



Government of Bihar
Finance Department

₹ Green Budget

2024-25





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Preface

India's G20 priorities, under the theme "One Earth, One Family, One Future," reaffirm its commitment to achieving inclusive and resilient growth, specifically focusing on climate, finance, and sustainable development.¹ International commitments such as the Paris Agreement, Aichi Biodiversity Targets, and Sustainable Development Goals (SDG) highlight the critical need for a collective global shift towards a low-carbon future. Though climate benefits accrue globally, the costs accrue locally with vulnerable communities experiencing the most immediate and devastating impacts of climate change. In this regard, various governments at the sub-national level in developing countries such as India are prioritizing climate and environmental concerns, leading to "green budgeting" practices in policy-making.

As such, Bihar was the first state in India to initiate the process of green budgeting in 2020-21, focusing on reorienting its resource allocation by weaving environmental priorities into developmental initiatives towards a greener future. This is essential as Bihar is highly vulnerable to the risks of natural disasters such as floods, droughts, earthquakes, cyclones, thunderstorms, and so on. Precisely, green budgeting helps track resources like funds, outlays and policies, fosters coordinated action, anticipates future finance needs, and ensures efficient allocation of resources. Governments can prioritize green investments, track sustainability progress, and ensure fiscal alignment with environmental commitments by integrating environmental considerations into various budget cycles.

Bihar is implementing various sustainability initiatives, including the Jal-Jeevan-Hariyali Abhiyan (JJHA), to address environmental issues, promote afforestation and water conservation. The State Action Plan on Climate Change (SAPCC) complements the green budgeting efforts by providing a roadmap for climate adaptation and mitigation strategies.² The state also plans to develop a 'Climate Resilient and Low Carbon Development Pathway' to achieve net-zero emissions by 2070, focusing on sectors like energy, industry, solid waste, transportation and construction.³ In addition to monitoring ambient air quality in urban areas, the state has initiated the same at the block level in rural areas, demonstrating its commitment to addressing air pollution.

Thus, the tabling of Bihar's Green Budget in the State Legislative Assembly by the Finance Department, Government of Bihar marks a step towards integrating environmental considerations into government spending annually. Through this exercise, there has been a focus on identifying programs and policies that contribute to environmental sustainability across various sectors in the state. Over time, mapping the green initiatives to SDG goals would help translate policy goals into actionable financial plans by directing resources towards environmental sustainability, fostering collaboration across government departments, empowering stakeholders, and driving progress towards a sustainable future.

1 NITI Aayog. "A Green and Sustainable Growth Agenda". 2023. https://www.niti.gov.in/sites/default/files/2023-12/REVISED_Report-on-G20-Conference-on-Green-Growth_FINAL-REVISED.pdf

2 Government of Bihar. 2015. "State Action Plan on Climate Change.

3 Economic Survey of Bihar, 2023-24, Finance Department, Government of Bihar

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Abbreviations

AGB	Above Ground Biomass
AMRUT	Atal Mission for Rejuvenation and Urban Transformation
BCM	Billion Cubic Meters
BGB	Below Ground Biomass
BMSICL	Bihar Medical Services and Infrastructure Corporation Limited
BREDA	Bihar Renewable Energy Development Agency
BSHPC	Bihar State Hydroelectric Power Corporation
BSPCB	Bihar State Pollution Control Board
BSRDCL	Bihar State Road Development Corporation
BWDS	Bihar Watershed Development Society
CAAQMS	Continuous Ambient Air Quality Monitoring Station
CAMPA	Compensatory Afforestation Fund Management Planning Authority
CMC	Comprehensive Maintenance Contract
CNG	Compressed Natural Gas
GAIL	Gas Authority of India Limited
GCC	Gross Cost Contract
GIS	Geographic Information System
GRIHA	Green Rating for Integrated Habitat Assessment
GSDP	Gross State Domestic Product
IMD	Indian Meteorological Department
ISRO	Indian Space Research Organization
JJHA	Jal-Jeevan-Hariyali Abhiyan
KWh	Kilowatt hours
LISS	Linear Imaging Self Scanner
MGNREGS	Mahatma Gandhi National Rural Employment Guarantee Scheme
MLD	Million litres per day

MRF	Material Recovery Facility
MWp	Megawatt peak
NAPCC	National Action Plan on Climate Change
NBSAP	National Biodiversity Strategy and Action Plan
NO ₂	Nitrogen Dioxide
ODF	Open-Defecation Free
PM10	Particulate matter 10 micrometres or less in diameter
PM2.5	Fine particulate matter that are 2.5 microns or less in diameter
PMC	Patna Municipal Corporation
PMGSY	Pradhan Mantri Gram Sadak Yojana
SAPCC	State Action Plan on Climate Change
SBM	Swachh Bharat Mission
SDG	Sustainable Development Goals
SOC	Soil Organic Carbon
SRI	System of Rice Intensification
TPD	Ton per day
UNDP	United Nations Development Programme
UNEP	United Nations Environment Programme
WPU	Waste Processing Unit

1. Introduction

Globally, there is a pressing need for environmental action due to rising emissions, biodiversity loss, and environmental degradation impacting societies in recent years. In line with the global climate pledges and the Sustainable Development Goals (SDGs), India also has a long-term plan for a sustainable and equitable future emphasizing clean energy, responsible consumption, resilient infrastructure, and overall environmental sustainability. The Climate Transparency Report 2022 outlines ambitious climate action targets for India, including net-zero emissions by 2070, 50 percent reliance on renewable energy, and a 45 percent reduction in emission intensity by 2030.⁴ Achieving environmental targets while maintaining economic progress requires coordinated action at multiple levels, including the sub-national level.

In this regard, it is notable that Bihar took the lead in India by adopting green budgeting as early as 2020-21. Bihar achieved an economic growth of 10.6 percent at constant prices during 2022-23, making it one of the fastest-growing states in India.⁵ However, this poses environmental risks, including increased resource consumption, pollution, deforestation and climate change, which can strain ecosystems, threaten species, and exacerbate extreme weather events. Infact, Bihar's reliance on climate-sensitive sectors like agriculture, fishing and tourism makes it highly susceptible to the effects of climate change. Erratic rainfall, rising temperatures, floods, and droughts threaten the state's tourism, food security, biodiversity, lives, and livelihoods making it a particularly vulnerable area. Addressing these challenges requires a comprehensive and long-term approach. By prioritizing coordinated action and investing in adaptation, mitigation, and community resilience, the state can build a more sustainable future for its people and the environment.

Given that Bihar's fertile land and abundant natural resources hold immense potential for sustainable development, various efforts are underway to address climate change issues, ranging from climate action to afforestation to water conservation to community engagement. Thus, the green budgeting exercise has given a roadmap to effectively use resources with well-defined goals and strategies to integrate environmental considerations into budget planning, enhance transparency and accountability, and promote policy coherence across the departments.

⁴ Climate Transparency Report 2022. <https://www.climate-transparency.org/g20-climate-performance/g20report2022>

⁵ Economic Survey of Bihar, 2023-24, Finance Department, Government of Bihar

2. Bihar Environment: An Overview

Bihar, nested in the eastern part of India, stretches from 24°20'10" to 27°31'15"N latitude and 82°19'50" to 88°17'40"E longitude. It is situated at about 52.73 meters above sea level. As a landlocked state, West Bengal surrounds it in the east, Uttar Pradesh in the west, and Jharkhand in the south, and shares its boundary with Nepal in the North. Its area is 94,163 square kilometers, which is 2.9 percent of the country's total area. The state's population is about 104.10 million as per the Population Census (2011), with a population density of 1,106 people per square kilometer.⁶

The rainfall is distributed across four seasons, i.e., South-West monsoon (June-September), Winter rain (December-February), Hot-weather rain (March-May), and North-West monsoon (October-November). In 2022-23, Bihar received 849.1 mm of annual average rainfall, with 81.7 percent coming from the South-West monsoons.⁷ Its sub-tropical climate features hot and humid summers, mild winters, and monsoons. The Meteorological Centre reported an annual mean land surface air temperature of 24.7^o Celsius during 2022-23, with an average minimum of 7.1^o Celsius and maximum of 42.3^o Celsius for the state.⁸

Bihar's geography is diverse, with three main regions: the Northern Himalayan foothills, the Central plains supporting agriculture, and the Southern plateaus rich in mineral resources. The Gangetic Plain is divided into two parts –Northern and Southern, with the Northern part being flat and flood-prone, and South Bihar featuring hills and plateaus. The plains are mainly composed of clay, sand, or loamy soil. Bihar spans from the Himalayas to the Gangetic plains and is home to diverse ecosystems and biodiversity. The state has about 4526 wetlands with an extent of at least 2.25 hectares, underscoring their ecological significance in the state.⁹

The state has wildlife sanctuaries (Kaimur Wildlife Sanctuary, Udaipur Wildlife Sanctuary, Bhimbandh Wildlife Sanctuary, Gautam Buddha Wildlife Sanctuary, Rajgir Wildlife Sanctuary, Rajauli Wildlife Sanctuary) and bird sanctuaries (Kusheshwarasthan Bird Sanctuary, Baraila Jheel Bird Sanctuary, Nakti Dam Bird Sanctuary, Nagi Dam Bird Sanctuary, Kanwar Jheel Bird Sanctuary), a tiger sanctuary (Valmiki Tiger Reserve), a dolphin sanctuary (Vikramshila Gangetic Dolphin Sanctuary), conservation and community reserves (Gogabil Conservation Reserve, Gogabil Community Reserve, Bhaluni Dham Conservation Reserve).¹⁰

The India State of Forest Report for 2021 revealed a forest cover of 9722 square kilometres for Bihar, including natural forests and vegetation dominated by trees covering one hectare or more with a crown density of over 10 percent, regardless of their legal status.¹¹ Also, the state constitutes a

6 Census of India. 2011. Office of the Registrar General and Census Commissioner, India. <http://www.censusindia.gov.in/>.

