

# Evidence-Based Analysis for SDG Monitoring in Chhattisgarh

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## Abstract

This study assesses the development of Sustainable Development Goals (SDGs) in Chhattisgarh districts, providing a detailed analysis of goal-specific success and overall performance. As countries work to achieve the 2030 Agenda for Sustainable Development, monitoring regional success is critical for efficient policymaking and resource allocation. Using data from official websites & departments, this study presents a detailed assessment of SDG achievement across several districts in Chhattisgarh, India. The findings show diverse levels of progress across several SDGs, reflecting the region's complex socioeconomic dynamics. Through evaluation, districts are systematically graded based on their performance, offering vital insights into strengths and areas that require immediate improvement. Furthermore, a comprehensive assessment of Chhattisgarh's overall SDG performance reveals the state's developmental trajectory, allowing for evidence-based planning and resource allocation. This report adds to the discussion on sustainable development by providing practical insights suited to the unique requirements of Chhattisgarh's districts, enabling informed decision-making towards reaching the SDGs.

**Keywords:** Sustainable Development Goals (SDG), Chhattisgarh, District Indicator Framework, Data Analysis & Visualization

## 1. INTRODUCTION

A group of 17 global objectives known as the Sustainable Development Goals (SDGs) were approved by the United Nations (UN) in September 2015. They act as an all-encompassing call to action to eradicate poverty, safeguard the environment, and guarantee prosperity for all by the year 2030. The SDGs are more comprehensive and ambitious in scope than the Millennium Development Goals (MDGs), addressing a wider variety of social, economic, and environmental concerns. They build on the achievements and lessons learned from the MDGs. For a country to achieve the SDG targets by 2030, it is very essential for the States also to focus on the aspects of social, economic & environment and to provide strategies and create action plans on achieving these goals. This report will highlight the assessment and monitoring the progress as well as to visualize the data for easy comparison and understanding. The report covers the overall performance of districts of Chhattisgarh in SDGs that is goal wise, indicator wise performance of the districts. At present under the "District Indicator Framework" (DIF) there are total of 82 indicators represented table wise in the report. The districts are divided into 4 categories on the basis of Goal Score and are further represented in a tabular form after computation of the scores into normal values. Goal 14 & 17 are not included and applicable and the report therefore is based on the 15 goals. The district SDG indicators and its data points and give insights into the procedure

of implementation & the following outcomes in key areas. The progress of SDG can be compared and easily understood using charts, tables, info graphics, sheets etc. As we find the district wise performance of the SDGs we get the score for Chhattisgarh and its progress being compared to the base year and then the trend is analyzed in the report.

**1.1 OBJECTIVE OF THE STUDY**

The specific objectives are:

To oversee the importance of data in evaluation of the SDG implementation in Chhattisgarh.

To analyze data & evaluate the outcome of SDG in Chhattisgarh

To assess the impact of SDG in Chhattisgarh & suggestive future course of action.

**1.2 JUSTIFICATION OF THE STUDY**

Analyzing progress towards the Sustainable Development Goals in Chhattisgarh is critical because it has the capacity to catalyze positive change in a region which faces complex development challenges. For a number of reasons, Chhattisgarh's unique socioeconomic situation requires an extensive evaluation of its development in the area of Sustainable Development Goals. First, Chhattisgarh has a sizable ethnical population and a big pastoral-civic split. Understanding progress can also give hope to the challenges of reducing inequality, providing good education and healthcare for all in poor communities SDGs 10, 4 & 3. Second, the state's frugality is heavily reliant on mining and husbandry, which have environmental and sustainability enterprises (SDGs 12 and 15). Third, Chhattisgarh has challenges related to gender equality (SDG 5) & Clean water & sanitization(SDG ).

In order to achieve the public SDGs, it is essential to assess its performance in areas such as affordable and clean energy (SDG 7), industrial innovation and infrastructure (SDG 9). In summary, coverage of the achievement of the Sustainable Development Goals in Chhattisgarh could give a positive attitude to local development difficulties, promote focused legislation and ultimately contribute to India's larger SDG ideal. In order to achieve sustainable and indifferent development in both the state and the country, this research is a crucial step.

**1.3 PURPOSE OF THE STUDY**

This study on SDG development in Chhattisgarh has two aims. To begin, it plans to thoroughly investigate the current status of the state's Sustainable Development Goals (SDGs), providing a clear picture of Chhattisgarh's progress towards these global objectives. This study covers a variety of issues, including poverty eradication, healthcare, environmental sustainability, and gender equality. Second, the study seeks to identify the main barriers, inequities, and opportunities specific to Chhattisgarh, allowing policymakers and stakeholders to develop focused strategies and initiatives to expedite SDG implementation in the state. This study intends to promote evidence-based decision-making by focusing on areas that require immediate attention as well as those that have made progress, ultimately fostering sustainable and equitable development in Chhattisgarh.

**1.4 INDICATOR FRAMEWORK & SUMMARY OF DIF**

The (CG-DIF) – Chhattisgarh – District Indicator Framework is the backbone for assessing and evaluating the progress of State goal wise. Total SDG targets covered under the CG-DIF is 45.

Summary of Chhattisgarh SDG District Indicator Framework(CG-DIF)		
SDG	Source of Indicators for CG-DIF	
Goals	SDG	Number of Indicators in CG-

	Target covered by CGDIF	DIF
<b>Goal1 (No Poverty)</b>	<b>2</b>	<b>6</b>
<b>Goal2 (Zero Hunger)</b>	<b>3</b>	<b>7</b>
<b>Goal3 (Good Health)</b>	<b>6</b>	<b>7</b>
<b>Goal4 (Quality Education)</b>	<b>5</b>	<b>9</b>
<b>Goal5 (Gender Equality)</b>	<b>5</b>	<b>6</b>
<b>Goal6 (Clean water &amp; sanitization)</b>	<b>4</b>	<b>10</b>
<b>Goal7 (Affordable &amp; clean energy)</b>	<b>1</b>	<b>2</b>
<b>Goal8 (Decent work &amp; economic growth)</b>	<b>2</b>	<b>5</b>
<b>Goal9 (Industry, innovation &amp; infrastructure)</b>	<b>2</b>	<b>2</b>
<b>Goal10 (Required inequalities)</b>	<b>2</b>	<b>3</b>
<b>Goal11 (Sustainable cities &amp; communities)</b>	<b>3</b>	<b>7</b>
<b>Goal12 (Responsible consumption &amp; production)</b>	<b>2</b>	<b>6</b>
<b>Goal13 (Climate action)</b>	<b>2</b>	<b>2</b>
<b>Goal14 (Life below</b>	<b>0</b>	<b>0</b>

water)		
Goal15 (Life on land)	2	2
Goal16 (Peace, justice & prosperity)	4	8
Goal17 (Partnerships for the goals)	0	0
<b>Total</b>	<b>45</b>	<b>82</b>

### 3. REVIEW OF LITERATURE

**Naess, P. (2001)** analyzed the environmental impact of SDGs in urban areas, emphasizing sustainable urban planning and green infrastructure.

**Griggs et al. (2013)** investigated the role of SDGs in poverty reduction, proposing strategies for effective poverty alleviation through inclusive economic growth.

**Oparaocha, et al. (2011)** Explored the intersection of gender equality and SDGs, highlighting the need for gender mainstreaming in SDG policies.

**Imaz, et al. (2017)** Assessed the effectiveness of technology in achieving SDGs, discussing digital innovation and data-driven approaches.

**Assembly, et al. (2015)** studied the economic implications of SDGs in developing nations, focusing on sustainable economic development and income inequality.

**Munasinghe, et al. (1993)** Analyzed the environmental sustainability aspect of SDGs, emphasizing conservation, renewable energy, and responsible resource management.

**Chotchoungchatchai, et al. (2020)** Explored the health-related targets within the SDGs, discussing healthcare access, disease prevention, and universal health coverage.

**Kopnina, et al. (2020)** Investigated the role of education in SDG attainment, emphasizing access to quality education, lifelong learning, and educational equity.

**Van Huijstee, et al. (2007)** Analyzed the significance of partnerships in SDG implementation, highlighting public-private partnerships and global cooperation.

**Dijkstra, et al. (2022).** Examined the impact of urban planning on SDGs, focusing on sustainable urbanization, affordable housing, and infrastructure development.

**Chzhen, et al. (2018)** Examined India's progress in achieving SDGs, with a focus on addressing poverty and economic inequality.

**Gillett-Swan, et al. (2023)** investigated the role of government policies and initiatives in advancing SDGs in India, emphasizing education and healthcare.

**M., Bashir, et al. (2022)** Explored India's approach to environmental sustainability within the framework of SDGs, highlighting renewable energy and conservation efforts.

**Perez-Escolar, et al. (2023)** Assessed the challenges and opportunities of technology adoption for SDGs in India, discussing digital inclusion and innovation.

**Sen, G. (2019)** investigated the impact of SDGs on gender equality and women's empowerment in India, addressing issues such as access to education and healthcare.

**Bernstein, et al. (2019)** analyzed the role of sustainable agriculture and rural development in achieving SDGs in India, emphasizing food security and livelihoods.

**Fuso Nerini, et al. (2019)** Explored the challenges of clean energy adoption and climate action in India within the SDG context.

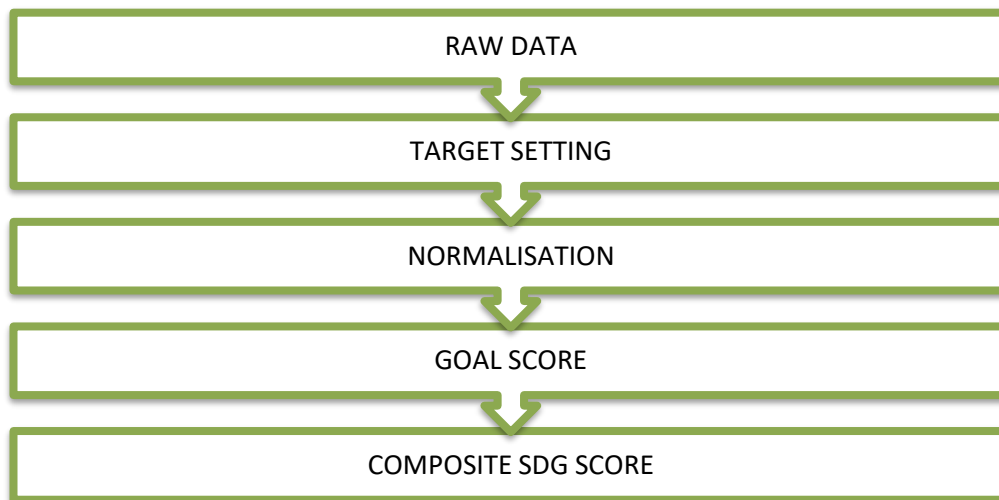
**Sarkar, et al. (2021)** investigated the progress and bottlenecks in healthcare and sanitation as part of India's SDG implementation.

**Mohanty, et al. (2018)** Analyzed the role of education and skill development programs in bridging socio-economic disparities in India in line with SDGs.

**Shekhar, S., et al. (2021)**. Examined India's urbanization challenges and sustainable urban development efforts in the context of SDGs.

