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# Panchayat Development Index (PDI)

## A Review of Framework of Implementation

PDI Write Shop, August 11-12, 2023





# Imperatives for Panchayats

- ✓ **GPs as RLBs - an effective units of Governance**
- ✓ **GPs as unit of Planning and execution of schemes – Hon'ble PM launched TB Mukh Panchayat.**
- ✓ **Competition for Development**
- ✓ **Demand for Better quality of Service Delivery**
- ✓ **Optimum Utilization of resources**
- ✓ **Informed Strategies for attaining SDGs**
- ✓ **Need for Evidence Based -**
  1. **Assessment of Performance of GPs**
  2. **Assessment of Progress of Developmental Efforts**
  3. **Achievement Gaps**
  4. **Planning – for Quality GPDP**
  5. **Allocation of resources – FFC & other**



# Localization of Sustainable Development Goals in Panchayats



- **National Commitment to achieve SDGs by 2030**
- **Panchayats are pivotal in attaining 2030 Agenda of SDGs**
- **MoPR taking forward goal of attaining SDGs with PRIs by Localization of SDGs through 9 themes**
- **Thematic approach of LSDGs resonates Panchayats to achieve global goals at local levels**



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# Panchayat Development Index - Rationale



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- **SDG India Index of NITI Aayog measures SDGs progress across States & rank them using indicators from NIF.**
- **PDI Measure the progress of LSDGs in Panchayats**
- **PDI computation based on local indicators**
- **Reflection of development levels in rural India**
- **Creation of Baseline**
- **Measure incremental progress on LSDGs through scores achieved by Panchayat over successive years**
- **Grading of Panchayats based on their performance towards the achievement of LSDGs**

# Pragmatic Approach to attain SDGs

SDGs



17 Goals  
169 Targets  
231 Indicators (NIF)

SDG India Index



17 Goals  
75 Targets  
118 Indicators

PDI



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9 Themes  
144 Targets  
577 Indicators (LIF)

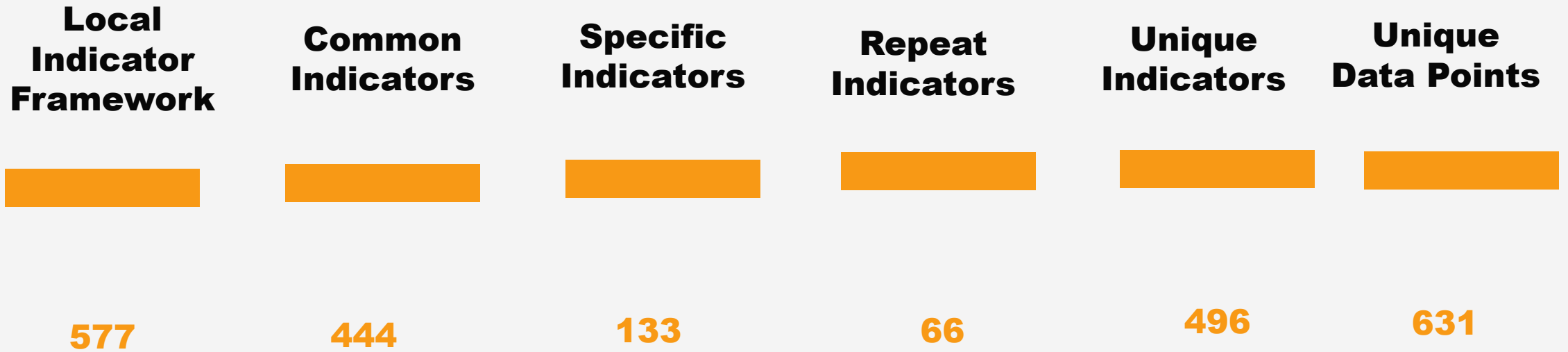


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# **Theme wise Local Indicators**