7 Bihar Economic Survey 2023-24. Finance Department, Government of Bihar.

8 Meteorological Centre, Patna.

9 Space Based Observation of Indian Wetlands. 2021. Space Application Centre, ISRO, Ahmedabad, India. https://indianwetlands.in/uploads/wetland_atlas_LISS3_final-SAC.pdf.

10 Bihar Economic Survey 2023-24. Finance Department, Government of Bihar.

11 State of Forest Report 2021. Forest Survey of India, Ministry of Environment, Forest and Climate Change, Government of India. <https://fsi.nic.in/forest-report-2021-details>

comprehensive forest cover of 13,896 square kilometres, representing 14.75 percent of its land area as per the Forest Survey of India estimates based on high-resolution satellite imagery (LISS-IV, 5.8m).¹² The estimated forest cover includes the tree cover inside and outside the forest area. It mainly consists of dry deciduous Sal forests and moist deciduous Sal forests, located predominantly in the districts of Kaimur, Rohtas, Gaya, Aurangabad, Jehanabad, Nawada, Nalanda, Banka and Munger in the southern part, and West Champaran in the northern part of the state. Forest carbon, primarily found in soil and dead tree and plant parts, stood at 56.88 million tonnes in 2021. Soil organic carbon (SOC) holds the maximum amount of carbon, accounting for 63.1 percent of Bihar's total forest carbon pool in 2021.¹³

Bihar is blessed with numerous rivers, including the Ganges and its tributaries like Gandak, Kosi, and Mahananda. These rivers provide water for irrigation, drinking, navigation, and fisheries. An extensive canal network distributes river water for irrigation and other purposes. Also, the abundant groundwater resources in the state are primarily due to the fertile Gangetic alluvial plains which cover most of the state. The state's annual groundwater recharge is 33.96 billion cubic meters, with a 44.76 percent extraction rate during 2023.¹⁴ Bihar's location and hydro-meteorological system volatility make it susceptible to natural disasters, with recent decades witnessing an increase in the frequency and intensity of these disasters. Northern districts are highly susceptible to floods, causing significant damage to farm land, property, people, and infrastructure due to flash floods, river floods and water-logging.

Air pollution is primarily caused by road dust, human activities like agriculture, fossil fuel burning, industrial emissions and vehicle emissions. Urban areas are particularly affected as high concentrations of pollutants trap heat and create smog. Patna's air quality exceeded national standards, particularly for small particulate matter ($PM_{2.5}$), large particulate matter (PM_{10}), and Nitrogen Dioxide (NO_2) during 2022-23.¹⁵ About 13 districts in the state were contaminated by fluoride, 10 by nitrate, 22 by arsenic, and 19 by iron in drinking water, exceeding the prescribed limits set by regulatory bodies in 2021.¹⁶ The estimated sewage generation in Bihar was 2276 MLD in 2020.¹⁷

12 "Fourth Agriculture Roadmap (2023-28)." 2023. Agriculture Department, Government of Bihar.

13 State of Forest Report 2021. Forest Survey of India, Ministry of Environment, Forest and Climate Change, Government of India. <https://fsi.nic.in/forest-report-2021-details>

14 "National Compilation on Dynamic Ground Water Resources of India, 2023." Central Ground Water Board (CGWB). <https://cgwb.gov.in/cgwpnm/public/uploads/documents/17014272111704550895file.pdf>

15 Continuous Air Quality Monitoring Dashboard. <https://ncaptracker.in/caaqms-dashboard/>

16 Groundwater Pollution. 2021. Ministry of Jal Shakti, Government of India. <https://pib.gov.in/PressReleaseIframePage.aspx?PRID=1707520>

17 National Inventory of Sewage Treatment Plants, 2021. Central Pollution Control Board. <https://cpcb.nic.in/openpdffile.php?id=UmVwb3J0RmlsZXMvMTIyOF8xNjE1MTk2MzIyX21lZGlhcGhvdG85NTY0LnBkZg==>

Table 1: Status of Environment in Bihar vis-a-vis India

A. General Profile of Bihar¹⁸

Indicators	Year	Bihar	India
Geographical Area (Sq.km)	2011	94163 (2.86%)	3287469 (2.40%)
Population (million)	2011	104.10 (8.60%)	1210.60 (17.76%)
Rural Population (million)	2011	92.34 (88.71%)	833.75 (68.85%)
Urban Population (million)	2011	11.76 (11.30%)	377.00 (31.14%)
Population Density (people per square kilometre)	2011	1106	382

Note: Figures in parenthesis indicate percentage share to total

B. Sustainability and Climate Indices

Indicators	Year	Bihar	India
Sustainable Development Goal (Overall Rank) ^{19,20}	2020	28/28 (Score 52)	112/166 (Score 63.4) (2023)
Clean Water and Sanitation (Goal 6) Rank ¹⁸	2020	91	83
Affordable and Clean Energy (Goal 7) Rank ¹⁸	2020	78	92
Life on Land (Goal 15) Rank ¹⁸	2020	62	66
State Energy Efficiency Index (Score) ²¹	2021-22	21.0	29.1
State Energy and Climate Index (Score) ²²	2021-22	38.3	40.6
Environmental Sustainability (Score) ²¹	2021-22	33.7	37.7
Composite Water Management Index (Score) ²³	2019	37.8	-
Climate Change Vulnerability (Rank) ^{24,25}	2019-20	6/29 (Score 0.614) Top 25% of most vulnerable states	7/181 (CRI Score 16.67) Global Climate Risk Index

18 Population Census. Office of the Registrar General and Census Commissioner, India. 2011. <https://censusindia.gov.in/census.website/data/census-tables>

19 Sustainable Development Goal India Score 2020. <https://sdgindiaindex.niti.gov.in/#ranking>

20 SDG Index 2023. <https://dashboards.sdgindex.org/static/profiles/pdfs/SDR-2023-india.pdf>

21 Bureau of Energy Efficiency, Alliance for an Energy Efficient Economy, 2022. State Energy Efficiency Index 2021-22. <https://stateenergyefficiencyindex.in/wp-content/uploads/2023/04/State-Energy-Efficiency-Index-2021-22-Report.pdf>

22 NITI Aayog. State Energy and Climate Index-Round I. 2022. <https://www.niti.gov.in/sites/default/files/2022-04/StateEnergy-and-ClimateIndexRoundI-10-04-2022.pdf>

23 NITI Aayog. 2019. Composite Water Management Index https://social.niti.gov.in/uploads/sample/water_index_report2.pdf

24 Climate Vulnerability Assessment for Adaptation Planning in India using a Common Framework, 2019-20, Department of Science and Technology. <https://dst.gov.in/sites/default/files/Full%20Report%20%281%29.pdf>

25 Global Climate Risk Index 2021. Federal Ministry for Economic Cooperation and Development. https://www.germanwatch.org/sites/default/files/Global%20Climate%20Risk%20Index%202021_2.pdf

C. Land Utilization Pattern^{26,27}

Indicators	Year	Bihar	India
Total Unculturable Land (Area in '000 hectares)	2021-22	4289.18 (45.83)	165479.08 (50.34)
Net Sown Area (Area in '000 hectares)	2021-22	5070.39 (54.17)	141006.77 (42.89)
Gross Sown Area (Area in '000 hectares)	2021-22	7328.57	219158.36

Note: Figures in parenthesis indicate percentage share to total geographical area

D. Forest Resources²⁸

Indicators	Year	Bihar	India
Total Green Cover (Sq.km) (LISS-IV, 5.8m) ²⁹	2019	13896 (14.75)	-
Total Forest Cover (Sq. km)	2021	7381(7.84)	713789(21.71)
Tree Cover (Sq. km)	2021	2341(2.49)	95748(2.91)
Types of Forest (Sq. km)			
Very Dense Forest (VDF)	2021	333 (0.35)	99779(3.04)
Moderately Dense Forest (MDF)	2021	3286 (3.49)	306890(9.33)
Open Forest (OF)	2021	3762 (4.00)	307120(9.34)

Note: Figures in parenthesis indicate percentage share to total geographical area

E. Carbon Stock in Forests²⁷

Indicators	Year	Bihar	India
Carbon Stock in Forests ('000 tonne)	2021	56881 (100.0)	7203846 (100.0)
Above Ground Biomass (AGB)	2021	14743 (19.97)	2319910 (32.50)
Below Ground Biomass (BGB)	2021	5249 (7.11)	718852 (10.07)
Dead wood	2021	231 (0.31)	47665 (0.67)
Litter	2021	785 (1.06)	107251 (1.50)
Soil Organic Carbon (SOC)	2021	35873 (48.60)	4010168 (56.18)
Growing stock (m cum)	2021	71.56	6167.50

Note: Figures in parentheses indicate per hectare stock in tonne

26 Bihar Economic Survey 2023-24. Finance Department, Government of Bihar

27 Land Use Statistics-At a Glance-(Provisional estimates). Directorate of Economics and Statistics, Government of India. –[Land Use Statistics At a Glance | Official website of Directorate of Economics and Statistics, Department of Agriculture and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, Government of India \(desagri.gov.in\)](#)

28 “State of Forest Report 2021. (2022).” Forest Survey of India, Ministry of Environment, Forest and Climate Change, Government of India.<https://fsi.nic.in/forest-report-2021-details>

29 “Fourth Agriculture Roadmap 2023-28.” 2023. Agriculture Department, Government of Bihar

F. Climate³⁰

Indicators	Year	Bihar	India
Average Annual Temperature (0Celsius)	2022	24.7	25.21
Average Minimum Temperature (0Celsius)	2022	7.1	19.89
Average Maximum Temperature (0Celsius)	2022	42.3	30.53
Annual Rainfall (mm)	2022	849.1	1257.0

G. Wetland^{31,32}

Indicators	Unit	Year	Bihar	India
Inland Wetland (Natural)				
Lake/Pond	Number	2021	387	11740
	Area (hectares)		14820	729532
Ox-bow Lake/Cut-off meander	Number	2021	912	4673
	Area (hectares)		16432	104124
High Altitude	Number	2021	-	2707
	Area (hectares)		-	124253
Riverine Wetland	Number	2021	172	2834
	Area (hectares)		2194	91682
Waterlogged	Number	2021	1537	11957
	Area (hectares)		30700	315091
River/Stream	Number	2021	209	11747
	Area (hectares)		294685	5258385

30 Annual Report 2022. India Meteorological Department, Ministry of Earth Sciences, Government of India.

https://mausam.imd.gov.in/imd_latest/contents/ar2022.pdf

31 Space Applications Centre, ISRO. 2021. "Space Based Observation of Indian Wetlands." Space Applications Centre, Indian Space Research Organization, Ahmedabad.https://indianwetlands.in/uploads/wetland_atlas_LISSL3_final-SAC.pdf.

