. letter from Sh. Bhaskar Khulbe, Advisor to PM dated 02.02.2021)
  - Check  checkbox to select Monitoring Unit, Statistics Unit, Technology Unit, or Analytics Unit
- Please provide the percentage of filled posts in DSU (number of posts filled up/ number of posts created by the Ministry/Department for the DSU) in the below provided table:
- Monitoring Unit: Enter monitoring unit
- Statistics Unit will be displayed automatically
- Technology Unit will be displayed automatically
- Analytics Unit will be displayed automatically
- Total will be displayed automatically
- Is the terms of reference (ToR) for all units within DSU well defined and documented by the M/D to lay down their scope of work?
  - Click  radio button to select Yes, no, or Partial (to be selected if ToR development is in progress)
- Have any regular review meeting mechanisms at the level of the head of DSU and/or the Secretary been established for regular review of the work undertaken by the DSU?
  - If you click  Yes radio button, then further questionnaires will be displayed
  - If you click  No radio button, then no further questionnaires will be displayed
- (Respond if answer to 6 is yes, else skip this question) What is the frequency of regular review meetings/review reports?
  - Click  radio button to select Daily, Weekly, Fortnightly, Monthly, Quarterly, or Annually

### 5.1.2.3 C. Action Plan

C. Action Plan		
1	Has the M/D framed an action plan to improve its data preparedness levels? (as per the D.O. letter from Sh. Bhaskar Khulbe, Advisor to PM dated 02.02.2021)	<input checked="" type="radio"/> Yes <input type="radio"/> No
2	(Respond if answer to 1 is yes, else skip to Q1 of next section) Does the action plan have all the sections as per the outline shared with all M/Ds? (As per D.O. letter from Sh. Bhaskar Khulbe, Advisor to PM on 02.02.2021)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Partially
3	Does the action plan include data strategy for all CS/CSS schemes of the M/D?	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Partially (Some schemes included)
4	Are clear timelines for each action point identified under the strategy?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Partially (For some actions)
5	Are the responsibilities for each action point clearly allocated to respective divisions for ensuring accountability?	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Partially (For some actions)
6	Please upload the action plan in PDF format.	Download File (Upload PDF, Doc or Image, Max File Size:5MB) <input type="button" value="Choose File"/> No file chosen
7	Please enter the action points in the attached excel template. Scores are based on exhaustiveness (number of action points per scheme) and timely completion/compliance on the action points against the timelines set by the D.O. will get auto-calculated and displayed here.	Strategy Action Point Compliance Percentage 100.00 <a href="#">Edit Action Points</a> <input type="button" value="Refresh"/> (Please refresh and save if any change in strategy action points)

#### Enter following details:

- Has the M/D framed an action plan to improve its data preparedness levels? (as per the D.O. letter from Sh. Bhaskar Khulbe, Advisor to PM dated 02.02.2021):
  - If you click  Yes radio button, then further questionnaires will be displayed
  - If you click  No radio button, then no further questionnaires will be displayed
- (Respond if answer to 1 is yes, else skip to Q1 of next section) Does the action plan have all the sections as per the outline shared with all M/Ds? (As per D.O. letter from Sh. Bhaskar Khulbe, Advisor to PM on 02.02.2021):
- Click  radio button to select Yes, No, or Partially
  - If you select partially, you need to specify it
- Does the action plan include data strategy for all CS/CSS schemes of the M/D?
  - Click  radio button to select Yes, No, or Partially (Some schemes included)
  - If you select partially, you need to specify it
- Are clear timelines for each action point identified under the strategy?
  - Click  radio button to select Yes, No, or Partially (For some actions)
- Are the responsibilities for each action point clearly allocated to respective divisions for ensuring accountability?
  - Click  radio button to select Yes, No, or Partially (For some actions)
- If you select partially, you need to specify it
- Please upload the action plan in PDF format:
  - Click  to upload action plan PDF
- Please edit the action points by clicking on [Edit Action Points](#) link and update the status of action points listed under the M/D as applicable.
  - Click  to refresh all changes

### 5.1.2.4 D. Data Management

D. Data Management		
1	Are there data management guidelines/architecture , explaining how generated data is to be processed, stored, exchanged, archived and destroyed?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="text" value="Please Specify"/>
2	(Respond if answer to in 1 is 'yes', else skip this question) Is there a dedicated senior-level officer responsible to check the compliance of the data management processes?	<input type="radio"/> Yes <input type="radio"/> No
3	Are data ownership norms clearly defined?	<input type="radio"/> Yes <input checked="" type="radio"/> No
4	Is there a framework for assessing the risk and value of all the data collected by the M/D?	<input type="radio"/> Yes <input checked="" type="radio"/> No
5	Is there a framework governing the ethical use of data , including the use of predictive algorithms, machine learning etc. by the M/D?	<input type="radio"/> Yes <input checked="" type="radio"/> No

#### Enter following details:

- Are there data management guidelines/architecture, explaining how generated data is to be processed, stored, exchanged, archived and destroyed?
  - If you click  Yes radio button, then you need to specify it
  - Click  No radio button to select answer no
- Are data ownership norms clearly defined?
  - Click  Yes radio button to select answer yes
  - Click  No radio button to select answer no
- Is there a framework for assessing the risk and value of all the data collected by the M/D?
  - If you click  Yes radio button, then you need to specify it
  - Click  No radio button to select answer no
- Is there a framework governing the ethical use of data, including the use of predictive algorithms, machine learning etc. by the M/D?
  - If you click  Yes radio button, then you need to specify it
  - Click  No radio button to select answer no