S. No.	Themes	SDGs	NIFs	Local Targets	LIF
1.	Poverty Free and Enhanced Livelihood Village	1,2,3,4,5,6,7,8,10,11,13,15	18	16	37
2.	Healthy Village	2 & 3	20	10	23
3.	Child Friendly Panchayat	1,2,3,4 & 5	22	17	85
4.	Water Sufficient Panchayat	6 & 15	7	11	30
5.	Clean and Green Panchayat	6,7,12,13,14,15	15	13	41
6.	Panchayats with Self Sufficient Infrastructure	1,2,4,5,6,9,11	8	11	161
7.	Socially Just and Socially Secured Panchayat	1,2,5,10,16	25	21	70
8.	Good Governance Panchayats	16	2	25	79
9.	Women friendly	1,3,4,5 & 8	29	20	51
			146	144	577

# Architect of Local Indicator Framework



**PDI**





# Data Source

- Indicators to be captured from other Ministries: 227 Local Indicators ( [Table 14](#) )
- Indicators to be collected from field survey/GP records: 322 Local Indicators ( [Table 12](#) )
- LIF data availability in field GP level ( [Table 15](#) )

## Data Source wise indicator (Abstract)

### A. Summary

Sl. No.	Ministry/Department	Total
1	Department of Food and Public Distribution	3
2	Department of Land Resources	1
3	Department of School Education & Literacy	17
4	Ministry of Agriculture & Farmers Welfare	3
5	Ministry of Health & Family Welfare	8
6	Ministry of Home Affairs	13
7	Ministry of Jal Shakti - JJM	7
8	Ministry of Jal Shakti - SBM	8
9	Ministry of Panchayati Raj	55
10	Ministry of Rural Development	135
11	Ministry of Women & Child Development	5
Total from Administrative and existing sources		255
Gram Panchayat		322
Total Indicators		577