32 National Wetland Statistics. Type-wise Area Estimates of Wetlands in India. <https://indianwetlands.in/wetlands-overview/national-wetlands-statistics/>.

Indicators	Unit	Year	Bihar	India
Inland Wetland (Man-made)				
Reservoir/Barrage	Number	2021	71	14894
	Area (hectares)		9116	2481987
Tank/Pond	Number	2021	1216	122370
	Area (hectares)		6484	1310443
Waterlogged	Number	2021	22	5488
	Area (hectares)		335	135704
Salt Pan	Number	2021	-	60
	Area (hectares)		-	13698
Total Inland	Number	2021	4526	188470
	Area (hectares)		374766	10564899

H. Groundwater Resources³³

Indicators	Year	Bihar	India
Annual Groundwater Recharge (bcm)	2023	33.96	449.08
Annual Extractable Groundwater Resource (bcm)	2023	30.72	407.21
Annual Groundwater Extraction for Irrigation, Domestic and Industrial uses (bcm)	2023	13.75	241.34
Stage of Groundwater Extraction (%)	2023	44.76	59.26

³³ “National Compilation on Dynamic Ground Water Resources of India, 2023.” Central Ground Water Board (CGWB). <https://cgwb.gov.in/cgwpnm/public/uploads/documents/17014272111704550895file.pdf>.

I. Air Pollution³⁴

Indicators	Year	Bihar	India
Particulate Matter2.5 (ug/m3) (avg. concentration)	2023	100	60
Particulate Matter10 (ug/m3) (avg. concentration)	2023	190	119
Sulfur Dioxide (ug/m3) (avg. concentration)	2023	10	11
Nitrogen Dioxide (ug/m3) (avg. concentration)	2023	42	39

J. Groundwater Pollution³⁵

Indicators	Year	Bihar	India
Fluoride (Above 1.5 mg/l) (No.ofAffected Districts)	2021	13	370
Nitrate (Above 45 mg/l) (No. of Affected Districts)	2021	10	423
Arsenic (Above 0.01 mg/l) (No. of Affected Districts)	2021	22	152
Iron (Above1.0 mg/l) (No. of Affected Districts)	2021	19	341

K. Waste Management³⁶

Indicators	Year	Bihar	India
Sewage Generation (MLD)	2020	2276	72368
Sewage Treatment Capacity-Installed(MLD)	2020	10	31841
Sewage Treatment Capacity-Proposed(MLD)	2020	621	4827

34 Continuous Air Quality Monitoring Dashboard. <https://ncaptracker.in/caaqms-dashboard/>. Accessed on February 4, 2024.

35 Groundwater Pollution. 2021. Ministry of Jal Shakti, Government of India. <https://pib.gov.in/PressReleaselframePage.aspx?PRID=1707520>

36 Government of India. 2021. National Inventory of Sewage Treatment Plants, 2021. Central Pollution Control Board.<https://cpcb.nic.in/openpdffile.php?id=UmVwb3J0RmlsZXMuMTIyOF8xNjE1MTk2MzIyX21lZGlhcGhvG85NTY0LnBkZg==>

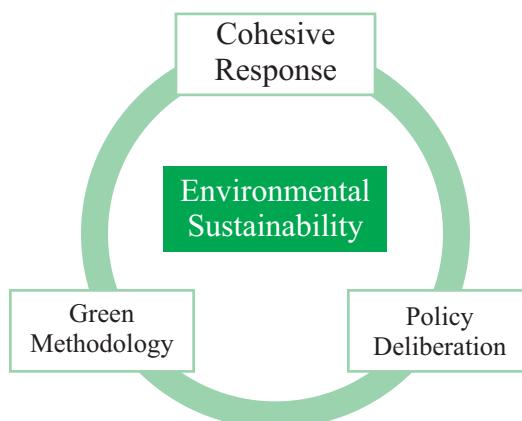
3. Green Budgeting in Bihar

The State government has been presenting the Green Budget in the Legislative Assembly since 2020-21. As such, the Green Budgeting process being followed in Bihar is a simple and inclusive approach that involves the role of different stakeholder departments in tagging environmental allocations and expenditures in government budgets. This collaborative approach ensures that stakeholders are involved from the very initial stage of the budgeting exercise, while providing their input and aligning with the state's green objectives. This approach to green budgeting focuses on three key aspects: cohesive response, green methodology, and policy deliberation.

Firstly, the framework fosters inter-departmental coordination, ensuring a comprehensive and integrated approach to incorporate green considerations into existing budgetary allocations across different sectors such as agriculture and allied sectors, forest, energy, water resources, transport, rural and urban development, etc. Secondly, using Riomarker methodology and mapping with the SDGs allows for categorizing and tracking environmental expenditures to ensure benchmarking against the global standards.

Lastly, the policy deliberation process includes alignment with the national environmental policies and international commitments, fostering a long-term vision for environmental sustainability and ensuring consistency and coherence in policy direction for Bihar. Overall, the preparatory framework of green budgeting in Bihar has been structured to promote environmental progress by encouraging participation, transparency and accountability to achieve the desired environmental outcomes.

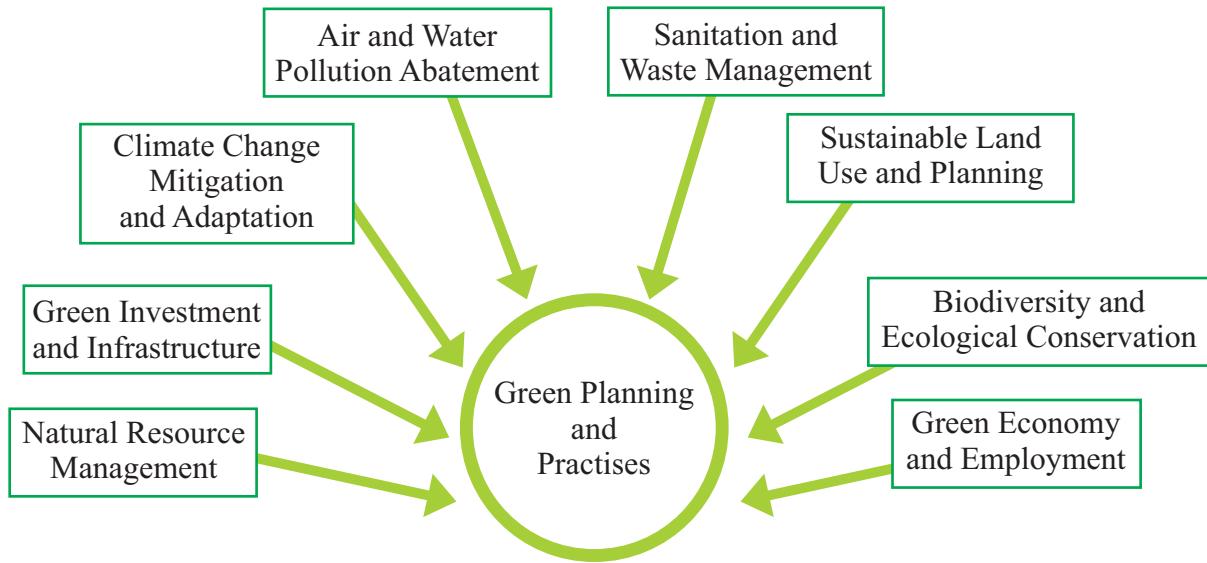
Figure 1: Green Budgeting Framework in Bihar



Green budgeting encompasses a wide range of thematic aspects, aiming to integrate environmental considerations into various aspects of government spending. The various thematic aspects include management and conservation of natural resources; building sustainable infrastructure like solar power plants, green buildings, and public transport; adapting and mitigating climate change; controlling air and water pollution; reducing, recycling, and responsible disposal of waste; sustainable use of land; protect endangered species and habitats, restore ecosystems, and promote

ecological balance; transition to green economy and provide sustainable livelihoods to all. The different themes of the green planning and practices used in the green budgeting process are depicted in Figure 2.

Figure 2: Thematic Aspects of Green Budgeting



Thus, green budgeting is a strategy that strengthens inter-departmental coordination and promotes a cohesive response to environmental sustainability. It helps policymakers assess and re-orient their resources within the fiscal space to achieve green targets. As green budgeting is still in its early stages, attempts are being made to improve it towards getting a comprehensive analysis of expenditures, reflecting sectoral outcomes and achievements. The following section outlines various steps involved in green budgeting methodology in the state.

- ◆ **Step 1:** The emphasis is on identifying specific programs within the existing annual schemes and budgets of various stakeholder departments. For this, program-specific guidelines and objectives are reviewed from various sources, providing a holistic understanding of potential green interventions. Both programs with direct environmental activities and those with indirect contributions to sustainability goals are considered, broadening the scope of the Green Budget.
- ◆ **Step 2:** Use of a standardized proforma ensures the collection of consistent information on relevant schemes' plans and budgetary provisions from stakeholder departments. The Finance Department provides technical support and discussions to streamline budget tracking and data management, promoting accuracy and transparency in the green budgeting process.
- ◆ **Step 3:** The process of green budgeting employs a robust tracking methodology, utilizing department-specific and program-level budget codes to ensure data integrity and transparency, aiming to reduce double-counting and streamline the identification of environment-focused programs. Also, the codes were tagged to specific Sustainable Development Goals (SDGs) and other sustainable development activities.