### 5.1.2.5 E. Synergistic data use within the M/D

E. Synergistic data use within the M/D		
1	Based on data analysis, has the M/D identified data gaps at M/D level that need to be plugged in from decision making/policy analysis perspectives?	<input type="radio"/> Yes <input checked="" type="radio"/> No
3	Has the M/D created any systems for ensuring that data systems across scheme divisions are integrated so that data from different scheme divisions is shared with each other?	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> In progress <input checked="" type="radio"/> N/A <input type="text" value="Please Specify"/>

#### Enter following details:

- Based on data analysis, has the M/D identified data gaps at M/D level that need to be plugged in from decision making/policy analysis perspectives?
  - If you click  Yes radio button, then you need to specify it
  - Click  No radio button to select answer no
- (Respond if answer to 1 is yes, else skip this question) Has the M/D made any implementation plan to overcome these data gaps to aid in decision making?
  - If you click  Yes radio button, then you need to specify it
  - Click  No radio button to select answer no
- Has the M/D created any systems for ensuring that data systems across scheme divisions are integrated so that data from different scheme divisions is shared with each other?
- Click  radio button to select Yes, No, In progress, or N/A
  - If you select Yes or N/A, you need to specify it



### 5.1.2.6 F. Inter-Agency Data Collaboration

F. Inter-Agency Data Collaboration		
1	Has the M/D collaborated with other agencies (other M/Ds, private agencies, research organizations etc.) for improving their data systems wherever possible?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> In progress
2	(Respond if answer to 1 is yes, else skip this question) Has the M/D undertaken any of the following steps to drive these inter-agency data collaboration initiatives ?	<input checked="" type="checkbox"/> Sol, MoU, Partnerships with agencies <input type="checkbox"/> API linking of MIS/Dashboards done to enable seamless data sharing between M/Ds <input type="checkbox"/> Multiple data collection processes aimed at same target groups replaced by single synergistic process <input type="checkbox"/> Integrated data storage/warehouses <input type="checkbox"/> Collaboration with other M/Ds to use their data for developing own systems <input type="checkbox"/> Collaboration with M/Ds to develop joint systems for data gathering/use of non-conventional data sources/emerging technologies <input type="checkbox"/> Collaboration with private agencies for use of non-conventional data sources or emerging technologies <input type="checkbox"/> Jointly conducting analysis using data from multiple M/Ds <input type="checkbox"/> Partnerships/Collaborations for data security related measures <input type="checkbox"/> Partnerships/Collaborations for capacity building of human resources <input type="checkbox"/> Others - Please specify :

#### Enter following details:

- Has the M/D collaborated with other agencies (other M/Ds, private agencies, research organizations etc.) for improving their data systems wherever possible?
  - If you click  Yes radio button, then further questionnaires will be displayed
  - If you click  No radio button, then no further questionnaires will be displayed
- (Respond if answer to 1 is yes, else skip this question) Has the M/D undertaken any of the following steps to drive these inter-agency data collaboration initiatives?
  - Check  checkbox to select your answer
  - If you check Others  checkbox, then you need to specify it

### 5.1.2.7 Prescriptive Analytics

G. Prescriptive Analytics		
1	Has the M/D gone beyond exploratory data analysis to cross-functional prescriptive analytics ?	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> In progress

#### Enter following details:

- Has the M/D gone beyond exploratory data analysis to cross-functional prescriptive analytics?:
  - If you click  Yes radio button, then further questionnaires will be displayed
  - If you click  No radio button, then no further questionnaires will be displayed
  - If you select  In progress , then you need to specify it
- (Respond if answer to 1 is yes, else skip this question) How often is this being undertaken?
  - Click  radio button to select Annually, Quarterly, or Monthly
- (Respond if answer to 1 is yes, else skip this question) What is the mode in which this is being practiced?
  - Check  Mechanisms for regular prescriptive data analysis reports to be prepared and shared with decision makers at the highest level have been instated checkbox to select answer
  - Check  Committee formed to hold policy review meetings/review reports at regular frequencies checkbox to select answer
  - Check  Regular policy review meetings involving all scheme divisions/sections institutionalized checkbox to select answer
  - Check  Emerging actionables are undertaken, documented and disseminated via a separate newsletter/report/document/order etc. and tracked regularly to select answer
  - Check  Others - Please specify how: to select answer
  - If you check  Others checkbox, you need to specify it

### 5.1.2.8 Good Practices

**H. Good Practices**

1 Good Practice 1

a. Describe the problem statement faced by the M/D. (100 words)

problem statement

Upload File **Choose File** to file chosen **Click to upload file**

b. Describe how the M/D has used and implemented data systems and analytics to address the issue to drive smart, near real-time and granular decisions. (100 words)

M/D has used and implemented data systems

Upload File **Choose File** to file chosen **Click to upload file**

c. Explain the positive impact generated with supporting evidence that indicated such impact due to the solution implemented. (100 words)

Upload File **Choose File** to file chosen **Click to upload file**

2 Good Practice 2

a. Describe the problem statement faced by the M/D. (100 words)

problem statement faced by M/D

Upload File **Choose File** to file chosen **Click to upload file**

b. Describe how the M/D has used and implemented data systems and analytics to address the issue to drive smart, near real-time and granular decisions. (100 words)

problem statement faced by M/D

Upload File **Choose File** to file chosen **Click to upload file**

c. Explain the positive impact generated with supporting evidence that indicated such impact due to the solution implemented. (100 words)

Impact generated with supporting evidence that indicated such impact due to

Upload File **Choose File** to file chosen **Click to upload file**

3 Good Practice 3

a. Describe the problem statement faced by the M/D. (100 words)

Impact generated with supporting evidence that indicated such impact due to

Upload File **Choose File** to file chosen **Click to upload file**

b. Describe how the M/D has used and implemented data systems and analytics to address the issue to drive smart, near real-time and granular decisions. (100 words)