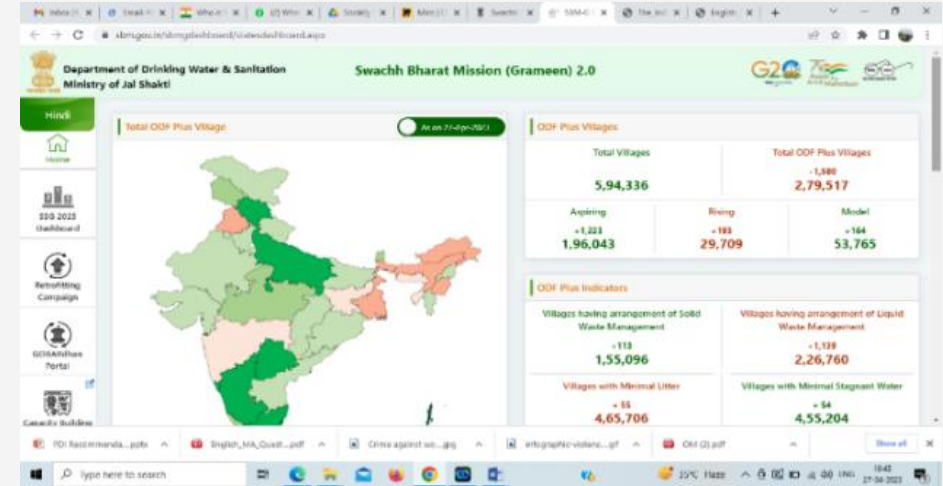




# Ministry wise Data source wise list of indicators

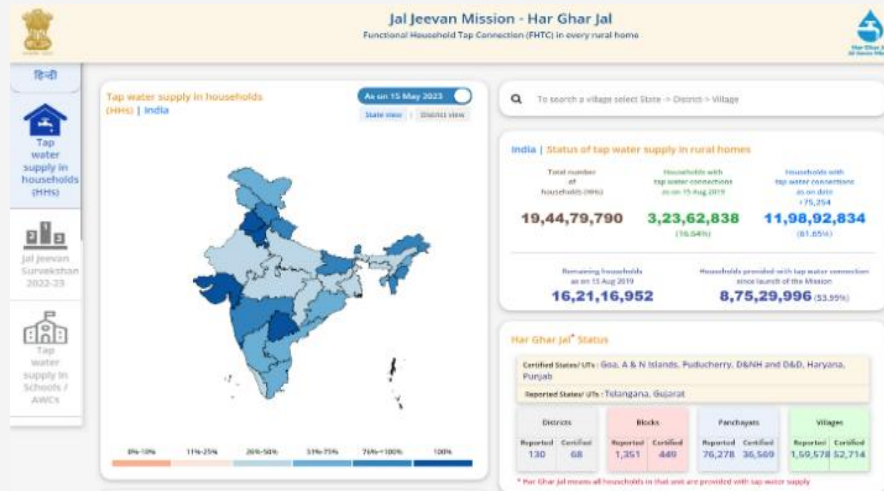
MoE

29



DDWS

15



MoWCD

11



# Ministry wise Data source wise list of indicators

MoRD

70  
(59+11)

Mission Antyodaya Daily Upload Progress (National)

State	Total	Gram Sabha	Gram Panchayat	...
Andhra Pradesh	25	19	6	...
Assam	25	19	6	...
Bihar	25	19	6	...
...	...	...	...	...

MoPR

53

eGramSwaraj Panchayat Information Dashboard

Metric	Value
Panchayat Profile	...
PUA Details	...
Planning & Reporting	...

DoLR

1

Watershed Development Component-Pradhan Mantri Krishi Sinchayee Yojana (WDC-PMKSY)