#### 4. RESEARCH METHODOLOGY

##### METHODS ADOPTED TO ANALYSE DATA



- 1. Chhattisgarh SDG Progress is based on the framework of total 15 SDGs (14 & 17 not applicable) and total of 82 indicators which include 45 targets.**

RAW DATA COLLECTION DETAILS	
TOTAL INDICATORS	82
TOTAL DEPARTMENTS	23 DEPARTMENTS
DATA SOURCE (SECONDARY)	46 INDICATORS
DATA SOURCE (FROM DEPARTMENTS)	36 INDICATORS

- 2. The target setting for each indicator is the next step.** The setting of 82 DIF indicators is adopted by (CG-DIF) that is Chhattisgarh – “District Indicator Framework”.

- 3. Normalization of the raw indicator values**

As per the 82 indicators, the values don't match the standard values which is from 0-100. To arrive at the standard scale normalization process is adopted.

NORMALIZATION SCORE DESCRIPTION	
NORMALIZATION SCORE - 0	LOWEST PERFORMANCE, TARGET NOT ACHIEVED
NORMALIZATION SCORE - 100	HIGH PERFORMANCE, TARGET ACHIEVED

Below are the **Positive & Negative Indicators** which are known from the nature of the indicators

POSITIVE & NEGATIVE INDICATOR		
TYPE OF INDICATOR	DESCRIPTION	FORMULA FOR COMPUTATION
<b>POSITIVE</b>	Higher the value, better performance. (ex- proportion of institutional deliveries)	$x' = \frac{x - \min(x)}{T(x) - \min(x)} * 100$ <p>X= raw data value                      Min(x) =minimum observed value of the indicator in the dataset.                      T(x)=target value for the indicator                      X'=normalized value</p>
<b>NEGATIVE</b>	Indicators where the values show low performance. (ex- under 5 mortality rate)	$x' = \frac{\max(x) - x}{\max(x) - T(x)}$ <p>X= raw data value                      max(x)=maximum observed value of the indicator in dataset                      T(x)=target value for the indicator                      X'=normalized value</p>

**4. Computation of District Scores - Goal wise:** It is estimated as the arithmetic mean of the normalized values of all indicators under the goal for each district.

**5. Computation of Composite SDG score**

For every district it is important to calculate the composite SDG scores for the 15 goals. This score depicts the overall position of the districts in achieving the SDGs. Districts are classified into four categories based on the composite score. (SCORE RANGE = 0-10)

FOUR CATEGORIES	
CATEGORY SCORE WISE	COLOR CODING
ACHIEVER (100)	
FRONT RUNNER (65-99)	
PERFORMER (50-64)	
ASPIRANT (0-49)	

## 5. ANALYSIS OF OBSERVATION & INTERPRETATIONS

### 5.1 INTRODUCTION

The Raw data is collected from various government sources & departments and have been computed to the normalized score value which is the standard scale from (0-100). After arriving at the normal values the Goal Score is calculated district wise and also the composite SDG score is calculated. The analysis is done on the basis of the SDG scores and the progress is analyzed district wise and overall performance of the State in each goal is also determined.

### 5.2 ANALYSIS OF THE GOAL-WISE, INDICATOR WISE DISTRICT'S PROGRESS

#### SDG GOAL 1 – NO POVERTY

It seeks to eradicate poverty in all of its forms and manifestations across the world. The major purpose of this goal is to guarantee that all people, regardless of background or circumstance, have access to basic requirements and chances to improve their living conditions. Poverty eradication is viewed as a critical step towards attaining sustainable development and promoting social progress.. *Interpretation-* The composite score of Chhattisgarh in Goal 1 is 42 that comes under the category of ASPIRANT. This means that extra effort will be required to achieve this goal by 2030. Dhamtari has attained the top position in overall composite score of districts. Surguja & Korba are in the bottom and immediate action should be taken. In total there were 3 Districts in the PERFORMER CATEGORY & 24 Districts in the ASPIRANT CATEGORY.

#### PERFORMANCE OF DISTRICTS - INDICATOR WISE Goal 1 & 2

District	1.2.1 District score	1.3.1 Percentage of households with any usual member covered by a health scheme or health insurance, (in percentage)	1.3.2 Percentage of population covered by Social Protection Schemes (Old age/widow, divorced, separated, destitute/disabled)	1.3.3 Persons provided employment as a percentage of persons who demanded employment under Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA)	1.3.4 Number of persons who have worked in MGNREGA as a proportion of disabled persons registered in MGNREGA	1.3.5 Percentage of households living in kuccha houses (rural)	Goal score (2021)	Trend status 2021 in comparison to baseline year 2015	Goal Score(2015)	District	2.1.1 Children under 5 years who are underweight (weight-for-age) (%)	2.1.2 Proportion of beneficiaries covered under Chhattisgarh National Food Security Act 2012, (in %)	2.2.1 Children under 5 years who are stunted (height-for-age) (%)	2.2.2 Pregnant women age 15-49 years who are anaemic (<11.0 g/dl) (%)	2.2.3 Adolescent (15-19 years) who are anaemic (%)	2.3.1 Agriculture productivity of rice (in kg per hectare)	2.3.2 Agriculture productivity of wheat (in kg per hectare)	Goal score (2021)	Trend status 2021 in comparison to baseline year 2015	Goal Score(2015)
Belod	98.09	48.13	3.64	55.83	43.32	67.13	53	↑	40	Belod	22.85	90.25	42.26	62.50	28.21	100.00	53.50	57	↑	34
Beloda Bazar	92.82	14.22	3.79	66.18	31.99	65.40	46	↑	48	Beloda Bazar	27.15	33.05	26.99	50.32	30.93	89.97	79.05	48	→	48
Balrampur	32.54	4.61	5.01	47.81	14.46	20.13	21	↓	54	Balrampur	16.52	49.15	39.12	35.42	40.81	42.04	81.18	43	↓	54
Bastar	30.14	22.32	1.32	32.55	0.00	67.68	26	→	38	Bastar	2.04	26.69	11.92	13.78	0.00	26.13	99.82	26	↓	33
Bemetara	98.09	7.39	2.43	36.55	25.79	48.70	36	→	36	Bemetara	41.86	42.80	32.22	61.54	46.39	75.46	66.50	52	↑	36
Bijapur	50.72	32.95	0.64	97.85	19.55	37.39	40	↓	62	Bijapur	0.00	19.07	0.00	43.75	19.63	27.73	92.73	29	↓	38
Bilaspur	95.17	0.00	4.21	49.56	62.69	73.08	46	→	40	Bilaspur	40.95	31.78	58.79	74.04	23.75	87.99	70.95	55	↓	62
Dantewada	0.00	54.96	2.17	60.55	23.07	12.33	35	→	35	Dantewada	0.68	19.49	17.15	39.42	8.84	19.42	100.00	29	↓	35
Dhamtari	100.00	86.60	4.50	81.18	40.20	89.48	64	↑	50	Dhamtari	38.91	77.54	48.74	65.71	38.37	100.00	73.95	63	↑	52
Durg	98.09	16.50	0.67	45.03	32.23	81.16	46	→	27	Durg	41.63	36.02	31.17	74.36	35.13	79.17	67.23	52	↑	31
Gariyaband	92.82	48.89	6.05	76.64	28.19	37.67	48	↑	43	Gariyaband	54.30	69.07	52.09	51.76	22.72	57.64	98.41	58	↑	37
Janjgir Champa	92.34	34.21	5.95	36.99	29.34	21.18	37	→	43	Janjgir Champa	35.97	64.83	44.56	44.23	22.40	49.97	100.00	52	↓	67
Jashpur	37.32	50.91	4.69	23.10	1.26	38.18	26	→	27	Jashpur	28.28	65.68	37.66	53.04	36.66	16.87	74.55	45	→	46
Kabirdham	50.24	29.40	4.87	70.46	18.07	32.20	34	→	34	Kabirdham	42.53	22.46	33.26	83.33	51.08	0.00	46.35	40	↓	43
Kanker	92.90	61.54	2.71	64.53	41.03	44.59	49	↑	37	Kanker	22.62	47.88	60.67	86.86	19.52	53.61	75.91	52	↑	45
Kondagaon	30.54	50.91	2.52	65.22	30.23	37.04	36	→	33	Kondagaon	8.82	30.93	33.89	0.00	1.60	8.05	90.27	25	↓	38
Korba	68.42	0.30	3.21	0.84	1.04	31.77	18	↓	30	Korba	41.18	13.98	39.96	52.88	24.44	79.62	52.91	44	→	38
Korea	55.98	9.87	2.20	70.00	20.71	47.84	34	→	24	Korea	32.35	41.10	45.40	53.69	43.80	64.22	60.77	49	→	49
Mahasamund	76.47	39.78	4.92	30.59	31.45	59.89	41	→	31	Mahasamund	45.93	70.34	35.56	49.84	28.98	28.12	78.09	48	→	46
Mungeli	85.17	19.03	6.19	44.41	31.01	64.15	42	↑	38	Mungeli	35.07	35.59	49.58	59.78	43.77	88.69	63.68	54	↓	61
Narayanpur	16.27	57.24	5.06	66.11	41.82	0.00	31	→	28	Narayanpur	14.93	30.93	21.13	48.72	13.57	3.77	100.00	33	↓	40
Raigarh	74.16	14.73	7.38	1.07	23.78	44.04	28	→	32	Raigarh	40.95	38.98	30.75	53.53	36.51	47.04	91.59	48	↓	54
Raipur	92.82	41.55	0.00	43.89	31.13	55.52	44	→	40	Raipur	31.22	0.00	45.19	80.93	31.21	100.00	100.00	56	↑	37
Rajnandgaon	93.78	51.42	2.86	79.66	22.48	50.71	50	→	38	Rajnandgaon	34.16	62.71	54.81	88.62	39.23	44.22	65.09	56	↑	38
Sukma	0.00	44.59	3.87	68.28	50.14	57.07	37	→	32	Sukma	19.68	43.64	25.10	34.94	4.58	38.08	0.00	24	→	25
Surajpur	32.54	44.33	3.32	57.90	22.48	46.21	34	→	34	Surajpur	31.22	32.63	54.81	51.60	47.74	26.39	81.82	47	↓	60
Surguja	32.54	11.44	5.76	0.00	10.91	40.27	17	↓	33	Surguja	35.07	65.68	51.05	66.03	45.32	24.98	100.00	55	↓	58
Chhattisgarh	74.16	54.45	6.73	49.28	22.26	46.99	42	↑	31	Chhattisgarh	33.48	41.53	40.17	57.37	31.38	57.32	70.41	47	→	45

0-49 Aspirant 50-64 Performer 65-99 Front Runner 100 Achiever

#### SDG GOAL 2 – ZERO HUNGER

Zero Hunger is the United Nations' comprehensive and ambitious global agenda to eliminate hunger, create food security, enhance nutrition, and promote sustainable agriculture by 2030. With an estimated 690 million people currently suffering from chronic hunger and malnutrition, and a growing worldwide population, eradicating hunger remains a major task. SDG 2 seeks to address these challenges comprehensively, addressing not just the urgent needs of vulnerable groups but also the underlying causes of food insecurity and malnutrition. An ambitious promise to end hunger, enhance nutrition, and provide

food security for all by 2030. It includes a variety of initiatives, such as sustainable agriculture, empowering smallholder farmers, combating climate change, minimising food waste, and promoting global collaboration. **Interpretation-** The composite score of Chhattisgarh in Goal 2-Zero Hunger is 47 that comes under the category of ASPIRANT. This means that extra effort will be required to achieve this goal by 2030. Dhamtari has attained the top position in overall composite score of 63. 15 Districts are still under the ASPIRANT CATEGORY and need attention.