Impact generated with supporting evidence that indicated such impact due to

Upload File **Choose File** to file chosen **Click to upload file**

c. Explain the positive impact generated with supporting evidence that indicated such impact due to the solution implemented. (100 words)

Impact generated with supporting evidence that indicated such impact due to

Upload File **Choose File** to file chosen **Click to upload file**

**Click to save questionnaires as draft**

**Click to submit and proceed to part B CS/CSS**

**Submit & Proceed to Part B CS/CSS** **Save As Draft**

#### Enter following details:

- Good Practice 1: Enter good practices 1
  - Click **Choose File** to upload file
- Good Practice 2: Enter good practices 2
  - Click **Choose File** to upload file
- Good Practice 3: Enter good practices 3
  - Click **Choose File** to upload file
- Click **Submit & Proceed to Part B CS/CSS** to submit and process part B CS/CSS
- Click **Save As Draft** to save questionnaires as a draft

Note: You can only save form in draft mode

Note: Similarly Part B questionnaire Response will be submitted as per the options available

### 5.1.3 Part B-CS/CSS

Dashboard » Questionnaires

[Print](#) [Part A](#) [Part B - CS/CSS](#) [Part B - NSI](#)

2021 ▼ Q2 ▼ QC-Central Sector Scheme ▼

**Enter following details:**

- Year: Select year from dropdown
- Quarter: Select quarter from dropdown
- Scheme Name: Select scheme name from dropdown

### 5.1.3.1 A.Data Generation

A. Data Generation		
1	Are the data requirements of the scheme well defined and documented?	<input checked="" type="radio"/> Yes <input type="radio"/> No
2	Is data collected for all identified data requirements?	
	a. Input Data Points	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Partial
	b. Output Data Points	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Partial
	c. Outcome Data Points	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Partial
3	Is collected data reported digitally? (i.e. is there is a digital electronic database/MIS)?	<input checked="" type="radio"/> Yes Please Provide Link, Username and password <div style="border: 1px solid black; padding: 2px; margin: 5px 0;">             Link:              Username:              Password:           </div> <input type="radio"/> No i.e. On paper only

Enter following details:

- Are the data requirements of the scheme well defined and documented?
  - Click  Yes radio button to select answer as yes
  - Click  No radio button, to select answer as no
- Is data collected for all identified data requirements?
  - Click  Yes radio button to select answer as yes
  - Click  No radio button, to select answer as no
  - Click  Partial radio button to select answer as partial
- Is collected data reported digitally? (i.e. is there is a digital electronic database/MIS)?
  - If you click  Yes radio button, then you need to enter following details:
    - Link: Enter link
    - Username: Enter username
    - Password: Enter password
  - Click  No i.e. On paper only

4	(Respond if answer to 3 is 'Yes', else skip to 1 of Q1 of data quality section) At what granularity is data reported digitally for the scheme?	
	a. At the M/D (National)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
	b. State	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
	c. District / City	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
	d. Sub-District / Tehsil	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
	e. Block	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
	f. Village	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
	g. Individual	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
	h. Project	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA

- (Respond if answer to 3 is 'Yes', else skip to 1 of Q1 of data quality section) At what granularity is data reported digitally for the scheme?
  - Click  Yes radio button to select answer as yes
  - Click  No radio button, to select answer as no
  - Click  NA radio button to select answer as not applicable

5	At what frequency is data reported digitally for the scheme?	
	a. Realtime or near realtime	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> NA
	b. Daily	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
	c. Weekly/Fortnightly	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
	d. Monthly	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
	e. Quarterly	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
	f. Half-yearly	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
	g. Yearly	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA

6	How is this data collected at the ground level ?	<input type="radio"/> Collected on paper by human resources and then fed on digital systems <input checked="" type="radio"/> Collected using digital modes (tablets/phones etc.) by human resources <input type="radio"/> Transactional data
7	Respond if answer to 6 is 'second/third option', else skip this question) Are any of the following technologies used?	
	a. CAPI Surveys	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
	b. Geotagged information	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
	c. Geofenced information	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
	d. Others - Please specify which technology	<input type="text"/>

- At what frequency is data reported digitally for the scheme?
  - Click  Yes radio button to select answer as yes
  - Click  No radio button, to select answer as no
  - Click  NA radio button to select answer as not applicable
- How is this data collected at the ground level?
  - Click  radio button to select your answer
- Respond if answer to 6 is 'second/third option', else skip this question) Are any of the following technologies used?
  - Click  Yes radio button to select answer as yes
  - Click  No radio button, to select answer as no
  - Click  NA radio button to select answer as not applicable
- Others - Please specify which technology: Specify technology name

### 5.1.3.2 B. Data Quality

B. Data Quality		
1	Are there pre-defined documented mechanisms to assess quality of incoming data	<input checked="" type="radio"/> Yes <input type="radio"/> No
2	How is data quality assessment done?	<input checked="" type="radio"/> Automatically <input type="radio"/> Manually <input type="radio"/> Hybrid <input type="radio"/> Not done
3	(Respond if answer to 2 is not "not done", else skip to Q1 of next section) Are following protocols followed during data quality assessment?	
	a. Incoming data is filtered/cleaned after checking for missing values, logical flaws in data, incorrect values etc.	<input checked="" type="radio"/> Yes <input type="radio"/> No
	b. Summary statistics of incoming data are generated and checked for errors/abnormalities	<input checked="" type="radio"/> Yes <input type="radio"/> No
	c. Existence and accuracy of metadata for all the scheme's data is periodically checked ( Schema is well defined)	<input checked="" type="radio"/> Yes <input type="radio"/> No
	d. There is a system for identifying duplicate data and removing redundancies	<input checked="" type="radio"/> Yes <input type="radio"/> No
	e. There is a system to ensure data is accurate, consistent and traceable to origin/source, whenever it is reproduced by any agency (data integrity)	<input checked="" type="radio"/> Yes <input type="radio"/> No
4	Are following feedback mechanisms/backchecks also leveraged for data quality control?	
	a. Social audits	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
	b. Telephonic backchecks/verification with beneficiaries	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> NA
	c. Multimedia data – citizen voice, video, images as evidence	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
	d. Sample inspections based on data	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> NA
	e. Third party data verification/ data audits	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> NA