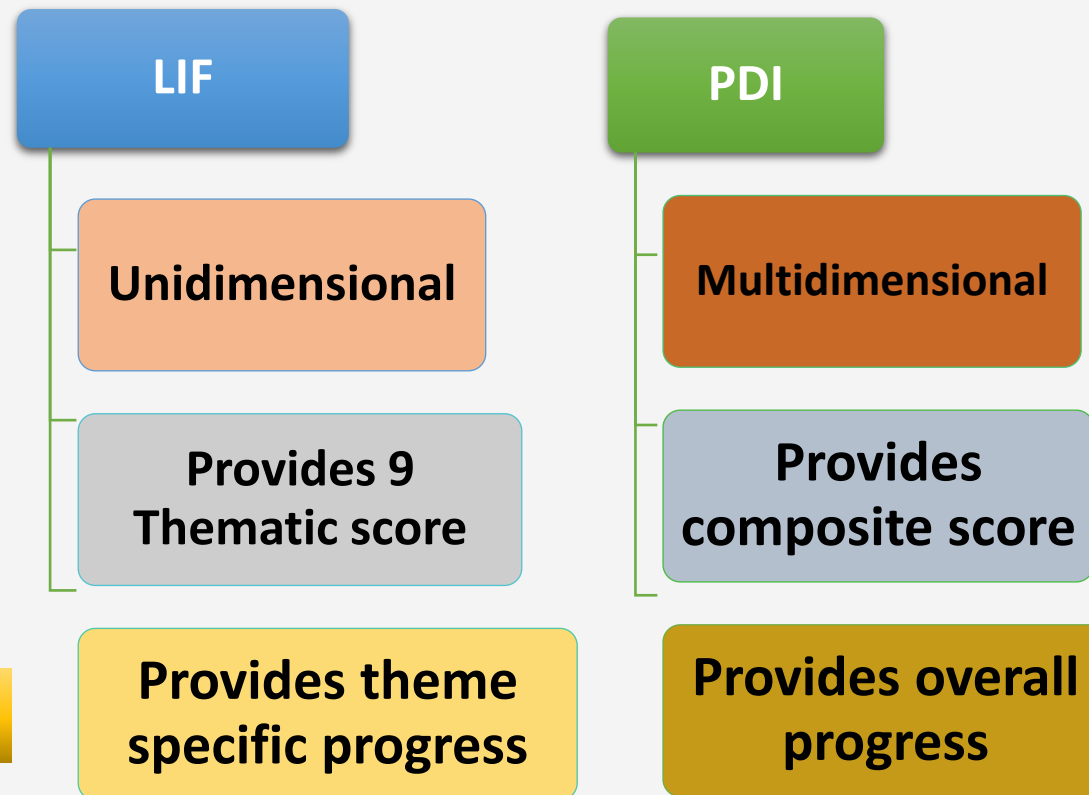
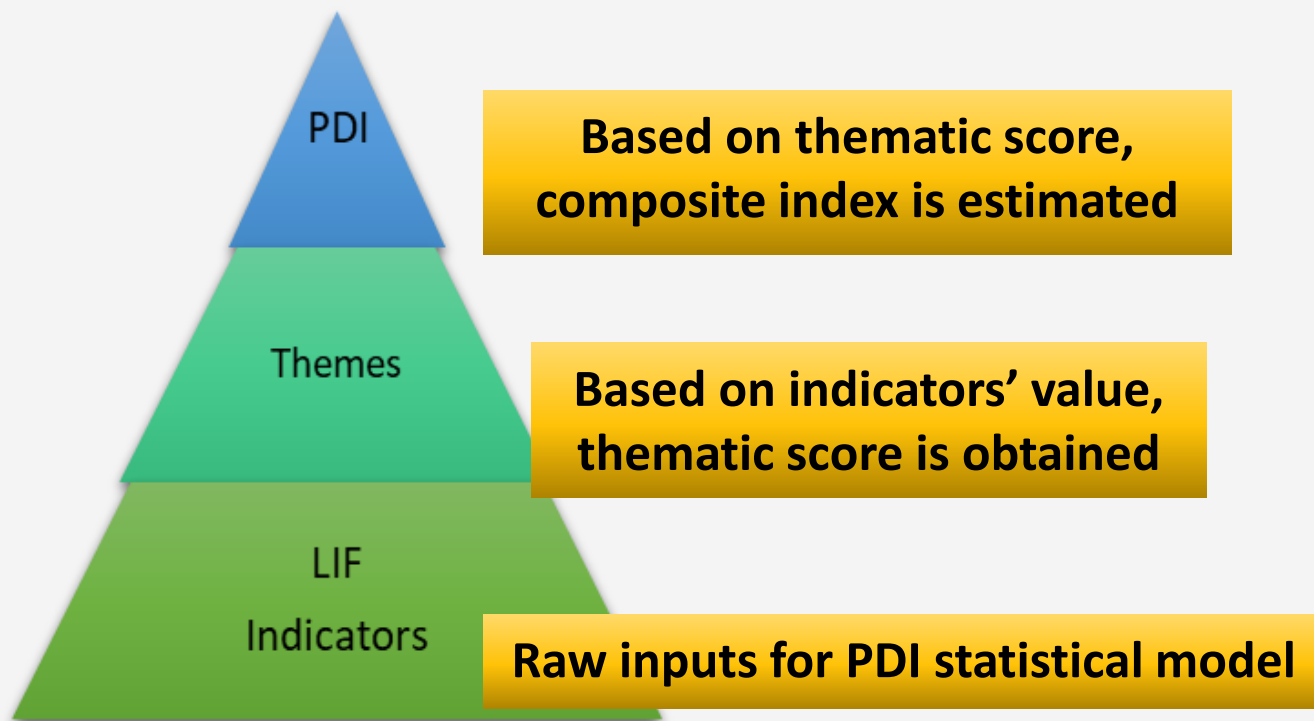
Indicator	Value
No of Mandays generated (in Mandays)	0
Water Harvesting Structure (Renovated)	92
Area Brought under Horticulture (in ha)	15,750,000
Area Brought under Afforestation Agriculture Pasture etc. (in ha)	14,502,7500
Water Harvesting Structure/New Created	4208
Area brought from Nil Single crop to double or more cropping (ha)	68,7507



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# PDI – LIF-Theme





# PDI Computation

**Data Collection  
& Compilation**

**1**

- **Data Collection/integration from different sources – GP & Ministries/ State Department Portals**
- **Through PDI Portal having primary data validation checks.**
- **After Validation at different levels final data is uploaded**

**2**

**Indicator value  
calculation &  
normalization**

- **LIF indicator values are derived from validated uploaded data and**
- **Normalized on a 0-100 scale**

**Thematic  
score**

**3**

- **Calculation of Average of the normalized indicator values**
- **Arrive at thematic scores of a GP**

**4**

**PDI score**

- **Calculate Geometric mean of all 9 thematic scores for a GP**
- **Arrive at PDI score of that GP**