## SDG GOAL 3 – GOOD HEALTH & WELLBEING

The United Nations has formed the Good Health and Well-Being Agenda to ensure healthy lives and promote well-being for all people of all ages by 2030. This ambitious aim targets a wide variety of health issues, including lowering mother and child mortality, combatting infectious illnesses, supporting mental health, and attaining universal health care. SDG 3 recognises that health is more than just the absence of sickness; it includes physical, mental, and social well-being. SDG 3 is centred on reducing maternal mortality and achieving universal access to high-quality maternal and reproductive health care. **Interpretation-** The composite score of Chhattisgarh in Goal 3-Good Health & Well Being is 45 that comes under the category of ASPIRANT. More than 50% of the districts are in the ASPIRANT category which is concerning for the State. The State has performed well in the indicator 3.1.1 (institutional deliveries) and 3.2.1 (under five mortality rate) has achieved FRONT RUNNER status. Kabirdham & Janjgir Champa has achieved FRONT RUNNER & PERFORMER status respectively and are the top performing districts for the State.

District	4.1.1 Adjusted Net Enrollment Ratio in elementary (class 1-8) education	4.1.2 Gross Enrollment Ratio in higher secondary (class 11-12) education	4.1.3 Percentage of students in grade 8 achieving at least a minimum proficiency level in terms of nationally defined learning outcomes to be attained by pupils at the end of each of above grades	4.1.4 Average annual dropout rate at secondary level (class 9-10)	4.1.1 Gross enrollment ratio (GER) in higher education	4.a.1 Proportion of schools with access to: basic drinking water	4.a.2 Proportion of schools with access to: basic sanitation facilities	4.c.1 Proportion of trained teachers at secondary level (class 9-10)	4.c.2 Pupil Teacher ratio at secondary level (class 9-10)	Goal score(2021)	Trend status 2021 in comparison to baseline year 2015	Goal Score(2015)	District	3.1.1 Percentage of Institutional Deliveries conducted (Including C-Sections)	3.2.1 Under-five mortality rate, (per 1,000 live births)	3.2.2 % of children aged 12-23 months fully immunized	3.3.1 Tuberculosis incidence per 1,00,000 population	3.4.1 Suicide mortality rate, (per 1,00,000 population)	3.8.1 Total physicians, nurses and midwives per 10,000 population	3.6.1 People killed in road accidents (per 1,00,000 population)	Goal score(2021)	Trend status 2021 in comparison to baseline year 2015	Goal Score (2015)
Balod	30.68	48.45	44.71	100.00	45.36	100.00	87.48	75.94	100.00	70.28	↔	70	Balod	97.90	74.73	68.84	57.37	33.64	6.03	58.40	57	↓	57
Baloda Bazar	92.46	43.40	33.56	8.62	7.73	97.52	66.98	63.21	100.00	57.05	↔	63	Baloda Bazar	95.38	61.54	52.21	62.63	56.02	0.00	52.97	54	↔	43
Balrampur	92.43	23.29	75.43	24.56	24.81	100.00	46.97	38.52	100.00	58.45	↔	59	Balrampur	97.48	36.26	49.68	54.74	42.88	4.62	35.76	46	↔	39
Bastar	37.72	22.38	40.92	21.83	4.27	0.00	50.94	38.92	100.00	35.42	↓	50	Bastar	90.76	48.35	10.11	34.21	55.57	7.23	35.31	40	↓	40
Bemetara	99.56	46.45	2.00	0.00	21.79	100.00	67.50	63.19	100.00	55.61	↔	56	Bemetara	92.86	74.73	86.11	71.05	60.57	0.47	22.63	58	↓	59
Bijapur	36.64	9.19	50.85	81.33	20.47	100.00	0.00	0.00	100.00	44.28	↑	36	Bijapur	18.07	27.47	54.53	30.53	62.17	12.86	28.97	34	↓	45
Bilaspur	90.66	42.69	44.64	5.57	100.00	100.00	43.96	83.30	100.00	67.87	↑	66	Bilaspur	93.28	63.74	0.00	24.74	60.53	1.55	55.68	43	↓	51
Dantewada	0.00	19.16	39.93	86.57	6.71	100.00	37.60	19.95	100.00	45.55	↔	46	Dantewada	59.66	0.00	52.84	4.74	42.22	13.71	36.67	30	↓	30
Dhamtari	49.83	44.97	0.00	86.68	22.91	100.00	81.81	53.69	100.00	59.99	↔	59	Dhamtari	99.58	100.00	59.16	40.53	37.48	6.24	44.36	55	↔	50
Durg	36.00	44.32	9.06	96.62	66.18	100.00	84.15	78.95	100.00	68.46	↑	63	Durg	97.06	74.73	63.58	0.53	50.03	2.21	74.69	52	↓	54
Gariyaband	60.56	27.20	31.82	29.15	29.23	100.00	78.19	57.55	100.00	57.08	↑	56	Gariyaband	73.95	61.54	60.21	53.68	48.07	6.59	48.89	50	↓	50
Janjgir Champa	77.97	47.53	66.44	64.19	24.24	100.00	55.69	66.93	100.00	67.00	↑	57	Janjgir Champa	99.16	85.71	69.47	66.32	44.86	2.43	67.45	62	↔	54
Jashpur	89.70	38.82	60.99	67.90	8.08	100.00	76.89	44.43	100.00	65.20	↑	61	Jashpur	98.74	64.84	87.79	55.79	36.22	9.89	43.46	57	↔	45
Kabirdham	68.83	36.20	17.61	19.10	13.47	100.00	50.44	52.44	100.00	50.90	↔	58	Kabirdham	96.64	98.90	90.32	62.11	70.66	0.24	73.34	70	↑	51
Kanker	45.93	44.73	56.76	78.93	10.40	100.00	75.33	45.01	100.00	61.92	↑	59	Kanker	98.74	100.00	77.89	56.84	28.64	11.96	19.92	56	↔	51
Kondagaon	51.51	38.58	27.06	48.03	0.41	100.00	61.24	41.31	100.00	52.01	↔	51	Kondagaon	90.34	48.35	37.05	58.42	37.45	7.07	27.16	44	↓	45
Korba	54.86	33.39	63.26	50.87	12.88	100.00	58.26	60.42	100.00	59.33	↔	64	Korba	97.48	50.55	33.47	54.21	55.41	4.26	43.46	48	↓	51
Korea	59.20	31.38	62.97	7.10	8.39	100.00	41.74	63.39	100.00	52.68	↓	61	Korea	89.50	21.98	72.84	54.74	30.40	8.62	38.48	45	↓	49
Mahasamund	81.96	38.77	42.02	4.04	14.46	100.00	69.74	54.65	100.00	56.18	↓	65	Mahasamund	97.06	87.91	62.32	48.95	40.90	3.18	30.33	53	↔	46
Mungeli	100.00	40.13	13.47	7.53	0.51	100.00	86.77	61.07	100.00	56.61	↔	56	Mungeli	88.55	63.74	57.26	63.68	73.47	2.90	64.28	59	↔	49
Narayanpur	34.55	19.40	27.17	0.33	2.02	100.00	22.42	37.93	100.00	38.20	↓	47	Narayanpur	0.00	76.92	78.32	18.42	48.21	17.52	0.00	34	↓	39
Raigarh	55.70	34.24	37.84	34.61	19.81	100.00	71.66	58.25	100.00	56.90	↔	58	Raigarh	95.80	64.84	80.84	39.47	56.26	4.45	49.80	56	↔	44
Raipur	76.86	39.34	30.55	60.81	68.60	100.00	87.01	70.32	100.00	70.39	↑	65	Raipur	97.06	61.54	45.68	0.00	40.40	0.07	25.35	39	↓	48
Rajnandgaon	60.59	48.03	69.91	67.79	25.38	100.00	81.74	54.91	100.00	67.15	↔	68	Rajnandgaon	94.12	73.63	81.05	60.00	51.88	3.63	36.22	57	↔	54
Sukma	22.99	0.00	36.09	44.98	0.00	100.00	26.24	23.51	100.00	39.31	↓	34	Sukma	82.77	0.00	43.79	23.68	55.21	11.26	28.52	35	↔	33
Surajpur	58.35	31.64	79.54	20.96	3.06	88.12	71.49	54.41	100.00	56.40	↔	64	Surajpur	92.02	36.26	55.16	78.42	48.66	8.20	23.99	49	↑	24
Surgeja	43.45	30.24	72.16	56.33	39.64	100.00	76.07	54.37	100.00	63.58	↔	64	Surgeja	96.64	36.26	67.58	40.00	34.14	7.77	52.97	48	↔	45
Chhattisgarh	64.87	37.89	42.83	42.90	32.38	99.07	64.59	54.49	100.00	59.22	↔	61	Chhattisgarh	92.86	72.09	57.26	43.68	0.00	4.24	44.82	45	↔	40

## PERFORMANCE OF DISTRICTS - INDICATOR WISE Goal 3 & 4

0-49	Aspirant	50-64	Performer	65-99	Front Runner	100	Achiever
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## SDG GOAL 4 – QUALITY EDUCATION

It focuses on providing inclusive and equitable quality education to all. It recognises the importance of education in empowering individuals, encouraging long-term growth, and advancing social and economic progress. SDG 4 aspires to break the cycle of poverty by ensuring access to excellent education, reducing inequalities, and creating a wealthier and just society. No kid or individual should be left behind because



of discrimination or a lack of resources. **Interpretation-** The composite score of Chhattisgarh in Goal-4 Quality Education is 59 that comes under the category of PERFORMER. Almost seven districts are in the FRONT RUNNER category & more than 50% of the districts are in the PERFORMER category. ACHIEVER status is achieved in indicators like access to basic water (4.a.1) & also the pupil teacher ratio (4.c.2). Balod & Ranjanagaon are the top performing districts whereas Bastar & Narayanpur need improvement.

## SDG GOAL 5- GENDER EQUALITY

The aim is to achieve gender equality and to empower all women and girls. The Commission acknowledges that promoting equal opportunities for women and men is not only a human rights issue, but also an engine of progress in the areas of social development, prosperity as well as sustainable growth. By tackling deep-rooted gender inequities, SDG 5 strives to tear down barriers and build a society in which women and girls may fully engage in all parts of life without discrimination or bias. **Interpretation-** The composite score of Chhattisgarh in Goal-5 Gender Equality is 56 that comes under the category of PERFORMER. Districts like Balod, Bemetara, Kondagaon & Kanker achieved FRONT RUNNER status & the top performing districts in the State. Overall there are 8 PERFORMER category districts & 9 ASPIRANT category districts. Chhattisgarh is leading nationwide in Indicator (5.5.1) – proportion of seats held by women in Local self-government-three tier panchayat & ULB election having status of ACHIEVER.