Enter following details:

- Are there pre-defined documented mechanisms to assess quality of incoming data
- How is data quality assessment done?:
  - Click  Yes radio button to select answer as yes
  - Click  No radio button, to select answer as no
- (Respond if answer to 2 is not "not done", else skip to Q1 of next section) Are following protocols followed during data quality assessment?:
  - Click  Yes radio button to select answer as yes
  - Click  No radio button, to select answer as no
- Are following feedback mechanisms/backchecks also leveraged for data quality control?
  - Click  Yes radio button to select answer as yes
  - Click  No radio button, to select answer as no
  - Click  NA radio button to select answer as not applicable

5.1.3.3 C. Data Analysis, Use and Dissemination

C. Data Analysis, Use and Dissemination		
1	What types of data analysis is undertaken on collected data?	
	a. Descriptive data analysis (e.g. basic cross tabulation, frequency distribution, mean, median etc. )	<input checked="" type="radio"/> Yes <input type="radio"/> No
	b. Exploratory data analysis (e.g. correlation etc.)	<input checked="" type="radio"/> Yes <input type="radio"/> No
	c. Inferential data analysis (Using a small sample of data to infer about a larger population)	<input checked="" type="radio"/> Yes <input type="radio"/> No
	d. Predictive analysis (Using historical or current data to find patterns to make predictions about the future)	<input checked="" type="radio"/> Yes <input type="radio"/> No
	e. Causal analysis (Looks at the cause and effect of relationships between variables, focused on finding the cause of a correlation)	<input checked="" type="radio"/> Yes <input type="radio"/> No
	f. Mechanistic Analysis (Understand exact changes in variables that lead to other changes in other variables)	<input type="radio"/> Yes <input checked="" type="radio"/> No
	g. Others - Please specify the name and the type of data analysis	<input type="text"/>
2	(Respond if answer to any of the options in 1 is "yes", else skip to Q5) Is cross-schematic/sectoral data also analysed, wherever needed?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
3	How often is this data analysis well-documented (in reports/notes/publications)?	<input checked="" type="radio"/> Real-Time on a dashboard <input type="radio"/> Quarterly <input type="radio"/> Half-yearly <input type="radio"/> Annually <input type="radio"/> Never

Enter following details:

- What types of data analysis is undertaken on collected data?:
  - Click  Yes radio button to select answer as yes
  - Click  No radio button, to select answer as no
- (Respond if answer to any of the options in 1 is "yes", else skip to Q5) Is cross-schematic/sectoral data also analyzed, wherever needed?:
  - Click  Yes radio button to select answer as yes
  - Click  No radio button, to select answer as no
  - Click  NA radio button to select answer as not applicable
- How often is this data analysis well-documented (in reports/notes/publications)?:
  - Click  radio button to select answer as Real-Time on a dashboard, Quarterly, Half-yearly, Annually, or Never

4	How often is this data analysis being used by the M/D officials	
	a. To re-design the schemes or activities undertaken under the scheme at the end of the tenure?	<input checked="" type="radio"/> Real-Time on a dashboard <input type="radio"/> Quarterly <input type="radio"/> Half-yearly <input type="radio"/> Annually <input type="radio"/> Never
	b. To do mid-course corrections through design or implementation changes ?	<input checked="" type="radio"/> Real-Time on a dashboard <input type="radio"/> Quarterly <input type="radio"/> Half-yearly <input type="radio"/> Annually <input type="radio"/> Never
	c. To guide intra-scheme funding decisions like inter-state allocations, inter-component allocations, etc.?	<input checked="" type="radio"/> Real-Time on a dashboard <input type="radio"/> Quarterly <input type="radio"/> Half-yearly <input type="radio"/> Annually <input type="radio"/> Never
	d. To guide inter-scheme budgetary allocations?	<input checked="" type="radio"/> Real-Time on a dashboard <input type="radio"/> Quarterly <input type="radio"/> Half-yearly <input type="radio"/> Annually <input type="radio"/> Never
	e. To decide quarterly releases to implementing agencies?	<input checked="" type="radio"/> Real-Time on a dashboard <input type="radio"/> Quarterly <input type="radio"/> Half-yearly <input type="radio"/> Annually <input type="radio"/> Never
	f. For fraud management and analysis	<input checked="" type="radio"/> Real-Time on a dashboard <input type="radio"/> Quarterly <input type="radio"/> Half-yearly <input type="radio"/> Annually <input type="radio"/> Never
	g. Day to day delivery and monitoring of implementation/ performance of the scheme	<input checked="" type="radio"/> Real-Time on a dashboard <input type="radio"/> Quarterly <input type="radio"/> Half-yearly <input type="radio"/> Annually <input type="radio"/> Never

- How often is this data analysis being used by the M/D officials:
  - Click  radio button to select answer as Real-Time on a dashboard, Quarterly, Half-yearly, Annually, or Never