Table 2: Approach towards Green Budget

Estimating Budgetary Provisions and Expenditures	
Identification of stakeholder departments, aligned with green planning objectives	Review of departmental objectives through their annual progress reports
	Review of departmental policies and flagship initiatives, aligned with green objectives
Tracking of schemes and programs contributing towards green planning and practices.	Detailed demands for grants and review of budget documents
	Stakeholder consultation for tracking the departmental fiscal plan, its target, and achievements
Tagging of budgetary allocations and expenditures to the tracked schemes and programs.	Collection of department-wise and scheme-wise budgetary provisions from the fiscal budget outlay
	Collation of green budget provisions from the departmental budgetary allocation and expenditure
	Review of the green activity significance of tagged schemes and programs

Method

In order to tag environmental budget allocations, the Rio-marker methodology, a United Nations Environment Programme (UNEP) tool, was used in Bihar's green budgeting process. This method categorizes expenditures as Principal, Significant, or Non-significant based on their environmental impact. The state adopted the Rio-marker methodology and Sustainable Development Goals mapping, using department-specific budget codes to monitor sectoral programs.

Draft pro-forma was prepared and revised, incorporating themes and exercises to evaluate green initiatives. The departments were then required to submit pro-forma budgets with head-by-head justification. The SDG mapping and the Rio-marker standard framework was used for tracking and labelling various environmental schemes and programmes. Each scheme with its goals and constituent parts was thoroughly examined to classify them into various significance ranges. The cumulative scheme score was calculated by tracking different components. The process was linked to capture standard frameworks like the National Action Plan on Climate Change (NAPCC), State Action Plan on Climate Change (SAPCC), National Biodiversity Strategy and Action Plan (NBSAP), and existing documents on green activity classification. The budget codes of various schemes were tagged as "Green" based on their scheme-wise scoring.

Figure 3: Green Component and Environmental Sustainability Significance

Fully Dedicated (90-100 percent)	National Afforestation Programme, Project Tiger, E-vehicle scheme, Energy efficiency, RE schemes, etc.
Very High Significance (75-90 percent)	National River Conservation Plan, Conservation, Development and Sustainable Management of Medicinal Plants, etc.
High Significance (50-75 Percent)	Groundwater Management and Regulation, National Groundwater Management Improvement Programme, etc.
Medium Significance (25-50 Percent)	National Horticulture Mission, National Mission on Agriculture Extension and Technology, National Mission on Sustainable Agriculture, Integrated Watershed Management Programme, etc.
Low Significance (5-25 Percent)	Pradhan Mantri Krishi Sinchayee Yojana, National Mission on Micro Irrigation, Paramparagat Krishi Vikas Yojana, etc.
Marginal Significance (Upto 5 Percent)	Training and Awareness Programmes, Environment Volunteering Programmes, Information, Education and Communication materials, etc.

Note: The list of schemes is only indicative and not exhaustive.

Note:

- ◆ The analysis of the budget estimates across various programmes/initiatives may not be sufficient to evaluate the compliance with national and international goals/commitments of environmental sustainability;
- ◆ The Green Budget has accounted only for gross budget estimates and actuals identified by selective department-wise schemes and programmes. Hence, the results may not provide complete estimates or expenditures.
- ◆ Environmental regulations are not included in the scope of the budget process. Also, the green budget does not evaluate the efficiency of environmental expenditures.
- ◆ The limitations, however, cannot take away the benefits of such an exercise as it has the scope to bring together important agendas such as climate change, biodiversity, environmental policy, public finance and budget, green economy, etc.

4. Green Budget in Bihar:A Summary

The State government acknowledges the urgent need to evaluate and mitigate environmental challenges in Bihar. Since 2020-21, the state has been preparing the green budget which has streamlined the monitoring of its environmental programs. The themes and activities serve as frameworks for the departments to analyze budgets and activities, aiding in budgetary planning and mapping them to SDG goals. The tagging exercise strengthens decision-making and resource allocation in the state. This objective-oriented approach provides, accountability, and a holistic view of environmental spending in Bihar. The current section discusses the green budget allocation for Bihar in the fiscal year 2024-25.

The summary of the budget allocation for green objectives are given in Table 3. The total allocation for the green budget in FY-2024-25 is estimated to be Rs 13,823.39 crore, indicating an increase of 39.34 percent from Rs 9,920.77 crore in FY-2023-24. The share of green budget in state's GSDP is 1.42 percent, while the share of green budget in state's total budget was 4.96 percent in 2024-25.

Department-wise Green Budget

In total, twenty departments provided the scheme details as per the draft proforma circulated by the Finance Department. Annexure 1 provides details of identified schemes and programmes, along with their SDG tagging and themes. The budget allocation and green budget estimates for 2024-25 are given in Table 4. The Environment, Forest and Climate Change Department is an important part of the Green Budget from the perspective of expenditure and allocation of environment related schemes and programmes,

Significance of Environmental Schemes

Categorizing schemes based on their environmental impact, either fully or partially or marginally related, helps assess their potential contribution to sustainability goals. This year's green budget allocation primarily falls under Category A-Fully Dedicated (90-100%) and Category C-High Significance (50-75%) amounting to Rs. 6514.08 crore and Rs. 3759.62 crore, respectively (Table 6). A total of 90 schemes have been identified in the Fully-dedicated category. The Environment, Forest, and Climate Change Department has all its schemes as fully-dedicated. This was followed by the Minor Water Resources Department and Urban Development and Housing Department, which had a significant number of schemes under Category-A. Various initiatives such as the Jal-Jeevan-Hariyali Abhiyan, adopting a 'Climate Resilient and Low Carbon Development Pathway' to achieve net-zero emissions by 2070, promotion of organic farming, e-vehicle policy, encouragement to greater use of renewable energy, and monitoring air quality at the block level in rural areas can pave a path towards a sustainable future in the state.

Department-wise SDG Mapping

The department-level SDG mapping of the environmental sustainability initiatives reveal a significant focus on schemes and programs towards SDGs 6 (Clean water and sanitation), 2 (Zero Hunger), 15 (Life on Land), 11 (Sustainable Cities and Communities), and 13 (Climate Action) (Table 8 and Figure 4). The focus on water, food, land, and urban development, alongside climate action, underscores a comprehensive understanding of inter-connected environmental issues.

Theme Mapping of Green Budget

The distribution of green budget allocations across various environmental sustainability themes is illustrated in Figure 5. The state's green budgeting in 2024-25 prioritizes Green Infrastructure(24.65%), Natural Resource Management (19.24%), Green Economy and Employment (14.83%), Sustainable Land Use (14.03%). Climate Change Mitigation and Adaptation (10.82%) reflect the ongoing efforts to combat climate change. The remaining budget is divided into themes like Sanitation and Waste management (6.61%), Air and Water Pollution Abatement (6.01%), and Biodiversity and Ecological Conservation (3.81%), emphasizing the need for comprehensive action across various domains.

Way Forward

Meeting the targets set by United Nations' Sustainable Development Goals require innovative budgetary approaches like green budgeting for economies like Bihar. By considering the wider environmental implications of spending decisions, green budgets encourage investments in sustainable infrastructure and resource managementso as to balance economic growth and sustainability in the long-run. Thus, the current iteration of the green budgeting process in Bihar is expected to enhance efficiency, transparency, accountability, and broader stakeholder engagement, ultimately leading to more streamlined achievementof environmental goals.

Table 3: Details of Overall Green Budget Summary

Particulars	Actual			Budget Estimate	
	2020-21	2021-22	2022-23	2023-24	2024-25
State's Budget Outlay	165696.51	193122.98	231903.88	261885.40	278725.72
State's Total Receipts (Revenue Receipts + Capital Receipts)	164903.84	199270.15	221013.04	262085.40	278925.72
Revenue Receipts	128168.35	158797.33	172688.02	212326.97	226798.40
Revenue Receipts from Central Government	91625.29	119958.45	124535.39	156115.18	165172.54
State's Own Revenue	36543.05	38838.88	48152.64	56211.79	61625.86
Gross Domestic State Product (GSDP)	618628.00	675448.00	751396.00	858928.00	976514.00
Identified Department's Budget Allocation	83682.31	104428.61	129321.06	79074.38	152350.86
Identified Scheme's Green Budget Components	3307.59	6767.29	7989.58	9920.77	13823.39
Share of Department's Total Budget Allocation in Green Allocation (%)	3.95	6.48	6.18	12.55	9.07
Share of Green Budget in Total State Budget (%)	2.00	3.50	3.45	3.79	4.96
Share of Green Budget in State GSDP (%)	0.53	1.00	1.06	1.16	1.42

Source: Budget Summary, Finance Department, GoB

Table 4: Details of Department-wise Green Budget Estimate (2024-25)

(Rs. in crore)

Sl. No	Identified Departments ³⁷	Green Budget Estimate (2024-25)				
		Department Total Budget	Identified Scheme Budget	Identified Scheme's Green Budget	Green % of Total Allocation	Green % of Identified Scheme
1	Agriculture	3600.92	1211.95	643.74	17.88	53.12
2	Animal and Fisheries Resources	1631.35	312.89	182.32	11.18	58.27
3	Building Construction	5012.65	1115.00	156.75	3.13	14.06
4	Education	52639.03	1173.02	35.29	0.07	3.01
5	Energy	11422.68	270.00	270.00	2.36	100.00
6	Environment, Forest and Climate Change	853.03	853.03	853.03	100.00	100.00
7	Health	14932.09	3.50	3.50	0.02	100.00
8	Industries	1833.09	501.53	343.55	18.74	68.50
9	Information and Public Relations	254.24	81.13	4.06	1.60	5.00
10	Minor Water Resources	1030.95	785.00	785.00	76.14	100.00
11	Panchayati Raj	11025.84	5733.86	4110.03	37.28	71.68
12	Public Health Engineering Department	1848.22	50.00	50.00	2.71	100.00
13	Road Construction	5702.81	1379.00	9.74	0.17	0.71
14	Rural Development	14296.71	8142.71	4383.88	30.66	53.84
15	Rural Works	9532.31	4778.13	149.28	1.57	3.12
16	Sugarane Industries	123.80	37.60	37.60	30.37	100.00
17	Tourism	462.44	162.00	35.25	7.62	21.76
18	Transport	451.46	131.00	102.00	22.59	77.86
19	Urban Development and Housing	11298.72	3408.10	1118.30	9.90	32.81
20	Water Resources	4398.52	3232.63	550.09	12.51	17.02
	Total	152350.86	33362.08	13823.39	9.07	41.43

Source: Finance Department, GoB

³⁷ Such the main aim of the departments is to achieve environmental protection and sustainability, the amount of both the establishment and committed expenditure of the schemes and programmes are incorporated in the above table for the financial year 2024-25.