## PERFORMANCE OF DISTRICTS - INDICATOR WISE Goal 5 & 6

District	0-49		Aspirant		50-64		Performer		65-99		Front Runner		100		Achiever		Goal score(2021)	Trend status 2021 in comparison to baseline year 2015	Goal Score (2015)			
	5.1.1 Rate of crimes against women per 1,00,000 female population	5.1.2 Sex Ratio at Birth	5.2.1 Per lakh women who have experienced cruelty/physical violence by husband or his relative during the calendar year	5.5.1 Proportion of seats held by women in Local Self Government three tier panchayat and ULB election, (in percentage)	5.6.1 Unmet need for family planning for currently married women aged 15-49 years (in %)	5.a.1 Operational land holdings (Female operated operational Holdings)	Goal score(2021)	Trend status 2021 in comparison to baseline year 2015	Goal Score(2015)	District	6.1.1 % of Rural Population getting safe and adequate drinking water within premises through Pipe	6.1.2 % of Urban Population getting safe and adequate drinking water within premises through Pipe Water	6.1.3 % of Rural population using an improved drinking water source (Population covered with >=40 LPCD)	6.1.4 % of Urban population using an improved drinking water source	6.2.1 Proportion of Rural households having access to toilet facility	6.2.2 % of Gram Panchayat (GP) achieving Open Defecation Free (ODF) target				6.2.3 Proportion of schools with separate toilet facility for girls (in %)	6.4.1 Percentage ground water withdrawal against availability	6.6.1 % of blocks (Mandals/Blocks) fully exploited
Balod	53.31	100.00	75.47	100.00	83.75	13.05	71	↑	53	Balod	64.27	63.46	99.61	41.51	100.00	100.00	82.96	82.96	100.00	83	↔	52
Baloda Bazar	37.94	100.00	56.84	100.00	66.88	7.19	61	↔	49	Baloda Bazar	64.06	17.31	96.86	0.00	100.00	100.00	70.74	70.74	100.00	72	↓	47
Balrampur	0.57	44.88	64.44	100.00	0.00	8.54	36	↓	46	Balrampur	11.35	5.77	99.94	30.19	100.00	100.00	76.07	76.07	100.00	70	↓	48
Bastar	48.27	100.00	67.52	100.00	24.38	100.00	73	↔	74	Bastar	29.63	71.15	99.66	79.25	100.00	100.00	56.57	56.57	100.00	79	↓	52
Bemetara	49.32	93.66	72.05	100.00	68.75	10.65	66	↔	54	Bemetara	87.01	69.23	86.09	79.25	100.00	100.00	100.00	100.00	100.00	92	↑	50
Bijapur	67.76	100.00	100.00	100.00	3.13	11.88	64	↔	60	Bijapur	0.00	46.15	99.66	81.13	100.00	100.00	0.00	0.00	100.00	63	↓	35
Bilaspur	13.50	100.00	36.32	100.00	35.00	10.64	50	↓	56	Bilaspur	35.01	23.08	98.21	3.77	100.00	100.00	100.00	100.00	100.00	76	↓	54
Dantewada	66.80	100.00	88.12	100.00	55.63	6.85	70	↓	61	Dantewada	23.23	0.00	99.83	52.83	100.00	100.00	100.00	100.00	100.00	78	↑	42
Dhamtari	40.49	100.00	74.44	100.00	71.88	11.68	66	↓	56	Dhamtari	76.53	92.31	94.90	94.34	100.00	100.00	74.38	74.38	100.00	91	↑	57
Durg	18.15	8.29	0.00	100.00	69.38	13.16	35	↑	18	Durg	78.65	55.77	69.43	62.26	100.00	100.00	85.83	85.83	100.00	84	↑	47
Gariyaband	45.55	100.00	88.63	100.00	78.13	9.62	70	↔	72	Gariyaband	44.83	51.92	73.36	67.82	100.00	100.00	69.57	69.57	100.00	78	↓	52
Janjgir Champa	36.41	0.00	64.96	100.00	60.63	6.42	45	↔	38	Janjgir Champa	65.61	9.62	70.50	56.60	100.00	100.00	96.88	96.88	100.00	80	↑	47
Jashpur	30.70	76.10	70.00	100.00	19.38	0.00	49	↔	51	Jashpur	31.62	42.31	73.98	62.26	100.00	100.00	88.30	88.30	100.00	79	↓	53
Kabirdham	40.07	15.12	54.19	100.00	61.25	6.07	46	↔	47	Kabirdham	74.79	51.92	76.50	58.49	100.00	100.00	98.05	98.05	100.00	86	↑	57
Kanker	45.98	100.00	77.26	100.00	81.25	22.67	71	↑	39	Kanker	26.87	0.00	94.90	66.04	100.00	100.00	80.88	80.88	100.00	75	↓	52
Kondagaon	71.47	100.00	85.47	100.00	76.88	6.92	73	↑	63	Kondagaon	22.37	61.54	98.43	58.49	100.00	100.00	98.05	98.05	100.00	84	↑	44
Korba	43.67	94.63	72.65	100.00	16.25	6.19	56	↓	50	Korba	22.28	67.31	0.00	79.25	100.00	100.00	82.44	82.44	100.00	73	↓	53
Korea	0.00	33.66	39.40	100.00	21.25	14.19	35	↓	40	Korea	24.47	51.92	100.00	81.13	100.00	100.00	98.31	98.31	100.00	85	↓	59
Mahasamund	55.82	100.00	86.84	100.00	65.63	9.23	70	↑	54	Mahasamund	34.63	61.54	78.35	62.26	100.00	100.00	100.00	100.00	100.00	84	↓	57
Mungeli	48.28	100.00	55.56	100.00	28.75	8.07	57	↓	61	Mungeli	37.82	44.23	97.03	89.06	100.00	100.00	100.00	100.00	100.00	83	↔	48
Narayanpur	12.20	100.00	75.47	100.00	42.50	4.62	56	↓	54	Narayanpur	25.94	71.15	52.66	52.83	100.00	100.00	100.00	100.00	100.00	80	↑	39
Raigarh	26.54	8.29	37.95	100.00	35.63	3.99	35	↓	43	Raigarh	41.27	75.00	72.91	84.91	100.00	100.00	90.77	90.77	100.00	86	↑	50
Raipur	13.70	100.00	43.59	100.00	61.88	11.39	55	↓	48	Raipur	73.43	53.85	30.90	52.83	100.00	100.00	100.00	100.00	100.00	81	↓	59
Rajnandgaon	63.69	94.15	60.26	100.00	60.63	12.03	65	↓	64	Rajnandgaon	57.34	69.23	97.81	66.04	100.00	100.00	100.00	100.00	100.00	89	↔	56
Sukma	61.35	63.41	72.91	0.00	52.50	5.26	43	↓	62	Sukma	9.71	46.15	69.43	73.58	100.00	100.00	91.42	91.42	100.00	78	↑	46
Surajpur	26.59	59.02	62.82	100.00	11.88	0.34	43	↓	42	Surajpur	13.75	42.31	86.48	35.85	100.00	100.00	93.11	93.11	100.00	76	↓	49
Surujia	21.78	100.00	46.58	100.00	6.25	7.31	47	↓	57	Surujia	15.74	82.68	98.71	81.13	100.00	100.00	88.43	88.43	100.00	86	↓	64
Chhattisgarh	39.92	80.49	57.26	100.00	48.43	10.00	56	↔	54	Chhattisgarh	44.50	51.15	81.94	55.47	100.00	100.00	87.13	87.13	100.00	81	↑	43

## SDG GOAL 6- CLEAN WATER & SANITISATION

It focuses on guaranteeing universal access to clean water and sanitation, which are recognised as essential human rights. Clean water and sanitation are critical for preserving good health, eliminating poverty, boosting economic growth, and safeguarding the environment. SDG 6 seeks to enhance billions of people's lives while also protecting our planet for future generations by tackling the global water and sanitation

issue. At the core of SDG 6 is the objective of providing universal and equitable access to clean and affordable drinking water for all. Clean water is not only essential for life, but also for total well-being and human growth. **Interpretation-** The composite score of Chhattisgarh in Goal-6 Clean Water & Sanitation is 82 that comes under the category of FRONT RUNNER category. All districts come under this category. The State has performed well in this Goal. Bemetara has attained the highest score and is the best performing district. Indicators like 6.2.1 Rural, 6.2.1 Urban, 6.2.2 & 6.6.1 come under the ACHIEVER category.

## SDG GOAL 7- AFFORDABLE CLEAN ENERGY

It aspires to guarantee that everyone has access to inexpensive, dependable, sustainable, and contemporary energy. Clean energy is an important part of achieving this objective, since it focuses on lowering carbon emissions, combatting climate change, and offering environmentally friendly energy alternatives. Clean energy, produced from renewable sources such as solar, wind, hydro, and geothermal power, is critical in minimising the negative impacts of traditional energy sources such as fossil fuels on climate change and air pollution. **Interpretation-** The composite score of Chhattisgarh in Goal-7 Affordable Clean Energy is 86 that comes under the category of FRONT RUNNER category. Majority of the districts come under this category. The State has performed well in this Goal. Raipur has attained the highest score and is the best performing district with ACHIEVER category. Districts like Bijapur, Sukma & Narayanpur perform poorly and need attention.