# PDI Computation

**Assignment  
of weights**

**5**

**All LIF themes and indicators within a theme assigned equal weights**

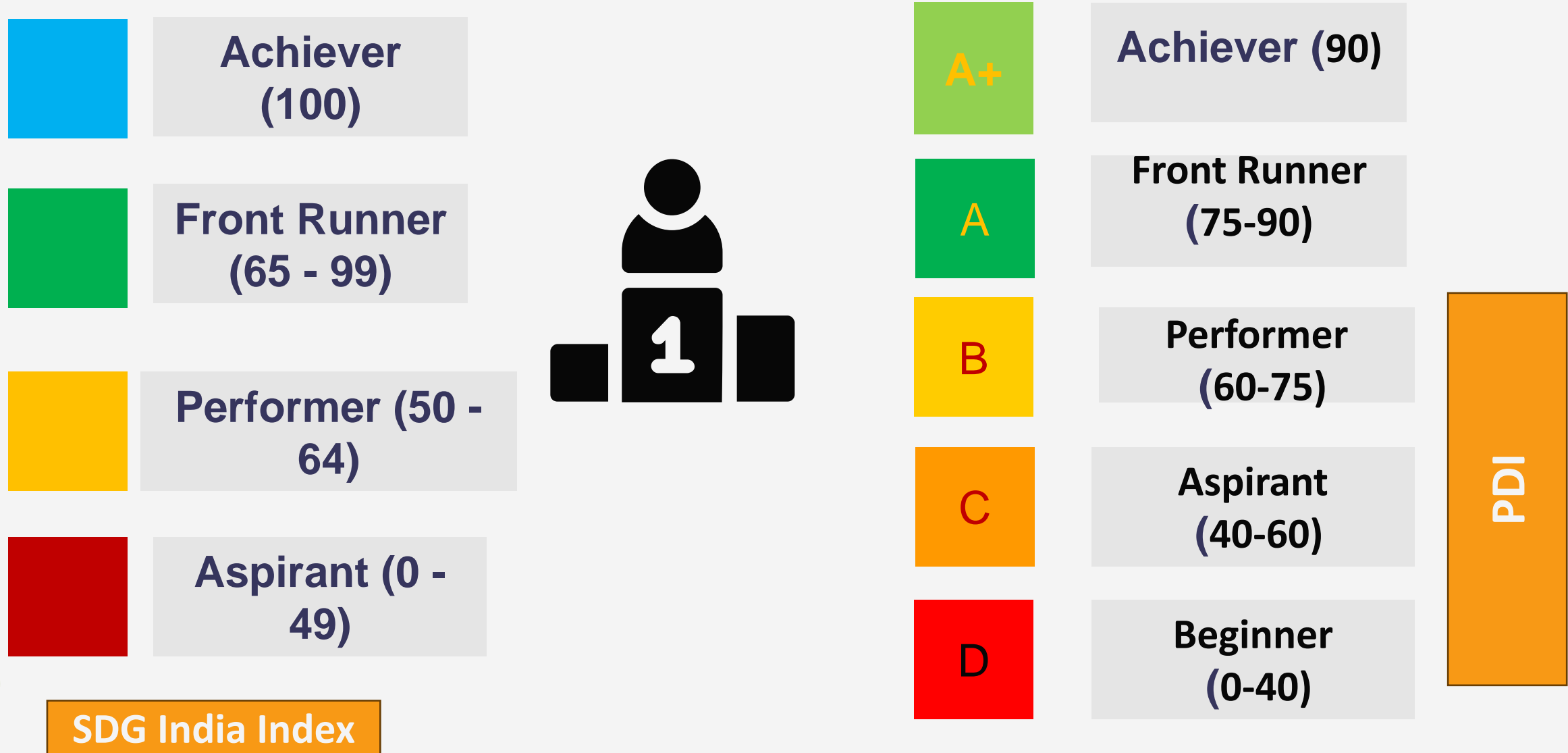
**6**

**Block &  
State PDI**

**Weighted arithmetic mean of GP PDI and Block PDI were considered for Block & State PDI respectively**

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# Grading : SDG India Index vs. PDI