### 5.1.3.3 C. Data Analysis, Use and Dissemination

5	What other modes are used to disseminate the MIS/ paper-based data and related data analysis?	
	a. Dashboard	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
	b. Mobile App	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
	c. Social Media	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
	d. SMS	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
	e. Newspapers/ Magazines	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
	f. Outdoor media (signages/ billboards)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
	g. Events	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
	h. TV/ Radio	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
	i. Others - Please mention the mode	<input type="text"/>
6	(Respond if 'Yes' in 5a, else skip to 9) What purposes are dashboards used for by the M/D officials?	
	a. Visual presentation of KPI/KRAs with drill-down capability to lowest level to gain total visibility	<input checked="" type="radio"/> Yes <input type="radio"/> No
	b. Capturing trends over time and identifying preempt trends	<input checked="" type="radio"/> Yes <input type="radio"/> No
	c. Measure efficiencies/inefficiencies in processes	<input checked="" type="radio"/> Yes <input type="radio"/> No
	d. User friendly one stop access to multiple automated reports	<input checked="" type="radio"/> Yes <input type="radio"/> No

- What other modes are used to disseminate the MIS/ paper-based data and related data analysis?:
  - Click  Yes radio button to select answer as yes
  - Click  No radio button, to select answer as no
  - Click  NA radio button to select answer as not applicable
- (Respond if 'Yes' in 5a, else skip to 9) What purposes are dashboards used for by the M/D officials?:
  - Click  Yes radio button to select answer as yes
  - Click  No radio button, to select answer as no

7	What types of Data Visualizations are used?	
	a. Bar chart/Histogram	<input checked="" type="radio"/> Yes <input type="radio"/> No
	b. Pie charts	<input checked="" type="radio"/> Yes <input type="radio"/> No
	c. Scatter plot	<input checked="" type="radio"/> Yes <input type="radio"/> No
	d. Heat maps	<input checked="" type="radio"/> Yes <input type="radio"/> No
	e. Treemaps	<input checked="" type="radio"/> Yes <input type="radio"/> No
	f. Gantt chart	<input checked="" type="radio"/> Yes <input type="radio"/> No
	g. Specialized visualizations- Stripe graphics, streamgraph, etc.	<input checked="" type="radio"/> Yes <input type="radio"/> No
	h. Others - please mention data visualizations used	<input type="text"/>
8	Does the Dashboard visualize information on maps?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
9	(Respond if 'Yes' in 3 of Data Generation section, else skip to Q6 of next section) Does the MIS support multilingual features as per GIGW norms?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Partially (some norms followed but not all)
10	Does the MIS support features for differently abled as per GIGW norms?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Partially (some norms followed but not all)
11	How is the MIS data accessible for general population?	<input checked="" type="radio"/> Openly accessible without credentials <input type="radio"/> Accessible through credentials <input type="radio"/> Not accessible
12	Is there an option on the MIS to download bulk data in excel, csv, dta files (machine readable formats )?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Partial data download allowed
13	Is the MIS data available on 'data.gov.in' ?	<input checked="" type="radio"/> Yes <input type="radio"/> No

- What types of Data Visualizations are used?:
  - Click  Yes radio button to select answer as yes
  - Click  No radio button, to select answer as no
- Does the Dashboard visualize information on maps?:
  - Click  Yes radio button to select answer as yes
  - Click  No radio button, to select answer as no
  - Click  radio button to select answer as partially
- (Respond if 'Yes' in 3 of Data Generation section, else skip to Q6 of next section) Does the MIS support multilingual features as per GIGW norms?:
  - Click  Yes radio button to select answer as yes
  - Click  No radio button, to select answer as no
  - Click  radio button to select answer as partially
- Does the MIS support features for differently abled as per GIGW norms?
  - Click  Yes radio button to select answer as yes
  - Click  No radio button, to select answer as no
  - Click  radio button to select answer as partially
- How is the MIS data accessible for general population?
  - Click  radio button to select answer as Openly accessible without credentials, Accessible through credentials, or Not accessible
- Is there an option on the MIS to download bulk data in excel, csv, dta files (machine readable formats)?
  - Click  Yes radio button to select answer as yes
  - Click  No radio button, to select answer as no
  - Click  radio button to select answer as Partial data download allowed
- Is the MIS data available on 'data.gov.in'?
  - Click  Yes radio button to select answer as yes
  - Click  No radio button, to select answer as no

5.1.3.4 D. Use of Technology

D. Use of Technology		
1	(Respond if 'Yes' in 3 of Data Generation section, else skip to Q6) Does the MIS of the scheme have linkages with PFMS ?	<input checked="" type="radio"/> Yes <input type="radio"/> No
2	(Respond if answer to 1 is yes) Is PFMS integration completed till the field-level implementation agency ?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Partially
3	Does the MIS of the scheme have linkages:	
	a. Aadhaar	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
	b. Mobile numbers	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
	c. Bank accounts	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
	d. GSTN	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
	e. Udyog Aadhaar	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
	f. Others – please specify	<input type="text"/>
4	Does the scheme use any of the following:	
	a. Remote sensing data	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
	b. Night light data	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
	c. Social media data	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
	d. Private sector generated data	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> NA
	e. Others – please specify	<input type="text"/>

Enter following details:

- (Respond if 'Yes' in 3 of Data Generation section, else skip to Q6) Does the MIS of the scheme have linkages with PFMS ? :
  - If you click  Yes radio button, then further questionnaires will be displayed
  - If you click  No radio button, then no further questionnaires will be displayed
- (Respond if answer to 1 is yes) Is PFMS integration completed till the field-level implementation agency?
  - Click  Yes radio button to select answer as yes
  - Click  No radio button, to select answer as no
  - Click  radio button to select answer as partially
- Does the MIS of the scheme have linkages:
  - Click  Yes radio button to select answer as yes
  - Click  No radio button, to select answer as no
  - Click  NA radio button to select answer as not applicable
- Does the scheme use any of the following:
  - Click  Yes radio button to select answer as yes
  - Click  No radio button, to select answer as no
  - Click  NA radio button to select answer as not applicable
- Is the MIS compliant with Local GOVT. Directory (LGD)?
  - Click  Yes radio button to select answer as yes
  - Click  No radio button, to select answer as no
  - Click  NA radio button to select answer as not applicable