## PERFORMANCE OF DISTRICTS - INDICATOR WISE Goal 7 & 8

District	8.5.1 Workforce Participation Ratio (WPR) (in rate per 100) (3 Total by male & female)	8.5.2 Labour force participation rate (%) (15-59 years)	8.10.1 Number of banking outlets per 1,00,000 population	8.10.2 Automated Teller Machines (ATMs) per 1,00,000 population	8.10.3 Proportion of women account holders in PMIDY	Goal score(2021)	Trend status 2021+2:2021 in comparison to baseline year 2015	Goal Score(2015)	District	7.1.1 Percentage of households electrified	7.1.2 Percentage of household using clean cooking fuel	Goal score(2021)	Trend status 2021 in comparison to baseline year 2015	Goal Score(2015)
Balod	38.46	33.94	20.61	15.13	0.00	22	↔	14	Balod	100.00	67.69	84	↔	59
Baloda Bazar	54.33	3.59	8.24	10.09	100.00	35	↑	29	Baloda Bazar	100.00	73.85	72	↑	45
Balrampur	35.33	2.65	4.12	0.00	100.00	28	↓	28	Balrampur	100.00	44.62	87	↑	30
Bastar	27.50	11.30	24.73	25.22	100.00	38	↔	33	Bastar	100.00	69.23	85	↑	37
Bemetara	24.07	11.96	8.24	7.57	100.00	30	↓	29	Bemetara	100.00	81.54	91	↑	43
Bijapur	31.56	0.00	32.98	10.09	100.00	35	↔	24	Bijapur	34.32	0.00	17	↓	28
Bilaspur	51.98	8.89	37.10	40.35	100.00	48	↔	40	Bilaspur	100.00	87.69	94	↔	68
Dantewada	40.77	9.64	28.85	35.31	100.00	43	↔	38	Dantewada	95.67	52.31	74	↑	29
Dhamtari	56.80	34.13	28.85	20.18	100.00	48	↔	41	Dhamtari	100.00	92.31	96	↔	81
Durg	52.12	22.60	37.10	60.53	100.00	54	↑	42	Durg	100.00	93.85	97	↔	85
Gariyaband	45.87	15.73	8.24	7.57	100.00	35	↔	31	Gariyaband	100.00	70.77	85	↑	40
Janjgir Champa	46.80	10.18	12.37	15.13	100.00	37	↓	26	Janjgir Champa	100.00	76.92	88	↔	65
Jashpur	1.53	2.11	8.24	7.57	100.00	24	↓	24	Jashpur	100.00	69.23	85	↑	35
Kabirdham	65.31	3.24	8.24	12.61	100.00	38	↔	27	Kabirdham	100.00	58.46	79	↑	42
Kanker	7.50	14.72	20.61	15.13	100.00	32	↓	31	Kanker	100.00	61.54	81	↔	56
Kondagaon	0.00	12.64	4.12	7.57	100.00	25	↓	27	Kondagaon	100.00	60.00	80	↑	44
Korba	57.02	13.36	12.37	27.74	100.00	42	↔	33	Korba	100.00	56.92	78	↔	55
Korea	59.59	13.67	28.85	17.65	100.00	44	↔	36	Korea	100.00	53.85	77	↑	46
Mahasamund	63.50	5.77	20.61	15.13	100.00	41	↔	30	Mahasamund	100.00	78.46	89	↔	62
Mungeli	6.07	10.81	0.00	5.04	100.00	24	↓	26	Mungeli	100.00	58.46	79	↑	48
Narayanpur	6.36	20.95	24.73	22.70	100.00	35	↓	31	Narayanpur	67.45	32.31	50	↔	27
Raigarh	43.81	9.70	16.49	25.22	100.00	39	↔	35	Raigarh	100.00	58.46	79	↔	65
Raipur	80.40	21.83	61.83	83.23	100.00	69	↑	52	Raipur	100.00	100.00	100	↔	89
Rajnandgaon	66.76	19.99	16.49	17.65	100.00	44	↑	32	Rajnandgaon	100.00	89.23	95	↔	67
Sukma	60.33	18.15	16.49	2.52	100.00	39	↑	23	Sukma	0.00	16.92	8	↓	0
Surajpur	33.07	20.79	12.37	7.57	100.00	35	↓	34	Surajpur	100.00	64.62	82	↑	35
Surguja	19.27	12.43	20.61	22.70	100.00	35	↔	31	Surguja	100.00	73.85	87	↑	51
Chhattisgarh	47.35	13.69	20.61	25.22	100.00	41	↔	34	Chhattisgarh	97.83	73.85	86	↔	60

0-49	Aspirant	50-64	Performer	65-99	Front Runner	100	Achiever
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## SDG GOAL 8- DECENT WORK & ECONOMIC GROWTH

It is designed to promote sustained, inclusive and sustainable economic growth, full and productive employment for all workers as well as decent work in general. **Interpretation-** The composite score of Chhattisgarh in Goal-8 Decent Work & Economic Growth is 41 that comes under the category of

ASPIRANT. Majority of the districts come under this category. The State has performed poor in this goal. Raipur has attained the category of FRONT RUNNER & Durg has attained PERFORMER category. However, Except Balod all other districts have performed exceptionally well in indicator (8.10.3) that is the proportion of women account holder in PMJDY.

### SDG GOAL 9- INDUSTRY, INNOVATION & INFRASTRUCTURE

It is a vital pillar of global development, comprising a wide range of industries that have a significant impact on economies and communities. Infrastructure development, innovation, and industrialization are critical to increasing productivity, creating employment, promoting technological advances, and raising living standards. By investing in these sectors, governments may strengthen their economies, eliminate disparities, and promote sustainable consumption and production practices. **Interpretation-** The composite score of Chhattisgarh in Goal-9 Industry, Innovation & Infrastructure is 48 that comes under the category of ASPIRANT. Majority of the districts come under this category. The State has performed poor in this goal. Durg has performed well and has highest score among the districts. Total of 18 districts are under performer category & 9 are in the aspirant category.

### PERFORMANCE OF DISTRICTS – INDICATOR WISE Goal 9 & 10

		0-49	Aspirant	50-64	Performer	65-99	Front Runner	100	Achiever			
District	9.1.1 Percentage of targeted habitations connected by all-weather roads under Pradhan Mantri Gram Sadak Yojana	9.2.1 Manufacturing employment as a proportion of total employment (in percentage)	Goal score(2021)	Trend status 2021 in comparison to baseline year 2015	Goal Score(2015)	District	10.2.1 Proportion of SC/ST persons in local Elected bodies	10.2.2 Percentage of population in the lowest two wealth quintiles as per the Wealth Index	10.4.1 Rate total crime against SCs/STs	Goal score(2021)	Trend status 2021 in comparison to baseline year 2015	Goal Score(2015)
Balod	100.00	1.12	51	→	50	Baloda Bazar	71	64	61	65	→	68
Baloda Bazar	100.00	7.04	54	→	47	Balrampur	76	8	60	48	→	60
Balrampur	97.73	0.64	49	→	45	Bastar	100	23	66	63	→	68
Bastar	97.73	2.27	50	→	40	Bemetara	100	70	96	89	↑	59
Bemetara	100.00	0.78	50	→	41	Bijapur	100	8	99	69	→	70
Bijapur	18.18	0.11	9	→	1	Bilaspur	100	59	86	82	↑	75
Bilaspur	100.00	3.57	52	→	45	Dantewada	100	20	97	73	↑	68
Dantewada	56.82	0.00	28	↓	35	Dhamtari	100	77	73	83	↑	69
Dhamtari	100.00	6.47	53	→	49	Durg	100	97	83	93	↑	79
Durg	100.00	25.46	63	→	61	Gariyaband	0	46	70	39	↓	88
Gariyaband	97.73	0.48	49	→	41	Janjgir Champa	56	61	41	53	↓	81
Janjgir Champa	100.00	6.92	53	→	53	Jashpur	100	12	82	65	→	66
Jashpur	100.00	2.92	51	→	41	Kabirdham	84	62	90	79	↑	62
Kabirdham	100.00	2.26	51	→	47	Kanker	65	46	83	65	→	80
Kanker	81.82	3.55	43	→	40	Kondagaon	6	13	83	34	↓	69
Kondagaon	97.73	0.11	49	→	37	Korba	5	54	84	48	↓	82
Korba	100.00	2.55	51	→	37	Korea	94	33	70	66	→	73
Korea	100.00	3.29	52	→	49	Mahasamund	82	52	81	72	→	75
Mahasamund	100.00	5.30	53	→	51	Mungeli	40	51	87	59	→	72
Mungeli	100.00	0.82	50	→	41	Narayanpur	100	16	95	70	→	68
Narayanpur	95.45	1.89	49	↑	1	Raigarh	100	54	81	78	→	81
Raigarh	100.00	7.40	54	→	48	Raipur	100	90	0	63	↑	32
Raipur	100.00	22.09	61	→	54	Rajnandgaon	100	70	98	89	↑	82
Rajnandgaon	95.45	6.09	51	→	45	Sukma	100	0	93	64	→	68
Sukma	0.00	0.90	0	↓	23	Surajpur	100	25	86	70	↑	59
Surajpur	100.00	2.01	51	→	48	Surguja	100	22	90	71	→	66
Surguja	100.00	5.72	53	→	50	Chhattisgarh	100	56	73	76	→	80
Chhattisgarh	90.05	6.86	48	→	45							

### SDG GOAL 10- REDUCED INEQUALITIES

Sustainable Development Goal (SDG) 10 is dedicated to reducing inequalities within and among countries, aiming to create a world that is more inclusive, equitable, and just. The United Nations recognizes that persistent economic, social, and political inequalities can hinder overall development and lead to social unrest. SDG 10 seeks to address these disparities by promoting social and economic inclusion, providing opportunities for marginalized groups, and ensuring equal access to essential services.

This overview delves into the importance of SDG 10, its targets, progress, challenges, and potential solutions to build a more inclusive society. **Interpretation-** The composite score of Chhattisgarh in Goal-10 Reduced Inequalities is 76 that comes under the category of FRONT RUNNER. Majority of the districts come under this category. Chhattisgarh has attained the top position in this Goal in the Country as per SDG India index 3.0. Durg has performed well and has highest score among the districts. Total of 18 districts are under front runner category & 4 are in the aspirant category.

## SDG GOAL 11- SUSTAINABLE CITIES & COMMUNITIES

It aims to create sustainable cities and communities that embrace inclusion, security, resilience and environmental sustainability. The world's cities are confronted with a number of challenges, such as insufficient infrastructure, pollution, slum development and inequality between rich and poor. **Interpretation-** The composite score of Chhattisgarh in Goal-11 Sustainable Cities & Communities is 69 that comes under the category of FRONT RUNNER. 21 districts come under this category. Chhattisgarh has performed well in this goal. Dhamtari & Surguja are the top performing districts for the State. Indicators – 11.6.1 (wards with 100% collection of waste door to door), 11.6.3 (MSW treated against MSW generated), 11.6.4 (installed sewage treatment capacity) has attained ACHIEVER status