Table 5: Department-wise Green Budget Summary in Bihar

(Rs. in crore)

Department	2022-23 Green Budget Actual	2023-24 Green Budget Estimate	2023-24 Green Budget Revised Estimate	2024-25 Budget Estimate	2024-25 Green Budget Estimate
Agriculture	569.89	968.50	663.45	1211.95	643.74
Animal and Fisheries Resources	138.11	179.18	187.42	312.89	182.32
Building Construction	112.74	73.88	89.10	1115.00	156.75
Education	9.97	16.21	46.39	1173.02	35.29
Energy	42.50	70.00	70.00	270.00	270.00
Environment, Forest, and Climate Change	518.75	773.84	811.65	853.03	853.03
Health	0.77	5.00	5.00	3.50	3.50
Industries	1.21	1.75	2.19	501.53	343.55
Information and Public Relations	4.11	4.10	4.10	81.13	4.06
Minor Water Resources	466.12	784.58	799.43	785.00	785.00
Panchayati Raj	2306.37	0.00	2330.49	5733.86	4110.03
Public Health Engineering	21.00	50.00	50.00	50.00	50.00
Road Construction	11.16	47.99	56.33	1379.00	9.74
Rural Development	2476.84	4742.66	5004.79	8142.71	4383.88
Rural Works	137.58	325.04	400.08	4778.13	149.28
Sugarcane Industries	14.45	100.00	100.00	37.60	37.60
Tourism	19.53	26.99	26.99	162.00	35.25
Transport	5.24	66.55	66.55	131.00	102.00
Urban Development and Housing	574.61	1132.22	5393.28	3408.10	1118.30
Water Resources	558.61	552.29	686.31	3232.63	550.09
Total	7989.58	9920.77	16793.54	33362.08	13823.39

Source: Finance Department, GoB

Table 6: Total Schemes Identified for the Green Budget

Sl. No	Department	Environmental Sustainability Relevance										Identified Schemes 2024-25		
		90-100%		75-90%		75-50%		50-25%		25-05%				
		2024-25	2023-24	2024-25	2023-24	2024-25	2023-24	2024-25	2023-24	2024-25	2023-24			
1	Agriculture	3	3	16	4	19	21	21	12	6	15	0	0	65
2	Animal & Fisheries Resources	0	0	0	0	6	6	6	6	0	0	1	1	13
3	Building Construction	1	1	0	0	0	0	0	0	4	2	2	1	7
4	Education	0	0	0	0	0	2	0	0	0	0	3	8	3
5	Energy	3	2	0	0	0	0	0	0	0	0	0	0	3
6	Environment, Forest, and Climate Change	39	30	0	0	0	0	0	0	0	0	0	0	39
7	Health	1	1	0	0	0	0	0	0	0	0	0	0	1
8	Industries	0	0	0	0	2	0	0	1	0	0	0	0	2
9	Information and Public Relations	0	0	0	0	0	0	0	0	0	0	1	1	1
10	Minor Water Resources	12	15	0	3	0	0	0	0	0	0	0	0	12
11	Panchayati Raj	3	0	0	0	3	0	6	0	0	0	0	0	12
12	Public Health Engineering	2	2	0	0	0	0	0	0	0	0	0	0	2
13	Road Construction	0	0	0	0	0	0	0	0	0	0	1	3	1
14	Rural Development	9	8	0	0	8	2	0	0	17	0	0	17	34
15	Rural Works	0	0	0	0	0	0	0	1	1	0	5	5	6
16	Sugarcane Industries	3	6	0	0	0	0	0	0	0	0	0	0	3
17	Tourism	0	0	0	0	0	0	0	0	1	1	0	0	1
18	Transport	1	1	0	0	1	1	0	0	0	3	0	0	2
19	Urban Development & Housing	13	5	6	6	0	0	16	4	17	14	0	3	52
20	Water Resources	0	0	0	0	0	0	0	0	22	20	0	0	22
	Total	90	74	22	13	39	32	49	24	68	55	13	39	281

Table 7: Performance of Green Budget in Bihar (2024-25)

Category	No. of Schemes Green Budget	Total Green Budget (Rs. Crore)
A-Fully Dedicated (90-100%)	90	6514.08
B-Very High Significance (75-90%)	22	148.77
C-High Significance (50-75%)	39	3759.62
D-Medium Significance (25-50%)	49	1987.99
E-Low Significance (5-25%)	68	1267.95
F-Marginal Significance (Upto5%)	13	144.98
Total	281	13823.39

Table 8: Department-wise SDG Mapping

Sl.	Departments	SDG2	SDG 4	SDG 5	SDG 6	SDG 7	SDG 8	SDG 9	SDG 11	SDG 12	SDG 13	SDG 14	SDG 15
1	Agriculture	55	0	0	22	0	0	0	0	0	0	0	32
2	Animal and Fisheries Resources	12	0	0	12	0	0	0	0	0	0	7	6
3	Building Construction	0	0	0	4	4	0	2	4	4	4	0	1
4	Education	0	1	0	0	2	0	2	0	0	3	0	0
5	Energy	0	0	0	3	1	0	1	0	3	0	0	0
6	Environment, Forest and Climate Change	4	1	0	0	0	10	2	4	0	17	2	30
7	Health	0	0	0	1	0	0	0	0	0	0	0	0
8	Industries	1	0	0	1	0	0	1	0	1	1	0	1
9	Information and Public Relations	0	0	0	0	0	0	0	0	0	1	0	1
10	Minor Water Resources	12	0	0	12	0	0	0	0	0	0	0	0
11	Panchayati Raj	0	0	0	9	6	0	0	12	0	6	0	9
12	Public Health Engineering Department	0	0	0	2	0	0	0	0	0	0	0	0
13	Road Construction	0	0	0	0	0	0	0	0	0	1	0	1
14	Rural Development	0	0	23	11	0	25	0	0	0	2	0	10
15	Rural Works	0	0	0	0	0	0	0	0	6	6	0	6
16	Sugarcane Industries	3	0	0	3	0	0	0	0	0	0	0	0
17	Tourism	0	0	0	1	0	0	0	0	1	0	0	0
18	Transport	0	0	0	0	0	0	0	2	0	2	0	0
19	Urban Development and Housing	0	0	0	39	8	0	3	49	5	8	0	3
20	Water Resources	22	0	0	22	0	0	0	0	0	0	0	0
	Total	109	2	23	142	21	35	11	71	20	51	9	100