5.1.3.4 D. Use of Technology

5	Is the MIS compliant with Local Govt Directory (LGD)?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
6	Does the scheme apply/use any of the following:	
	a. Machine Learning	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
	b. Artificial Intelligence	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
	c. Blockchain	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> NA
	d. Internet of Things (IoT)	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
	e. Big Data analytics	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
	f. Drones	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA

- Is the MIS compliant with Local GOVT. Directory (LGD)?
  - Click  Yes radio button to select answer as yes
  - Click  No radio button, to select answer as no
  - Click  NA radio button to select answer as not applicable
  
- Does the scheme apply/use any of the following:
  - Click  Yes radio button to select answer as yes
  - Click  No radio button, to select answer as no
  - Click  NA radio button to select answer as not applicable

5.1.3.5 E. Data Security and HR Capacity

E. Data Security and HR Capacity		
1	(Respond if 'Yes' in 3 of Data Generation section, else skip to Q9) Does the MIS follow regular antivirus updates?	<input type="radio"/> Yes <input checked="" type="radio"/> No
2	Is the MIS regularly assessed by third party auditors for the online security?	<input checked="" type="radio"/> Yes <input type="radio"/> No
3	Does the MIS/ website uses SSL certificate?	<input type="radio"/> Yes <input checked="" type="radio"/> No
4	If "Yes" in previous question, is the SSL certificate at least 2048 bit SHA 256 encryption or higher?	<input type="radio"/> Yes <input type="radio"/> No
5	Does the MIS use firewalls to secure access to data?	<input type="radio"/> Yes <input checked="" type="radio"/> No
6	All external communication/ 3rd party integration/ API integration for the MIS is done through encrypted channel?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> No external communication established
7	What measures are undertaken to secure sensitive/personally identifiable information ? (Multiselect)	<input type="checkbox"/> Single-factor/ Multi-factor authentication <input checked="" type="checkbox"/> Access control list is maintained <input type="checkbox"/> Data is encrypted <input type="checkbox"/> Data is anonymized <input type="checkbox"/> No such data
8	(If anonymization is selected in previous question) How do you protect de-identified data from re-identification risks?	<input checked="" type="checkbox"/> No efforts made <input type="checkbox"/> Tighter security for databases that store anonymized information <input type="checkbox"/> Implementation of Differential Privacy <input type="checkbox"/> Generation of Synthetic Data that exhibits the statistical properties of the raw data, without allowing real individuals to be identified <input type="checkbox"/> Others - provide details
9	(Respond if answer to 7 is any option other than "no such data", else skip to Q10) Is permission taken from user to collect, store and use their personal data ?	<input checked="" type="radio"/> Yes <input type="radio"/> No
10	Is there a dedicated data quality assessment and management team for the scheme?	<input checked="" type="radio"/> Yes <input type="radio"/> No
11	Is there a dedicated data analysis team for the scheme?	<input type="radio"/> Yes <input checked="" type="radio"/> No

**Enter following details:**

- (Respond if 'Yes' in 3 of Data Generation section, else skip to Q9) Does the MIS follow regular antivirus updates?:
  - Click  Yes radio button to select answer as yes
  - Click  No radio button, to select answer as no
- Is the MIS regularly assessed by third party auditors for the online security?:
  - Click  Yes radio button to select answer as yes
  - Click  No radio button, to select answer as no
- Does the MIS/ website uses SSL certificate?:
  - Click  Yes radio button to select answer as yes
  - Click  No radio button, to select answer as no
- If "Yes" in previous question, is the SSL certificate at least 2048 bit SHA 256 encryption or higher?:
  - Click  Yes radio button to select answer as yes
  - Click  No radio button, to select answer as no
- Does the MIS use firewalls to secure access to data?
  - Click  Yes radio button to select answer as yes
  - Click  No radio button, to select answer as no
- All external communication/ 3rd party integration/ API integration for the MIS is done through encrypted channel?:
  - Click  Yes radio button to select answer as yes
  - Click  No radio button, to select answer as no
  - Click  radio button to select answer as No external communication established

### 5.1.3.5 E. Data Security and HR Capacity

E. Data Security and HR Capacity		
1	(Respond if 'Yes' in 3 of Data Generation section, else skip to Q9) Does the MIS follow regular antivirus updates?	<input type="radio"/> Yes <input checked="" type="radio"/> No
2	Is the MIS regularly assessed by third party auditors for the online security?	<input checked="" type="radio"/> Yes <input type="radio"/> No
3	Does the MIS/ website uses SSL certificate?	<input type="radio"/> Yes <input checked="" type="radio"/> No
4	If "Yes" in previous question, is the SSL certificate at least 2048 bit SHA 256 encryption or higher?	<input type="radio"/> Yes <input type="radio"/> No
5	Does the MIS use firewalls to secure access to data?	<input type="radio"/> Yes <input checked="" type="radio"/> No
6	All external communication/ 3rd party integration/ API integration for the MIS is done through encrypted channel?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> No external communication established
7	What measures are undertaken to secure sensitive/personally identifiable information ? (Multiselect)	<input type="checkbox"/> Single-factor/ Multi-factor authentication <input checked="" type="checkbox"/> Access control list is maintained <input type="checkbox"/> Data is encrypted <input type="checkbox"/> Data is anonymized <input type="checkbox"/> No such data
8	(If anonymization is selected in previous question) How do you protect de-identified data from re-identification risks?	<input checked="" type="checkbox"/> No efforts made <input type="checkbox"/> Tighter security for databases that store anonymized information <input type="checkbox"/> Implementation of Differential Privacy <input type="checkbox"/> Generation of Synthetic Data that exhibits the statistical properties of the raw data, without allowing real individuals to be identified <input type="checkbox"/> Others - provide details
9	(Respond if answer to 7 is any option other than "no such data", else skip to Q10) Is permission taken from user to collect, store and use their personal data ?	<input checked="" type="radio"/> Yes <input type="radio"/> No
10	Is there a dedicated data quality assessment and management team for the scheme?	<input checked="" type="radio"/> Yes <input type="radio"/> No
11	Is there a dedicated data analysis team for the scheme?	<input type="radio"/> Yes <input checked="" type="radio"/> No