### PERFORMANCE OF DISTRICTS – INDICATOR WISE Goal 11 & 12

District	11.1.1 Proportion of Urban Population Living in Slums, Informal Settlements or Inadequate Housing	11.1.2 Percentage of urban households living in katcha houses	11.2.1 People killed/injured in road accidents (per 1,00,000 population)	11.6.1 Percentage of wards with 100% door to door waste collection	11.6.2 Percentage of urban areas having drainage facility (covered)	11.6.3 Percentage Municipal Solid Waste (MSW) treated against MSW generated	11.6.4 Installed sewage treatment capacity as a proportion of septage generated in urban areas	Goal score(2021)	Trend status 2021 in comparison to baseline year 2015	Goal Score(2015)	District	12.4.1 Percentage use of nitrogen fertilizer out of total N,P,K, (Nitrogen-Phosphorus and Potassium)	12.5.1 Per capita hazardous waste generated	12.5.2 Percentage of hazardous waste recycled as a ratio of total hazardous waste generated	12.5.3 Per capita plastic waste generated in urban areas	12.5.4 Proportion of BMW treated to total quantity of BMW generated	12.5.5 Percentage of wards with 100% source segregation	Goal score(2021)	Trend status 2021 in comparison to baseline year 2015	Goal Score(2015)
Balod	0.00	20.00	49.78	100.00	68.66	100.00	100.00	63	↘	17	Balod	100.00	99.59	99.22	68.72	100.00	100.00	95	↘	70
Baloda Bazar	63.16	60.00	45.56	100.00	4.48	100.00	100.00	68	↘	27	Baloda Bazar	37.50	99.37	100.00	76.11	100.00	100.00	85	↗	58
Balrampur	73.68	12.50	54.92	100.00	49.25	100.00	100.00	70	↘	25	Balrampur	100.00	99.98	0.00	80.05	100.00	100.00	80	↘	81
Bastar	36.84	45.00	48.68	100.00	74.63	100.00	100.00	72	↘	31	Bastar	100.00	99.99	98.20	43.10	100.00	100.00	90	↗	58
Bemetara	73.68	40.00	29.81	100.00	44.78	100.00	100.00	70	↘	23	Bemetara	100.00	100.00	NA	71.18	100.00	100.00	94	↘	79
Bijapur	57.89	7.50	0.00	100.00	19.40	100.00	100.00	55	↘	25	Bijapur	100.00	100.00	NA	81.53	100.00	100.00	96	↘	80
Bilaspur	31.58	50.00	54.26	100.00	38.81	100.00	100.00	68	↘	36	Bilaspur	0.00	89.18	85.50	10.10	100.00	100.00	64	↘	52
Dantewada	57.89	12.50	52.87	100.00	0.00	100.00	100.00	60	↗	11	Dantewada	100.00	94.13	97.20	66.01	100.00	100.00	93	↘	76
Dhamtari	63.16	77.50	51.11	100.00	92.54	100.00	100.00	83	↘	23	Dhamtari	100.00	100.00	100.00	61.58	100.00	100.00	94	↘	75
Durg	47.37	70.00	49.94	100.00	46.27	100.00	100.00	73	↘	38	Durg	100.00	61.24	14.70	41.38	100.00	100.00	70	↘	64
Gariyaband	84.21	40.00	37.90	100.00	73.13	100.00	100.00	76	↗	23	Gariyaband	100.00	100.00	100.00	81.03	100.00	100.00	97	↗	71
Janjgir Champa	63.16	30.00	64.61	100.00	70.15	100.00	100.00	75	↗	24	Janjgir Champa	25.00	91.97	99.80	69.70	100.00	100.00	81	↗	38
Jashpur	47.37	15.00	64.10	100.00	23.88	100.00	100.00	64	↗	11	Jashpur	100.00	100.00	NA	74.88	100.00	100.00	95	↗	65
Kabirdham	78.95	57.50	57.50	100.00	73.13	100.00	100.00	81	↘	35	Kabirdham	100.00	99.99	100.00	80.30	100.00	100.00	97	↗	64
Kanker	47.37	37.50	40.75	100.00	37.31	100.00	100.00	66	↗	17	Kanker	100.00	99.96	100.00	73.15	100.00	100.00	96	↘	79
Kondagaon	26.32	25.00	40.09	100.00	55.22	100.00	100.00	64	↗	16	Kondagaon	100.00	100.00	NA	72.17	100.00	100.00	94	↘	79
Korba	94.74	20.00	54.03	100.00	67.16	100.00	100.00	77	↗	23	Korba	75.00	99.37	89.59	50.74	100.00	100.00	86	↗	52
Korea	78.95	25.00	48.65	100.00	41.79	100.00	100.00	71	↘	26	Korea	100.00	99.35	0.54	77.83	100.00	100.00	80	↘	80
Mahasamund	36.84	40.00	51.86	100.00	34.33	100.00	100.00	66	↗	14	Mahasamund	62.50	99.98	76.74	63.55	100.00	100.00	84	↘	71
Mungeli	78.95	20.00	58.97	100.00	37.31	100.00	100.00	71	↗	19	Mungeli	100.00	100.00	100.00	71.67	100.00	100.00	95	↘	75
Narayanpur	73.68	70.00	30.10	100.00	55.22	100.00	100.00	76	↗	21	Narayanpur	100.00	100.00	0.00	81.77	100.00	100.00	80	↘	91
Raigarh	89.47	40.00	63.05	100.00	29.85	100.00	100.00	75	↘	29	Raigarh	87.50	99.97	99.54	71.92	100.00	100.00	93	↗	67
Raipur	73.68	0.00	25.26	100.00	2.99	100.00	100.00	57	↘	20	Raipur	100.00	0.00	93.30	0.00	100.00	100.00	66	↗	26
Rajnandgaon	78.95	47.50	32.86	100.00	79.10	100.00	100.00	77	↗	27	Rajnandgaon	100.00	94.58	0.20	55.42	100.00	100.00	75	↘	66
Sukma	31.58	47.50	32.15	100.00	59.70	100.00	100.00	67	↘	26	Sukma	100.00	99.86	100.00	68.97	100.00	100.00	95	↘	83
Surajpur	89.47	47.50	50.99	100.00	47.76	100.00	100.00	77	↗	24	Surajpur	100.00	99.87	0.00	73.89	100.00	100.00	79	↘	77
Surguja	57.89	60.00	62.25	100.00	70.15	100.00	100.00	79	↘	47	Surguja	100.00	99.30	89.77	25.12	100.00	100.00	86	↘	70
Chhattisgarh	62.11	34.50	48.82	100.00	38.06	100.00	100.00	69	↘	36	Chhattisgarh	100.00	99.95	86.82	37.44	100.00	100.00	87	↘	70

0-49 Aspirant    50-64 Performer    65-99 Front Runner    100 Achiever

## SDG GOAL 12- SUSTAINABLE CONSUMPTION & PRODUCTION

Its aim is to promote sustainable consumption and production patterns in the world. Responsible and efficient use of resources is becoming increasingly important as the world faces increasing ecological issues, such as climate change, biodiversity loss or resource depletion. The Sustainable Development Goal 12 aims to transform global consumption and production patterns into more sustainable and circular models, thereby reducing waste generation, avoiding adverse impact on the environment as well as ensuring a better world for generations to come. **Interpretation-** The composite score of Chhattisgarh in

Goal-12 Sustainable Consumption & Production is 87 that comes under the category of FRONT RUNNER. Except Bilaspur, all other districts are in this category. Chhattisgarh has performed well in this goal and will achieve targets under this goal by 2030.

### SDG GOAL 13- CLIMATE ACTION

The objective of Sustainable Development Goal 13 is to mobilize global efforts towards mitigating climate change, building resilience and ensuring a world that will be viable for generations to come. The purpose of this review is to examine the significance of Sustainable Development Goals 13's objectives, achievements, challenges and potential solutions for addressing climate change and protecting the environment. **Interpretation-** The composite score of Chhattisgarh in Goal-13 Climate Action is 95 that comes under the category of FRONT RUNNER. 14 districts are in the performer category. Chhattisgarh has performed well in this goal. Gariyaband has performed exceptionally well and acquired top position. Bastar & Raigarh need to realign strategies as their performance is poor in this goal.

### PERFORMANCE OF DISTRICTS – INDICATOR WISE Goal 13 & 15

		0-49	Aspirant	50-64	Performer	65-99	Front Runner	100	Achiever		
District	13.1.1 Number of deaths attributed to extreme climate per 1,00,000 population	13.2.1 CO2 saved from LED bulbs per 1000 population	Goal score(2021)	Trend status 2021 in comparison to baseline year 2015	Goal Score(2015)	District	15.2.1 Total area covered under different afforestation schemes (in Hectare) in %	15.7.1 Number of cases registered under the Wildlife Protection Act, 1972	Goal score(2021)	Trend status 2021 in comparison to baseline year 2015	Goal Score(2015)
Balod	97.56	100.00	99	→	56	Balod	22.88	71.43	47	→	51
Baloda Bazar	97.78	100.00	99	→	56	Baloda Bazar	100.00	0.00	50	→	58
Balrampur	82.60	NA	83	→	41	Balrampur	81.92	100.00	91	↑	53
Bastar	0.00	100.00	50	↑	5	Bastar	0.00	100.00	50	→	55
Bemetara	94.63	100.00	97	↑	52	Bemetara	18.45	100.00	59	→	50
Bijapur	75.83	100.00	88	↑	41	Bijapur	43.91	42.86	43	↓	55
Bilaspur	98.92	100.00	99	→	58	Bilaspur	1.48	71.43	36	↓	48
Dantewada	96.59	NA	97	↑	48	Dantewada	68.63	71.43	70	→	50
Dhamtari	91.27	100.00	96	→	55	Dhamtari	0.00	100.00	50	→	55
Durg	96.86	100.00	98	→	60	Durg	40.96	100.00	70	→	50
Gariyaband	99.19	100.00	100	↑	45	Gariyaband	4.06	100.00	52	↓	63
Janjgir Champa	97.99	100.00	99	→	57	Janjgir Champa	20.66	100.00	60	→	51
Jashpur	70.46	100.00	85	→	44	Jashpur	5.54	100.00	53	→	55
Kabirdham	76.91	100.00	88	→	52	Kabirdham	20.66	71.43	46	→	43
Kanker	83.58	48.91	66	→	43	Kanker	19.19	85.71	52	↑	4
Kondagaon	84.12	100.00	92	→	55	Kondagaon	34.32	100.00	67	→	47
Korba	85.31	100.00	93	→	50	Korba	59.41	100.00	80	↑	49
Korea	72.63	100.00	86	→	45	Korea	20.30	28.57	24	↓	60
Mahasamund	93.55	100.00	97	→	57	Mahasamund	3.32	100.00	52	→	59
Mungeli	80.16	100.00	90	→	48	Mungeli	16.97	100.00	58	→	51
Narayanpur	86.12	100.00	93	↑	27	Narayanpur	27.68	100.00	64	→	50
Raigarh	95.50	0.00	48	↓	49	Raigarh	10.33	100.00	55	↑	24
Raipur	98.54	100.00	99	→	61	Raipur	8.49	100.00	54	→	41
Rajnandgaon	97.18	100.00	99	→	60	Rajnandgaon	22.88	100.00	61	→	44
Sukma	77.29	100.00	89	→	51	Sukma	26.94	100.00	63	→	53
Surajpur	71.54	100.00	86	→	45	Surajpur	28.04	85.71	57	→	61
Surguja	85.64	100.00	93	→	50	Surguja	27.14	85.71	56	→	61
Chhattisgarh	90.41	100.00	95	→	52	Chhattisgarh	27.15	85.71	56	→	49

### SDG GOAL 15- LIFE ON LAND

As human activities increasingly impact the natural environment, biodiversity loss, deforestation, desertification, and land degradation have become significant global challenges. SDG 15 seeks to address these issues by promoting sustainable land management, protecting biodiversity, halting deforestation, and restoring degraded land. **Interpretation-** The composite score of Chhattisgarh in Goal-15 Life on Land is 56 that comes under the category of PERFORMER. 14 districts are in the performer category. Chhattisgarh has performed well in this goal. Balrampur & Korba districts have performed exceptionally well and acquired top position with FRONT RUNNER status. Korea & Bilaspur are in the aspirant

category and have the lowest score. Chhattisgarh has performed exceptionally well in indicator 15.7.1 (number of cases registered under the wildlife protection act, 1972) and is in Front Runner category.

## SDG GOAL 16-PEACE, JUSTICE & STRONG INSTITUTION

It is committed to fostering peaceful and inclusive communities, providing equal access to justice for everyone, and establishing strong, responsible, and effective institutions at all levels. Recognising that peace and stability are critical precondition for long-term development, SDG 16 seeks to promote societies in which human rights are protected, the rule of law is maintained, and corruption is eradicated.

**Interpretation-** The composite score of Chhattisgarh in Goal-16 Peace, Justice & Strong Institution is 75 that comes under the category of FRONT RUNNER. Dantewada & Korea have performed very well in this goal. 6 Districts are performer & 21 Districts are Front Runner. Dantewada tops the chart.