Figure 4: Department-wise SDG Mapping in Bihar

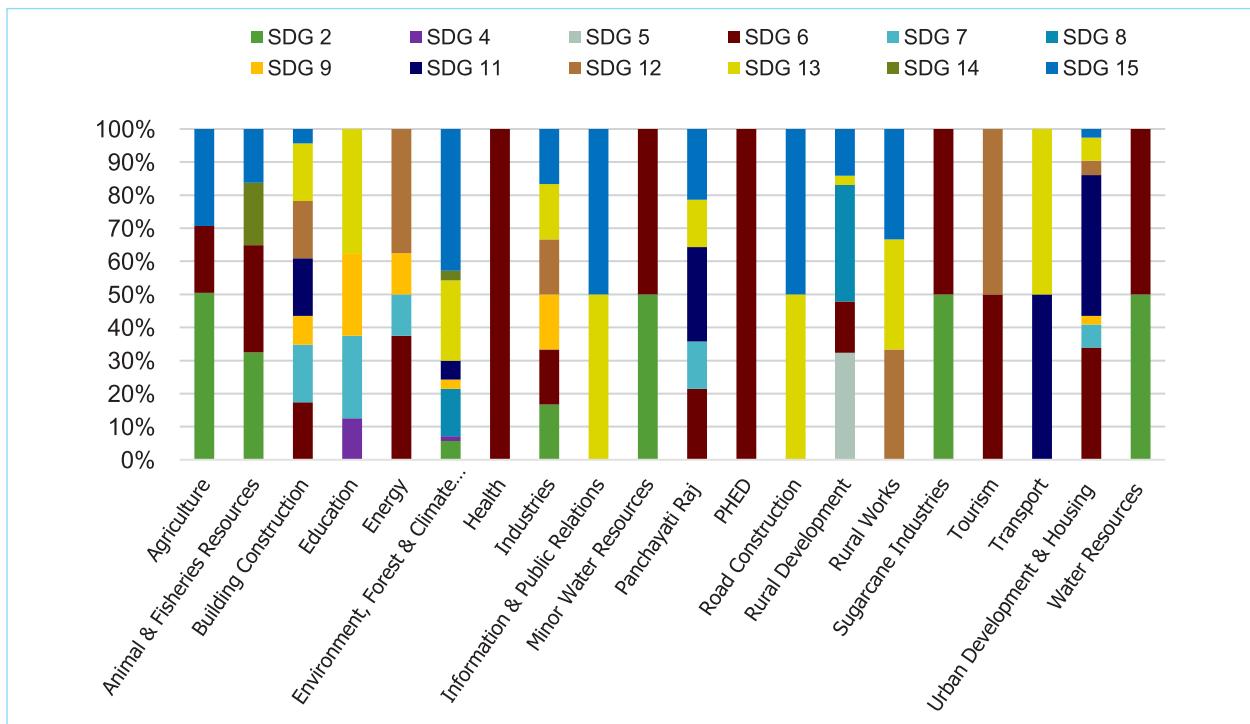
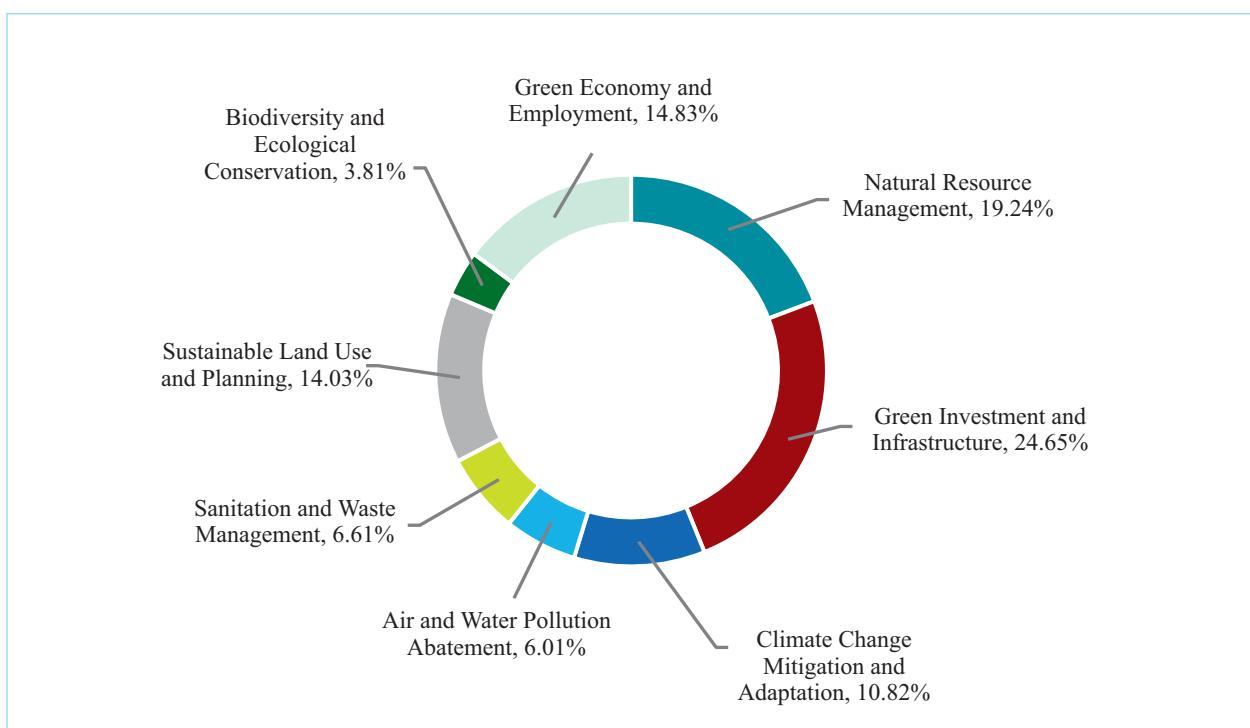


Figure 5: Department-wise Distribution across Themes



5. Key Green Initiatives in the State

The Government of Bihar has announced various initiatives across various departments to achieve its environmental sustainability and climate change goals. This section discusses the key green initiatives in the state.

1. Agriculture Department

- ◆ **Fourth Agriculture Roadmap (2023-28):** Launched in October 2023, the Fourth Agricultural Roadmap has vision for sustainable agricultural growth with key green initiatives such as soil health improvement, water conservation, climate resilience and agroforestry. These initiatives improve resource utilization, protect soil health, and promote micro-irrigation systems, rainwater harvesting, and integrated water management practices which can conserve the environment, ensure food security and improve farmer's livelihood.
- ◆ **Promotion of Green Schemes:** A major part of the Department's budget is spent on green initiatives. As such, the focus is on crop production schemes, such as cultivation of paddy, wheat, pulses, coarse grains, oilseeds, sugarcane and jute, and other commercial crops. This also comprises various components such as paddy cultivation using the System of Rice Intensification (SRI), zero tillage for paddy and wheat cultivation, and paddy transplantation using a paddy transplanter. Also, emphasis is being placed on the cultivation of medicinal and aromatic plants, using drip irrigation.
- ◆ **Organic Corridor:** The Jaivik Corridor Scheme aims to convert 20,000 acres along the Ganges into organic zones. The scheme encourages sustainable farming practices, providing financial aid and infrastructure support to farmers to improve soil health, conserve resources, and enhance income and food quality in the long-run. There are also plans for area expansion of one-year and multi-year crops under horticulture.
- ◆ **Land Conservation:** The project involves construction of various structures for land and water conservation, plantation education, formation of self-help groups, and production systems for landless farmers, including "sprinkler" schemes, check dams, canal renovation embankments, statue guard trenches, and plantations.
- ◆ **Integrated Watershed Management Programme:** The Integrated Watershed Management Programme is being implemented by the Bihar Watershed Development Society (BWDS) with an aim to conserve and improve natural resources within the watersheds. This involves ensuring rainwater availability for irrigation, recharging groundwater, improving soil health, enhancing crop yields, promoting ecological balance, and enhancing community livelihoods. The scheme is being implemented in various districts such as Banka, Munger, Jamui, Nawada, Gaya, Aurangabad, Rohtas, Kaimur, Lakhisarai, Sheikhpura, Nalanda, Patna, Jehanabad, Arwal, Bhojpur, Bhagalpur, Buxar and Begusarai.

2. Animal and Fisheries Resources Department

- ◆ **Improving Water Quality and Ecosystem Health through Fisheries Development:** The significant schemes include construction of new ponds, renovation of old ones, developing pond fisheries, integrated pond development, reservoir fisheries development, installation of pens and cages in wetlands, etc. There is also plan to develop ponds in non-usable and unused lands and also in wetlands, which will help in increasing the groundwater levels, help in maintaining environmental balance and promoting fisheries activity. The development of fisheries helps in maintaining water quality, thereby increasing bio-diversity and strengthening the ecosystem. Farmers are being trained to become aware of the technical details of these initiatives for their effective implementation.
- ◆ **Mukhyamantri Samekit Chaur Vikas Yojana:** This scheme aims to promote the integrated development of private and government Chaur (wetland) areas in the state. For this, it adopts an integrated approach to Chaur development, encompassing fish production, agriculture, horticulture, and agroforestry. It is estimated to result in an additional fish production of 50,000 tonnes along with other agricultural products. The integration of modern technology will offer newer prospects to fish farmers, thereby boosting their employment and income. In 2022-23, the scheme developed 346.41 hectares of chaur areas with a financial outlay of Rs. 873.19 lakh.

3. Building Construction Department

- ◆ **Eco-friendly Construction Practices:** Various initiatives are being undertaken to promote eco-friendly construction practices in the state, such as use of fly ash bricks over traditional ones, encouraging the use of solar panels and sewage treatment plants. The planting of new trees while responsibly relocating those impacted by construction is part of the afforestation efforts in the state.
- ◆ **Promotion of Rainwater Harvesting:** Rainwater harvesting is being implemented in under-construction and government buildings to replenish groundwater levels. During 2019-20 to 2021-22, about 6790 rooftop units were completed in government residential and non-residential buildings, meeting the set target.
- ◆ **Use of Energy-Saving Measures:** Towards reducing energy consumption, use of LED bulbs and air conditioners with high efficiency ratings along with timely switching-off of electrical appliances/bulbs is being encouraged in the state. Solar panels are being installed on rooftops of government buildings and offices in Patna, with Bihar Renewable Energy Development Agency (BREDA) providing provision and a 'no-objection certificate' for other government buildings. Over the last few years, the Department is incorporating green concepts into their iconic and state-of-the-art building projects to minimize dependency on conventional sources of lighting and air conditioning. Bihar Museum, Patna has been awarded a four-stars under Green Rating for Integrated Habitat Assessment (GRIHA) for its construction using the green building concept. Dr. A.P.J. Abdul Kalam Science City in Patna is set to achieve five stars in GRIHA. Bihar Sadan in Dwarka, New Delhi, has been built on a

Green Concept with a vertical air circulation system for energy conservation and solar heater for hot water supply.

- ◆ **Net Zero Waste Discharge System:** Some buildings have implemented a net-zero waste discharge system, allowing reuse of waste-water after treatment for toilet flushing and gardening. Government buildings and offices are installing sensors in bathrooms and toilets to reduce water wastage for sanitation and other purposes, while alternative boring arrangements are being made to bring groundwater under control.

4. Energy Department

- ◆ **Bihar Renewable Energy Development Agency (BREDA):** The oil shocks of the 1970s felt in the country emphasized the need for attaining energy self-sufficiency and clean environment as drivers for renewable energy to achieve energy security. BREDA collaborates with the State government to create and execute renewable energy policies, encompassing setting targets, offering subsidies and streamlining regulations. The programmes initiated for FY 2024-25 are as follows:
- ◆ **Grid-Connected Rooftop Solar Power Plants:** The state has allocated Rs. 127 crores for 25-MWp grid-connected solar rooftops on government buildings under the Jal-Jeevan-Hariyali Abhiyan.
- ◆ **Conversion of Off-Grid Rooftop Solar Power Plant to Grid-Connected/Hybrid:** A 3.08-MWp off-grid rooftop solar power plant would be converted to a grid-connected/hybrid system as part of this proposed project, which would cost the state Rs. 2.70 crores in total. The maintenance and repair work of the solar power plant with a 5-year Comprehensive Maintenance Contract (CMC) and net-metering is also included.
- ◆ **Installation of Solar Street Lights:** The state funding towards installation of 500 solar street lights in the state stands at Rs. 1.95 crore.
- ◆ **Installation of Off-grid Solar Power Plant:** The proposal involves the installation of a 1-MWp off-grid solar power plant with a state share of Rs. 1.60 crore for emergency purposes.
- ◆ **Bihar State Jal Vidyut Nigam:** The Bihar State Hydroelectric Power Corporation (BSHPC) is overseeing the expansion of hydroelectric power projects in the state, to utilize its hydel potential. At present, 13 mini and small hydel projects are operational in the state, with a total installed capacity of 54.3 MW. BSHPC is constructing 11 more mini hydel power projects, with a total capacity of 9.3 MW, in the districts of Arwal, Aurangabad, Rohtas, Supaul and West Champaran.