- What measures are undertaken to secure sensitive/personally identifiable information? (Multiselect)
  - Check  checkbox to select answer as Single-factor/ Multi-factor authentication Access control list is maintained, Data is encrypted, Data is anonymized, or No such data
- (If anonymization is selected in previous question) How do you protect de-identified data from re-identification risks?:
  - Check  checkbox to select answer as No efforts made, Tighter security for databases that store anonymized information, Implementation of Differential Privacy, Generation of Synthetic Data that exhibits the statistical properties of the raw data, without allowing real individuals to be identified, or Others - provide details
- (Respond if answer to 7 is any option other than "no such data", else skip to Q10) Is permission taken from user to collect, store and use their personal data?:
  - Click  Yes radio button to select answer as yes
  - Click  No radio button, to select answer as no
- Is there a dedicated data quality assessment and management team for the scheme?:
  - Click  Yes radio button to select answer as yes
  - Click  No radio button, to select answer as no
- Is there a dedicated data analysis team for the scheme?:
  - Click  Yes radio button to select answer as yes
  - Click  No radio button, to select answer as no

### 5.1.3.6 F. Data Management

F. Data Management		
1	Respond if you have answered 'Yes' in 3 of Data generation section, else skip this section. Where is MIS data stored?	<input checked="" type="radio"/> On separate servers for different schemes (distributed storage) <input type="radio"/> On central server which is used for all schemes
3	How is MIS data stored?	<input checked="" type="radio"/> Physical servers <input type="radio"/> Cloud Storage <input type="radio"/> Others
5	How is historical MIS data managed?	<input checked="" type="radio"/> Data is not backed up (i.e., it is destroyed) <input type="radio"/> Data is backed up and data is archived, or Data history is well maintained including retention, destruction, and audit trail details

Click to submit and proceed to part B NSI

Click to save questionnaires as draft

Submit & Proceed to Part B NSI Save As Draft


#### Enter following details:

- Respond if you have answered 'Yes' in 3 of Data generation section, else skip this section. Where is MIS data stored?:
  - Click  radio button to select answer as on separate servers for different schemes (distributed storage) or on central server which is used for all schemes
- How is MIS data stored?:
  - Click  radio button to select answer as Physical servers, Cloud Storage, or Others
- How is historical MIS data managed?:
  - Click  radio button to select answer as Data is not backed up (i.e., it is destroyed) Data is backed up and data is archived, or Data history is well maintained including retention, destruction, and audit trail details
- Click **Submit & Proceed to Part B NSI** to submit and proceed to part B
- Click **Save As Draft** to save questionnaires as a draft

## 6 Strategy Tracking Module

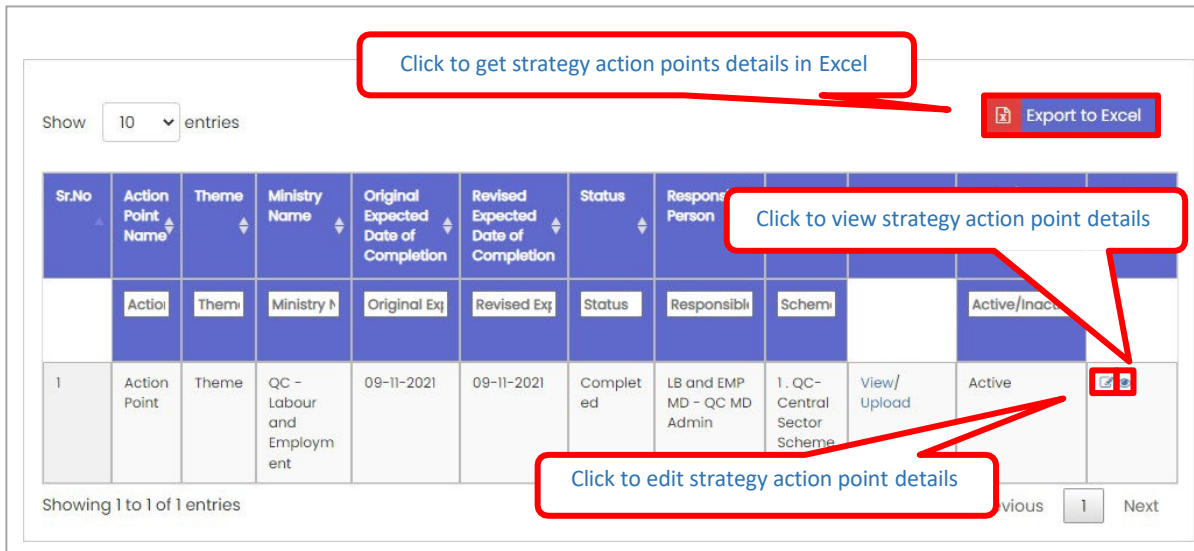
### 1. Strategy Action Points

Path: Strategy Tracking Module >> Strategy Action Points

Click  Export to Excel to get strategy action points details in Excel



Select ministry name from dropdown;

Strategy Action Points will be displayed with following column headings:



The screenshot shows a table with the following columns: Sr.No, Action Point Name, Theme, Ministry Name, Original Expected Date of Completion, Revised Expected Date of Completion, Status, Responsible Person, Scheme Name, and Active/Inactive. A callout points to the 'Export to Excel' button. Another callout points to the 'View details' icon in the 'Active/Inactive' column. A third callout points to the 'Edit details' icon in the 'Active/Inactive' column.