### PERFORMANCE OF DISTRICTS – INDICATOR WISE Goal 16

District	16.2.1 Number of victims rescued from human trafficking per 1,00,000 population	16.2.2 Proportion of Crime Committed against Children during the year, (per 1,00,000 children)	16.2.3 Number of Missing Children per lakh population	16.3.1 Number of courts per lakh population	16.5.1 Cases reported under Prevention of Corruption Act and related section of IPC per 1,00,000 population	16.9.1 Percentage of net births registered	16.9.2 Percentage of net deaths registered	16.9.3 Proportion of population covered under Aadhar, (in percentage)	Goal score(2021)	Trend status 2021 in comparison to baseline year 2015	Goal Score(2015)
Balod	61.78	84.64	48.00	100.00	35.52	100.00	90.58	76	↔	64	
Baloda Bazar	61.78	88.56	29.18	81.55	45.34	62.06	86.54	58	↓	57	
Balrampur	77.10	75.16	33.41	81.55	20.52	0.00	59.49	50	↓	61	
Bastar	72.05	72.55	57.65	81.55	100.00	94.33	91.68	81	↓	80	
Bemetara	74.58	83.66	32.71	91.74	42.59	48.62	87.19	66	↓	70	
Bijapur	94.95	95.10	0.00	100.00	78.10	74.04	82.25	75	↔	63	
Bilaspur	38.95	27.78	69.41	0.00	67.07	100.00	92.56	56	↓	56	
Dantewada	92.93	95.10	100.00	91.74	81.55	100.00	89.89	93	↑	60	
Dhamtari	76.43	76.47	37.65	100.00	83.28	91.04	100.00	81	↔	75	
Durg	29.29	33.99	76.94	91.74	43.45	100.00	100.00	68	↓	48	
Gariyaband	78.96	86.27	100.00	100.00	33.19	86.17	78.91	80	↑	57	
Janjgir Champa	35.35	46.08	42.59	91.74	60.00	62.45	100.00	63	↓	65	
Jashpur	70.37	73.20	42.59	100.00	69.14	63.37	97.48	74	↔	68	
Kabirdham	76.77	74.18	31.76	91.74	37.41	37.81	0.00	50	↓	54	
Kanker	81.31	84.31	45.41	100.00	42.41	100.00	93.99	78	↔	68	
Kondagaon	88.05	91.83	39.76	100.00	83.45	78.13	91.97	82	↔	74	
Korba	67.34	65.36	43.06	100.00	58.97	59.03	89.74	69	↓	65	
Korea	76.43	81.37	59.29	100.00	88.45	84.06	99.05	84	↓	80	
Mahasamund	82.49	82.03	40.00	100.00	58.28	58.23	99.45	74	↔	62	
Mungeli	84.34	81.05	32.24	91.74	66.21	49.54	90.31	71	↔	65	
Narayanpur	93.77	95.10	0.00	91.74	100.00	96.44	86.83	81	↓	75	
Raigarh	43.94	51.63	48.94	100.00	74.14	93.15	93.54	72	↔	55	
Raipur	0.00	0.00	76.24	71.36	72.59	100.00	88.66	58	↑	19	
Rajnandgaon	58.75	67.65	39.06	100.00	50.00	89.20	100.00	72	↔	63	
Sukma	94.78	96.73	0.00	91.74	84.31	92.89	73.85	76	↔	65	
Surajpur	63.80	80.07	47.06	81.55	66.03	48.09	92.47	68	↔	56	
Surguja	72.73	73.53	74.82	91.74	0.00	82.61	100.00	71	↔	63	
Chhattisgarh	58.08	74.84	48.71	92.75	87.93	73.65	92.80	75	↔	64	

0-49	Aspirant	50-64	Performer	65-99	Front Runner	100	Achiever
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### 5.3 Composite Score District Wise & State Wise

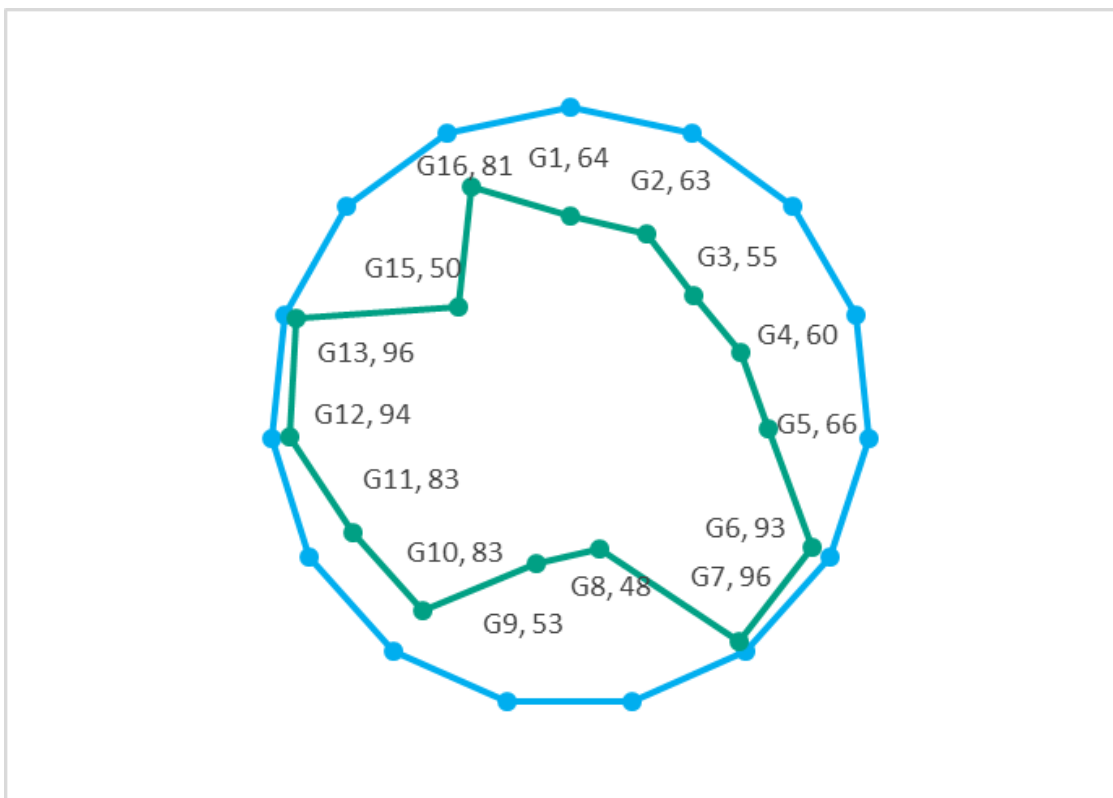
2020-21	Balod	Baloda Bazar	Balrampur	Bastar	Bemetara	Bijapur	Bilaspur	Dantewada	Dhamtari	Durg	Gariyaband	Janjgir	Jashpur	Kaberdham	Kanker	Kondagaon	Korba	Koriya	Mahasamund	Mungeli	Narayanpur	Raigarh	Raipur	Rajnandgaon	Sukma	Surajpur	Surguja	Chhattisgarh
Goal 1	53	46	21	26	36	40	46	25	64	46	48	37	26	34	49	36	18	34	41	42	31	28	44	50	37	34	17	42
Goal 2	57	48	43	26	52	29	55	29	63	52	58	52	45	40	52	25	44	49	48	54	33	48	56	56	24	47	55	47
Goal 3	57	54	46	40	58	34	43	30	55	52	50	62	57	70	56	44	48	45	53	59	34	56	39	57	35	49	48	45
Goal 4	70	57	58	35	56	44	68	46	60	68	57	67	65	51	62	52	59	53	56	57	38	57	70	67	39	56	64	59
Goal 5	71	61	36	73	66	64	50	70	66	35	70	45	49	46	71	73	56	35	70	57	56	35	55	65	43	43	47	56
Goal 6	85	75	72	84	86	73	76	78	93	75	81	80	80	86	77	84	75	86	84	83	80	86	81	89	79	77	87	82
Goal 7	84	87	72	85	91	17	94	74	96	97	85	88	85	79	81	80	78	77	89	79	50	79	100	95	8	82	87	86
Goal 8	22	35	28	38	30	35	48	43	48	54	35	37	24	38	32	25	42	44	41	24	35	39	69	44	39	35	35	41
Goal 9	51	54	49	50	50	9	52	28	53	63	49	53	51	51	43	49	51	52	53	50	49	54	61	51	0	51	53	48
Goal 10	86	65	48	63	89	69	82	73	83	93	39	53	65	79	65	34	48	66	72	59	70	78	63	89	64	70	71	76
Goal 11	63	68	70	72	70	55	68	60	83	73	76	65	84	81	66	64	77	71	66	71	76	75	67	67	77	79	69	69
Goal 12	95	85	80	90	94	96	64	93	94	70	97	81	95	97	96	94	86	80	84	95	80	93	66	75	95	79	86	87
Goal 13	99	99	83	50	97	88	99	97	96	98	100	99	85	88	66	92	93	86	97	90	93	48	99	99	89	86	93	95
Goal 15	47	50	91	50	59	43	36	70	50	70	52	60	53	46	52	67	80	24	52	58	64	55	54	61	63	57	56	56
Goal 16	76	58	50	81	66	75	56	93	81	68	80	63	74	50	78	82	69	84	74	71	81	72	58	72	76	68	71	75
Composite Score	68	63	57	58	67	51	62	61	72	68	65	63	61	62	63	60	62	59	65	63	58	60	65	70	51	61	63	64

### 5.4 District Wise SDG Profile & Ranking

District	SDG Composite Score(2021)	District Rank
Dhamtari	72	1
Rajnandgaon	70	2
Balod	68	3
Durg	68	3
Bemetara	67	4
Gariyaband	65	5
Mahasamund	65	5
Raipur	65	5
Baloda Bazar	63	6
Janjgir	63	6
Kanker	63	6
Mungeli	63	6
Surguja	63	6
Bilaspur	62	7
Kabeerdham	62	7
Korba	62	7
Dantewada	61	8
Jashpur	61	8
Surajpur	61	8
Kondagaon	60	9
Raigarh	60	9
Koriya	59	10
Bastar	58	11
Narayanpur	58	11
Balrampur	57	12
Bijapur	51	13
Sukma	51	13

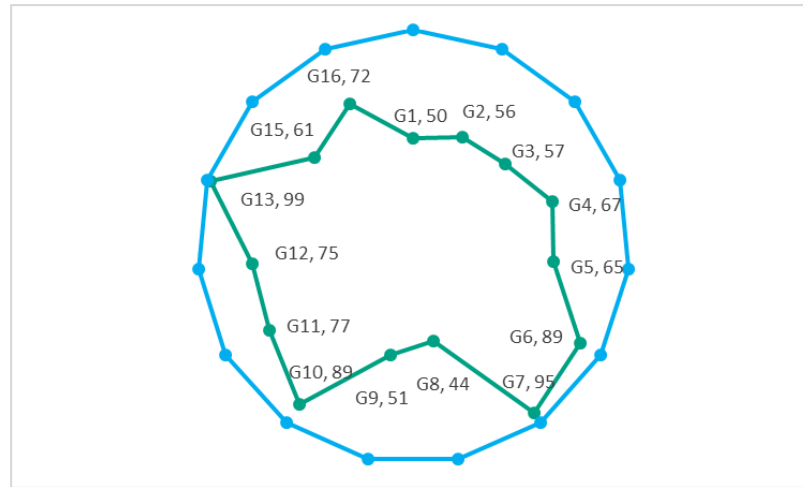
### 5.5 Top 3 Performing Districts in Chhattisgarh

#### RANK 1: DHAMTARI



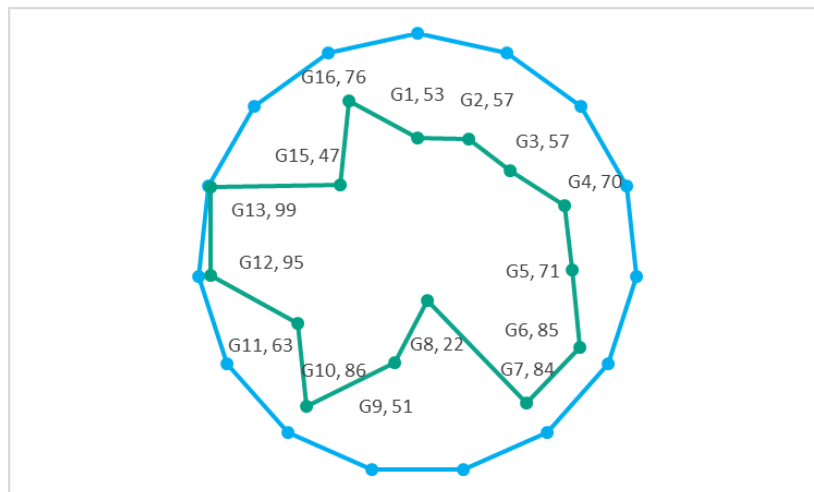
The radar diagram shows the performance of the districts across all the goals. The districts performed well in Goal 6, Goal 7, Goal 10, Goal 11, Goal 12, Goal 13 & Goal 16.