# Measuring of Performance



- **Baseline Data /Score**
- **Annual Exercise**
- **In successive years, change in Thematic/composite score from baseline score indicates thematic/overall performance of that GP**
  1. **%age Change from baseline**
  2. **%age Progress towards target**
  3. **%age Change from previous year**







# Why PDI

- Evidence Based Assessment – realistic assessment of Progress
- Evidence Based Planning leading to better GPDP preparation
- Help in setting ambitious targets if GPs are nearing achievement of National / State targets
- Better method for Incentivization on developmental progress
- No Inter-State comparison planned as of now
- States/Districts can compare GPs on LSDG (thematic) and composite PDI scores – prioritizing the sectors and GPs for development
- States can compare District/Blocks for prioritizing development





# Challenges

- **New Paradigm in Evidence Based Planning**
- **Data availability & Collection Exercise**
- **Huge Data Volume: 631 Data points, 577 indicators**
- **Data interpretation & analysis of over 2.5 lakh GPs**
- **Data validation mechanism**

# ROAD AHEAD



- **Robust Mechanism for Data Collection**
- **Data Validation**
- **Data Sharing**
- **Incentivization & CB&T**





# Data Collection

- MoPR NIC Online Database Management Application for PDI URL: [www.pdi.gov.in](http://www.pdi.gov.in)
- **Need based modification in indicators**
- **Use of Validated database of Ministries/Department**
- **MoPR coordinated with MoRD, MoWCD, DoSEL, MoHFW for data sharing**
- **State to facilitate sharing of relevant data on various State portals**
- **Common Indicators are mandatory and basis for scoring for Incentivization**
- **From the list of specific indicators State to select**



# Data Validation

- **Numerous Checks and Validation at multiple levels**
- **Department of Statistics to assist in data validation at every level – Block, District and State**
- **Creation of dedicated cell for data validation at Block level under the Block Office**
- **Department of Planning and Statistics at State level to act as custodian of data and its validation**
- **Ministries & Departments to collect LGD local body seeded data in the future for ease of sharing**

# Role Assignment



## Data Source Validation Team

- 1. Identification of data points available with/at Gram Panchayat**
- 2. Identification Registers / Formats where data points would be available**
- 3. Identification of Data points to be collected through survey**



## Facilitator

- 1. Visit to the institutions ( AWC/ PHC/Schools etc.) for data collection**
- 2. Get the duly authenticated data in hard copy**
- 3. All Line Departments to facilitate data collection**
- 4. Enter the data into Portal with due care & upload the pdf of hard copy**
- 5. Submit the completed form to GP Secretary/PDO**



## GP Secretary

- 1. Download the copy of uploaded form from portal and**
- 2. Place before the Gram Sabha for approval**
- 3. Upon approval of GS, submit on portal for Block Level Validation/Scrutiny.**

# Role Assignment



## Block Level Officers/Team

1. Block Heads to validate the GP wise data mapped to their Department
2. In case of disagreement data points can be reverted to GP for reconfirmation
3. Once entire data set of a GP is validated, submit to BDO for final validation
4. BDO to validate GP wise and submit to District Team



## District Team

1. District Team to validate the GP wise data received from BDOs
2. If disagreement, data points can be reverted to Block for reconfirmation by GP
3. Once entire data set of a GP is validated, submit to State Team for final validation



## State Team

1. State Team to validate the data received from District
2. If disagreement, data points can be reverted to District for reconfirmation by GP
3. Upon validation of entire data set of a GP, submit for scoring.





# PDI Data Sharing

- PDI is a **Common Property Resource**.
- **Data contributing Ministries/ Department to get a dedicated login to view & download.**
- **The data generated on PDI Portal can be used by any Govt. Agency**
- **MoPR will facilitate request for data sharing on priority**



## Incentivization and CB&T



## National Panchayat Awards

- PDI will be used as a tool for incentivization exercise by MoPR
- States can also use this evidence-based system for incentivization of Panchayats

## Capacity Building & Training for PDI

- Intensive CB&T Exercise through network of SIRDs/PR Institutions
- CB&T through Training Modules for SLMTs, DLMTs & BLMTs



**THANK YOU**