Sr.No	Action Point Name	Theme	Ministry Name	Original Expected Date of Completion	Revised Expected Date of Completion	Status	Responsible Person	Scheme Name	Active/Inactive	
1	Action Point	Theme	QC - Labour and Employment	09-11-2021	09-11-2021	Completed	LB and EMP MD - QC MD Admin	1. QC-Central Sector Scheme	View/Upload	Active

- Sr. No
- Action Point Name
- Theme
- Ministry Name
- Original Expected Date of Completion ( It is a date consider when first time M/D Admin add data)
- Revised Expected Date of Completion ( If M/D Admin changes original expected date of completion, then the date is considered as revised expected date of completion)
- Status
- Responsible Person
- Scheme Name
  - Document View / Upload
  - Active/Inactive
- Actions:
  - Click  to edit strategy action point details
  - Click  to view strategy action point details



## 6.2 View strategy action point

Show  entries Export to Excel

Sr.No	Action Point Name	Theme	Ministry Name	Original Expected Date of Completion	Revised Expected Date of Completion	Status	Responsible Person	Scheme	Document	Active/Inactive	Actions
	Action	Theme	Ministry N	Original Ex	Revised Ex	Status	Responsibl	Schem		Active	
1	Action Point	Theme	QC - Labour and Employment	09-11-2021	09-11-2021	Completed	LB and EMP MD - QC MD Admin	1. QC-Central Sector Scheme	View/Upload	Active	 

Showing 1 to 1 of 1 entries Previous  Next

Click  to view strategy action point details

Strategy Action Points details will be displayed with following column headings:

Dashboard > Strategy Action Points Back

Action Point Name	Action Point
Description	Description
Theme	Theme
Scheme Name	1. QC-Central Sector Scheme
Original Expected Date of Completion	09-11-2021
Revised Expected Date of Completion	09-11-2021
Status	Completed
Remarks	Progress
Responsible Person	LB and EMP MD
Designation	QC MD Admin
Approval Status	Approved
Active/Inactive	Active
View Uploaded Document	<a href="#">View</a>
Created	08-11-2021

*Note: A red box highlights the 'View' link in the 'View Uploaded Document' row, with an arrow pointing to the text 'Click to view uploaded document'.*

- Action Point Name
- Description
- Theme
- Scheme Name
- Original Expected Date of Completion
- Revised Expected Date of Completion
- Status
- Remarks
- Responsible Person
- Designation
- Approval Status
- Active/Inactive
- View Uploaded Document
  - Click **View** to view uploaded document
- Created

### 6.2.1 Document Upload

The screenshot shows a web form titled "Add Strategy Document". It contains three input fields: "Document Name \*" with a placeholder "Enter Document Name", "Document Description" with a placeholder "Enter Document Description", and "Upload Document\*" with a "Choose File" button and "No file chosen" text. Below the upload field, it says "Allowed File : pdf, doc, docx". At the bottom, there are two buttons: "Submit" (highlighted in blue) and "Close" (highlighted in dark blue). Red callout boxes point to the "Submit" button with the text "Click to add strategy document" and to the "Close" button with the text "Click to discard changes".

#### Enter following details:

- Document Name: Enter document name
- Document Description: Enter document description
- Upload Document: Click **Choose File** to choose file
- Click **Submit** to add strategy document
- Click **Close** to discard changes

On successful upload of strategy document, system will display following message:

The Strategy document has been uploaded

## 6.2.2 Document View

Strategy documents details will be displayed with following column headings:

Sr No.	Document Name	Document Description	Upload Document
1	Document	Document Description	<a href="#">View</a> <a href="#">Delete</a>

- Sr. No.
- Document Name
- Document Description
- Upload Document
  - Click [View](#) to view document
  - Click [Delete](#) to delete document

Note: M/D data entry user can only be able to view or upload strategy action point documents. He/she would not be able to add or delete strategy action points and uploaded documents.

### 6.2.3 Edit Strategy Action Points

Action Point Name \* Design and Development of Portal/Dashboard-6  
Maximum character allowed: 2000

Description \* Monitoring of various economic parameters through portal/dashboard  
Maximum character allowed: 10000

Theme \* Analysis of various economic parameters  
Maximum character allowed: 255

Scheme Name -- Select Scheme Name --

Expected Completion Date \* 31-12-2022

Action Point Status \* In-progress

Remarks \* N/A  
Maximum character allowed: 2000

Responsible Person \* Department of Economic Affairs

Status \*

[Click to update action point status](#)

[Update](#) [Cancel](#) [Click to discard changes](#)

#### Enter following details:

- Action Point Name will be displayed automatically
- Description will be displayed automatically
- Theme will be displayed automatically
- Scheme Name: Select scheme from dropdown
- Expected Completion Date will be displayed automatically
- Action Point Status: Select action point status Yet to be initiated, In-progress, or Completed from dropdown
- Remarks will be displayed automatically
- Responsible Person will be displayed automatically
- Designation will be displayed automatically
- Status will be displayed automatically
- Click [Back](#) to go to previous screen
- Click [Update](#) to update action point status
- Click [Cancel](#) to discard changes

Thank you!