5. Environment, Forest and Climate Change Department

The State government is dedicated to promoting environmental balance, mitigating climate change's negative impacts, controlling pollution, and protecting water sources, wildlife, and

biodiversity. The focus is on strengthening the green economy by providing employment and self-reliance opportunities to its stakeholders through forestry-dedicated livelihoods, private nurseries, technology use, eco-tourism, and park development. Mainly, the green budget funds will be used for natural forest development, urban forestry, eco-tourism, tree plantation, wildlife conservation, soil and water conservation, and garland trenching.

- ◆ **Jal-Jeevan-Hariyali Abhiyan:** Launched in 2019, the Jal-Jeevan-Hariyali Abhiyan (JJHA) is a comprehensive program aimed at achieving water conservation, environmental restoration and overall sustainable development. The Department is actively pursuing systematic efforts in afforestation, environment conservation, wildlife conservation and eco-tourism. The department's large-scale afforestation efforts under Agriculture Roadmap and Jal-Jeevan-Hariyali Abhiyan involve stakeholders to boost green cover and environmental health.

- ◆ **Afforestation Efforts outside the Natural Forest Areas**

- o Besides the JJHA, the state is promoting tree plantation along canals/rivers, roadsides, urban forestry, and district/sub-division/block headquarters. Under agroforestry, tree plantation work is being carried out by farmers on tenants' land and nurseries on farmers' land. The department is also nurturing the plants in nurseries. Planting of bamboo is being encouraged under the National Bamboo Mission, with stakeholders receiving training on manufacturing bamboo products like furniture and incense sticks.
- o **Compensatory Afforestation Fund Management Planning Authority (CAMPA):** This aims to compensate for ecological loss due to forest land diversion for non-forestry purposes. It is decided to use at least 80 percent of the funds for afforestation and wildlife habitat improvement, with the remaining for infrastructure and capacity building. A total of 1.53 lakh plants was planted in 2022-23, against the target of 1.59 lakh, and 18.89 lakh plants have been planted so far in 2023-24.
- ◆ **Garland Trenching:** The scheme on Garland Trenching has been initiated in Bihar's forests in the southern districts to conserve water and biodiversity. Over 6.69 lakh cubic meters of rainwater has been collected, contributing to the conservation of these vital ecosystems.
- ◆ **Development of Natural Forests:** On recommended forest lands, the maintenance of existing plantations, along with soil and water conservation efforts and garland trenching are being undertaken.
- ◆ **Plant Tissue Culture Lab:** Through the establishment and development of the lab, the plan is to produce quality plants which can be further used in tree plantation work.
- ◆ **State Action Plan on Climate Change (SAPCC):** Global warming has significant negative impacts on natural resources and biodiversity worldwide. The Paris Agreement aims to limit average temperature rise to 1.5°C. The SAPCC is being prepared following the guidelines

from the Ministry of Environment, Forest and Climate Change and envisages climate profiling and vulnerability assessment to tackle climate challenges.

- ◆ **Climate Resilient and Low Carbon Development Pathway:** The Bihar State Pollution Control Board has signed a MoU with the United Nations Environment Programme (UNEP) to make the state carbon-neutral by the year 2070 as per the country's international commitment. The strategy focuses on sectors like energy, industry, solid waste, transportation, and construction, and develop vulnerability profiles for social and economic sectors.
- ◆ **Climate Change Learning Lab:** The Climate Change Learning Lab, launched in 2022, is an interactive platform supported by the German development agency, GIZ, and is aimed at raising awareness and understanding about specific climate change issues in Bihar.
- ◆ **Wetland Conservation and Development:** The National Wetlands Decadal Change Atlas (2021) lists 4526 wetlands in Bihar, covering 2.25 hectares. The Climate Change and Wetland Wing of the Environment, Forest and Climate Change Department and the State Wetland Authority work with local, national and international partners to identify and manage wetlands, including the RAMSAR sites. In the first phase, 133 wetlands larger than 100 hectares are prioritized, with brief documents and health cards of 60 wetlands prepared and uploaded to the Wetland India Portal, aligning with the Wetlands (Conservation and Management) 2017 Rules.
- ◆ **Ban on Single-use Plastic:** The state has enacted a comprehensive ban on plastic carry bags and single-use plastic items, aiming to combat pollution and protect the environment. With a statewide coverage, this applies to all urban local bodies and gram panchayats since 2018. This aligns with the Plastic Waste Management Rules 2016 (amended in 2022) and the Union Ministry of Environment, Forest, and Climate Change's notification of 2021.
- ◆ **Development of Eco-tourism and Parks:** Various initiatives such as identifying and developing tourist spots in all districts, and development of parks in all districts to improve the overall ambient air quality is being undertaken. Also, Rajgir's Nature Safari and Rajgir Zoo Safari, covering 250 acres and 480 acres, respectively, are the state's first safari parks, showcasing the potential of eco-tourism.
- ◆ **Pollution Control:** Various types of works related to pollution control are being carried out in the state.
 - **Ambient Air Quality Monitoring:** The Bihar State Pollution Control Board monitors ambient air quality through 35 Continuous Ambient Air Quality Monitoring Stations (CAAQMS) in 23 districts of the state. Bihar is the first state in the country to monitor ambient air quality at the block level in rural areas of the state, using indigenous technology, in collaboration with IIT Kanpur. The state has installed 534 low-cost sensors in all the blocks across 38 districts. The low-cost sensors, coupled with satellite data, are being used for this purpose. Additional

sensor sets have been installed at the Bihar State Pollution Control Board (BSPCB) headquarters in Patna. This project is part of a three-year Research and Development programme.

- **Noise Monitoring:** The monitoring of ambient noise level in cities is being undertaken to address noise pollution from various sources, which includes loud speakers, transport vehicles, construction activities, generator sets, industries, and firecrackers, to help ensure a healthy sound level during both day and night.

◆ **Wildlife Protection, Conservation and Management**

- **Wildlife Habitat Development Scheme:** This has been sponsored by the Central government, focuses on protecting, conserving and managing sanctuaries, wildlife in outer areas, and preventing human-wildlife conflicts in the state.
- **Vikramshila Gangetic Dolphin Sanctuary:** The Bhagalpur district in Bihar houses the only dolphin sanctuary in the country, with 1464 dolphins discovered in a 2018-19 survey conducted in Ganga, Gandak, Kosi, Parmar, Mechi, and Mahananda rivers. The sanctuary is a 60-kilometer stretch along Ganga, extending from Sultanganj to Kahalgaon in the district of Bhagalpur.
- **Valmiki Tiger Reserve:** This project is a multi-faceted initiative aimed at protecting the forests, wildlife, and local communities. The district of West Champaran houses the Valmiki National Park and Valmiki Wildlife Sanctuary. During 2023-24, the state share in the programme amounts to Rs. 371.10 lakh with a central share of Rs 1112.00 lakh. The project aims to protect forests, manage reserve area, raise awareness about wildlife conservation among local communities, prevent poaching and forest offenders, and foster eco-tourism in the Tiger Reserve.
- **Gaj Project:** Under this, an elephant rescue and rehabilitation centre has been established in West Champaran district to protect the habitat of elephants. This aims to create a conducive environment for elephant migration within forests, with annual action plans for protection, conservation and control of human-elephant conflicts arising from wild elephants straying from bordering states. In the financial year of 2023-24, the Government of India has implemented a single scheme called the Project Tiger and Project Elephant.

6. **Health Department**

- ◆ **Greening of Health Centres:** Bihar's Jal-Jeevan-Hariyali Abhiyan brings rainwater harvesting to health centres/hospitals, promoting water security and sustainability in the state.
- ◆ **Building Green with Green Rating for Integrated Habitat Assessment (GRIHA):** The Bihar Medical Services and Infrastructure Corporation Limited (BMSICL) is leading the green building initiative by utilizing GRIHA technology, a green rating system, to construct eco-friendly and sustainable healthcare facilities in the state.

7. Department of Industries

Bihar Biofuels Production Promotion Policy (2023)

- ◆ The Bihar Ethanol Production Promotion Policy 2021 has been swapped with the Bihar Biofuels Production Promotion Policy 2023, which mandates the establishment of 17 ethanol production units in the state.
- ◆ The policy aims to develop green-field standalone ethanol and compressed bio gas/ Bio Compressed Natural Gas (CNG) production units in Bihar, focusing on the development of investors, farmers and stakeholders. The units must produce 100 percent ethanol and compressed bio gas, approved under the National Bio-Fuel Policy 2018 and the National Bio-Fuel Coordination Committee.
- ◆ The policy envisages provisioning of facilities and financial assistance to fuel grade standalone new greenfield ethanol and compressed biogas/bio-CNG units for establishment in Bihar along with the benefits of grants given under the policy.
- ◆ The main aim is to boost farmers' income by providing raw materials and feed-stock for ethanol and compressed biogas production and to create local employment opportunities by promoting fuel-grade standalone New Greenfield Ethanol and Compressed Biogas production units.