**RANK 2: RAJNANDGAON**



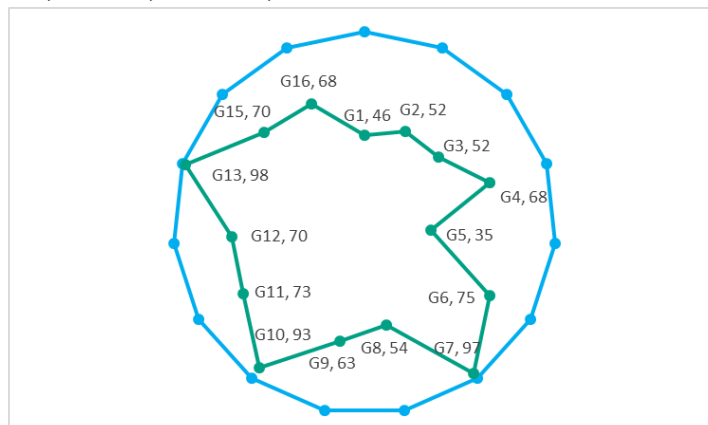
The radar diagram shows the performance of the districts across all the goals. The districts performed well in Goal 6, Goal 7, Goal 10 & Goal 13.

**RANK 3: BALOD & DURG**



**Balod**

The radar diagram shows the performance of the districts across all the goals. The districts performed well in Goal 6, Goal 7, Goal 10, Goal 4, Goal 12, Goal 13 & Goal 16.

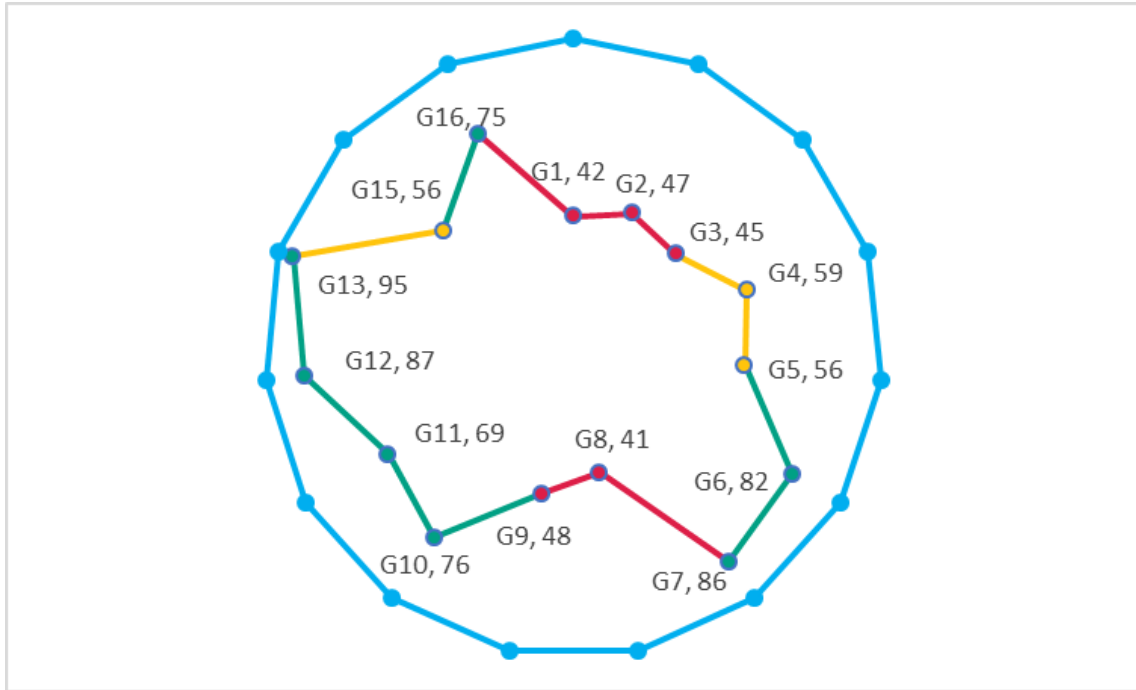




### Durg

The radar diagram shows the performance of the districts across all the goals. The districts performed well in Goal 6, Goal 7, Goal 10, Goal 11, Goal 12, Goal 13.

#### 5.6 Overall Chhattisgarh Performance in 2021



Chhattisgarh has performed well in Goal 6, Goal 7, Goal 10, Goal 12, Goal 13 & Goal 16. Goals which need more attention are Goal 8, Goal 1 & Goal 2.

### 6. CONCLUSION & SUGGESTION

SDG impact on the State – Chhattisgarh & brief observation and analysis of the data explains how Chhattisgarh is performing in the 15 goals applicable & achieving it by 2030. SDG Scores & Overall performance of Chhattisgarh & its districts indicator wise provides an insight into in-depth study of the SDG Goals and its performance as per districts which makes the composite score for Chhattisgarh. Overall, the assessment & the performance of the State is been tracked yearly & ensuring the achievement of the goals by 2030. The outcome of the study (Data Visualization, Data Analysis & Data Interpretation) reveals the performance & gap areas where focused & concentrated efforts are required. District Administration & departments can take: evidence based decision making, mid-course correction & judicious resource allocation to ensure the achievement of the SDG goals by 2030.

### 7. LIMITATIONS

#### Data Collection

Sufficient orientation of all stakeholders is must for easy data collection. It is a time taking process as the data needs to be gathered from the departments as well as the secondary reliable sources. Sometimes the data is not collected for some indicators on time as well as difficult to find.

#### Data Processing

There is a need of robust data validation and continuous checks to restrict the misreporting of the data. Data needs to be processed, cleaned & analyzed as per the needs which is yet a time taking process.

### Setting of Ecosystem

Taking all the stakeholders on board & setting of interconnected ecosystem of monitoring SDG is required for the success of SDG monitoring. Thus, it takes a lot of effort to do so.

### Indicators Selection & Setting of Targets

Difficulty of identifying relevant data and information needs in view of multiple goals, meeting these data & information needs, and interpreting the data and information. Lot of considerations while selecting indicators like availability, periodicity, authenticity etc. whereas setting of targets in consultation with departments and experts and also building of confidence among departments is a time taking process.

### REFERENCES

1. Naess, P. (2001). Urban planning and sustainable development. *European planning studies*, 9(4), 503-524.
2. Griggs, D., Stafford-Smith, M., Gaffney, O., Rockström, J., Öhman, M. C., Shyamsundar, P., ... & Noble, I. (2013). Sustainable development goals for people and planet. *Nature*, 495(7441), 305-307.
3. Oparaocha, S., & Dutta, S. (2011). Gender and energy for sustainable development. *Current Opinion in Environmental Sustainability*, 3(4), 265-271.
4. Imaz, M., & Sheinbaum, C. (2017). Science and technology in the framework of the sustainable development goals. *World Journal of Science, Technology and Sustainable Development*, 14(1), 2-17.
5. Assembly, G. (2015). Sustainable development goals. *SDGs Transform Our World, 2030*, 6-28.
6. Munasinghe, M. (1993). *Environmental economics and sustainable development* (Vol. 3). World Bank Publications.
7. Chotchoungchatchai, S., Marshall, A. I., Witthayapipopsakul, W., Panichkriangkrai, W., Patcharanarumol, W., & Tangcharoensathien, V. (2020). Primary health care and sustainable development goals. *Bulletin of the World Health Organization*, 98(11), 792.
8. Kopnina, H. (2020). Education for the future? Critical evaluation of education for sustainable development goals. *The Journal of Environmental Education*, 51(4), 280-291.
9. Van Huijstee, M. M., Francken, M., & Leroy, P. (2007). Partnerships for sustainable development: A review of current literature. *Environmental sciences*, 4(2), 75-89.
10. Dijkstra, L., Galic, A., & Brandmüller, T. (2022). Measuring Sustainable Development Goals in cities, towns and rural areas: The new Degree of Urbanisation. *Statistical Journal of the IAOS*, 38(2), 549-559.
11. Chzhen, Y., Gordon, D., & Handa, S. (2018). Measuring multidimensional child poverty in the era of the sustainable development goals. *Child Indicators Research*, 11(3), 707-709.
12. Gillett-Swan, J. K., & Burton, L. O. (2023). Amplifying children's voices: Sustainable Development Goals and inclusive design for education and health architecture. *International Journal of Speech-Language Pathology*, 25(1), 87-91.
13. Wang, G., Sadiq, M., Bashir, T., Jain, V., Ali, S. A., & Shabbir, M. S. (2022). The dynamic association between different strategies of renewable energy sources and sustainable economic growth under SDGs. *Energy Strategy Reviews*, 42, 100886.
14. Perez-Escolar, M., & Canet, F. (2023). Research on vulnerable people and digital inclusion: toward a consolidated taxonomical framework. *Universal Access in the Information Society*, 22(3), 1059-1072.
15. Sen, G. (2019). Gender Equality and Women's Empowerment: Feminist Mobilization for the SDG s. *Global Policy*, 10, 28-38.

16. Bernstein, J., Johnson, N., & Arslan, A. (2019). Meta-evidence review on the impacts of investments in agricultural and rural development on Sustainable Development Goals 1 and 2. IFAD Research Series, 38, 1-80.
17. Fuso Nerini, F., Sovacool, B., Hughes, N., Cozzi, L., Cosgrave, E., Howells, M., ... & Milligan, B. (2019). Connecting climate action with other Sustainable Development Goals. *Nature Sustainability*, 2(8), 674-680.
18. Sarkar, S. K., & Bharat, G. K. (2021). Achieving Sustainable Development Goals in water and sanitation sectors in India. *Journal of Water, Sanitation and Hygiene for Development*, 11(5), 693-705.
19. Mohanty, A., & Dash, D. (2018). Education for sustainable development: A conceptual model of sustainable education for India. *International journal of development and sustainability*, 7(9), 2242-2255.
20. Shekhar, S., & Shekhar, S. (2021). Urbanization in India. *Slum Development in India: A Study of Slums in Kalaburagi*, 1-20.