8. Minor Water Resources Department

- ◆ **Revitalizing large ponds and Ahar-pynes:** Under the Jal-Jeevan-Hariyali Abhiyan, renovation work on Ahar-pynes covering over one acre and ponds covering five acres is going on in the entire state. Also, the construction of check dams/weirs on small rivers and drains is being carried out. The construction of large water bodies on public land and garland trenches at mountain foothills is being proposed, which would enable the provisioning of irrigation facilities, water harvesting, and recharging of groundwater in the state.
- ◆ **Irrigation Facilities:** Ensuring reliable water access for increased crop yields and farmers' income is one of the priorities of the Department. Under the Jal-Jeevan-Hariyali Abhiyan and 'Har Khet Ko Sichai Ka Pani' initiatives, so far, about 2143 Ahar-Pyne/Weir/Lift Irrigation/Garland Trench and Pond schemes have been completed, with work continuing on 288 schemes. These schemes have helped in restoring irrigation facilities in 2,41,501 hectares and restoration of about 992 lakh cubic meter water storage capacity. In 2023-24, nearly 729 Ahar-Pyne/Talab/Check Dam and Lift Irrigation schemes have received administrative approval so far.
- ◆ **Other Activities:** Besides irrigation, implementing water harvesting during lean periods of irrigation, recharge of groundwater and facilitating fish farming through water harvesting in water bodies of the state.

9. Public Health Engineering Department (PHED)

- ◆ **Eco-friendly construction:** The Public Health Engineering Department is promoting the use of eco-friendly construction materials in various schemes, including in the Har Ghar Nal Ka Jal scheme and the Jal-Jeevan-HariyaliAbhiyan. This helps in reducing deforestation and carbon footprint of infrastructure projects.
- ◆ **Groundwater Conservation:** The Department encourages tree plantation for carbon sequestration and environmental restoration, while public wells and soak pits promote rainwater harvesting and groundwater recharge, enhancing water conservation.
- ◆ **Community Engagement:** Under the Jal-Jeevan-Hariyali Abhiyan, organizing monthly Jal Chaupal meetings at the ward level on the first Thursday of every month fosters awareness about water issues and encourages responsible water usage, leading to reduced waste and appreciation for clean water.

10. Road Construction Department

Bihar is a rapidly developing state in terms of infrastructure development, specifically in the road construction sector. It is facing social and environmental changes due to rapid urbanization, land-use changes, water quality degradation, biodiversity loss, pollution, and consequently impacting human health. The high population density and increasing demand for land for road construction have increased environmental risks. The Bihar State Road Development Corporation (BSRDCL) has implemented the following measures to prevent negative environmental impacts from road construction projects.

- ◆ **Prioritizing Tree Conservation:** The focus is on aligning roads to prevent tree cutting or have minimum cuts with approval based on rules and compensatory afforestation payments to the Environment, Forest and Climate Change Department. Trees are not cut outside the proposed route and design changes are made to minimize damage. Tree translocation work is also being done, demonstrating commitment to responsible development to preserve biodiversity and ecosystem services.
- ◆ **Monitoring Air and Water Quality:** The tender/contract documents are incorporating guidelines for quality control of air, noise and water, binding contractors to adhere to these standards, along with monitoring by the Project Implementation Unit. Also, dedicated systems to track both groundwater irrigation quality and ambient air quality during road construction are being implemented in the state.
- ◆ **Prevention of Noise Pollution:** "No Horn" notice boards and sound blocking boards are being installed in sensitive areas like residential areas, schools, health institutions, and religious and cultural places to prevent noise pollution.
- ◆ **Management of dust during road construction:** To keep check on dust generated during road construction, water sprinklers and Green Mesh are being used to prevent dust from flying. Also, a sprinkler system is installed, while using a crusher to prevent dust from flying.

11. Rural Development Department

- ◆ **Lohiya Swachh Bihar Abhiyan:** This public awareness campaign integrates 'Swachh Bharat Mission' and Lohiya Sanitation Scheme which have provided toilet access to 122.15 lakh families in the first phase. In its second phase, the campaign aims to achieve "ODF-Plus (Open-Defecation Free-Plus)" status for Gram Panchayats during 2020-21 to 2024-25 through sustainable solid and liquid waste management, focusing on creating "completely clean" villages.

The main goal of this campaign is to ensure that all families have access to individual toilet facilities, with 13.25 lakh beneficiaries (as of November 2023) having self-constructed a toilet under its second phase. In the second phase of the campaign, there is a plan to construct 6 lakh toilets, 533 community sanitation units, a campus and sewage sludge management plants, and conduct public awareness campaigns during 2020-21 to 2024-25. The plan also includes construction of individual toilets, community sanitation complexes, solid waste management and plastic waste management. The project will require an expenditure of Rs. 1,506 crore for management, gray water management, sludge management, information education, and communication.

- ◆ **Solid and Liquid Waste Management:** This mainly includes collection and disposal of solid waste from house to house and cleaning of drains. At present, door-to-door collection and disposal of solid waste is being carried out in 67,592 wards, indicating a comprehensive approach to waste management. Also, 5,337 e-rickshaws and 73,147 pedal rickshaws are being used for collection and disposal of garbage at the Gram Panchayat level. Also, setting up of Waste Processing Units (WPUs) in 3,325 Gram Panchayats promotes localized waste management and reduces reliance on distant landfills. About 1.12 lakh community soak pits have been constructed for management of liquid waste.
- ◆ **Gobardhan Yojana:** The disposal of cow dung and agricultural waste are being carried out under this scheme. The construction of 14 Gobar Dhan units for production of bio-gas at the district level has facilitated conversion of agricultural and animal waste into clean and renewable energy.
- ◆ **Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGS):** This has been instrumental in conserving natural resources, enhancing their productive capacity, and creating wage employment through various interventions such as:
 - **Water Conservation:** The rejuvenation and maintenance of traditional water bodies like Ahars and Pynes has led to efficacious water management, increase in water table, enhancement in agricultural productivity while also arresting the process of desertification. Similarly, the rejuvenation of ponds belonging to both community commons and individual beneficiaries has contributed to water conservation, efficiency in use of water, increase in water table and promotion of livelihood activities like fishery. Dredging, cleaning and inter-linking of water channels with local rivers in Supaul and Rohtas are templates which MGNREGS intends to

replicate elsewhere as well. This has been helpful in tackling the problem of water-logging which has been responsible for adversely affecting agriculture, livelihood and rural mobility. Also, MGNREGS has undertaken the construction of check-dams on a big scale, which prevents the run-off of surface water ensuring storage of water and its use for irrigation. Similarly, the construction of soak pits around hand pumps has been a very successful program under MGNREGS.

- **Increasing Green Cover through Plantations:** A major activity under MGNREGS involves increasing the green coverage through plantation. Trees are selected on the basis of local suitability and care is taken to ensure their survival through fencing and dedicated 'Van Poshaks'. The saplings are sourced from Jeevika's 'Didi ki Nursery', which contribute to livelihood promotion as well.
- **Pollution Mitigation:** Many Waste Processing Units (WPUs) have been constructed for effective waste processing, reuse of reusables and safe disposal of waste.
- **Futuristic Interventions:** MGNREGS is open to new ideas and possibilities as long as they contribute to a better environment while creating wage employment for unskilled workers in the process. In order to ensure standardization of works related to natural resource management, Geographic Information System (GIS) is used in a systemic and comprehensive manner.

12. **Rural Works Department**

- ◆ **Bihar Rural Road Maintenance Policy 2018:** This policy has been implemented for regular and systematic repair and maintenance of rural roads in the state. The policy allows for tree plantations on roadside land, with payment for trees at 30 percent of the rate per tree, and after five years of maintenance, with the remaining 70 percent of the amount to be paid, reducing the number of dead trees. This would ensure effective tree plantation in the state. In 2023-24, about 26514.93 kms. of roads have been renovated with tree plantations on both sides, and at present, 12,175 roads (33429.06 kms.) are approved for tree planting. The Department aims to plant trees on approximately 9000 kms. stretch of road during 2024-25.
- ◆ **Use of Waste Plastic in Road Construction:** The use of waste plastic (6-8% of the weight of bitumen) in construction of tarred roads is being encouraged in the state. Under the Pradhan Mantri Gram Sadak Yojana (PMGSY-I, PMGSY-II, PMGSY-III), a total of 1040 roads (total length 4160.97 kms.) are approved, out of which 819 roads (total length 2708.80 kms.) have been completed so far.

13. **Sugarcane Industries Department**

- ◆ **Seed Grant:** The Mukhyamantri Ganna Vikas Yojana aims to increase sugarcane production, productivity, and recovery percentage in the state by distributing subsidized certified sugarcane seeds to farmers through sugar mills for a total of 10 strains of sugarcane varieties. A subsidy of Rs. 210 per quintal and Rs. 240 per quintal is being given to General category farmers and Scheduled Caste/Scheduled Tribe categories of farmers, respectively,

to enable purchase of certified sugarcane seeds of the 10 selected varieties.

14. Tourism Department

- ◆ **Eco-Tourism Potential:** The Valmikinagar Tiger Reserve (VTR) in Bihar, home to over 50 tigers, is being promoted for eco-tourism through river routes, lakes and ponds. The southern districts of Kaimur and Rohtas and the reservoirs, waterfalls and forests of the districts of Munger, Jamui and Banka feature picturesque landscapes. The Department is collaborating with the Environment, Forest and Climate Change Department to promote various activities such as water sports, boating, trekking, cycling routes, night camping and motorcycle trips.
- ◆ **Establishment of New Buildings in Rajgir:** The Environment, Forest and Climate Change Department is implementing a scheme to demolish old structures and construction of a new integrated building near a ropeway for eco-tourism and wildlife refuge preservation with an outlay of Rs. 16,38,73,000.
- ◆ **Development of Tourist Structure in Ghoda-Katora in Rajgir:** A sum of Rs. 11,43,15,000 has been approved for the development of tourist structures in Ghoda-Katora, Rajgir for 2023-24, including a parking area, boom barrier, waiting shed, pavilion, main entrance, watch tower, and Rajgir Zoo Safari entrance wall.
- ◆ **Development of Tourism at Gurpa Mountain:** The plan for development of facilities, for 2023-24, at Gurpa mountain, which lies in the Fatehpur block of the Gaya district includes construction of a pilgrim rest house, toilet, signage, high mast light, approach pathway, culvert and waiting room with a sum of Rs. 9,17,52,000.
- ◆ **Eco-Tourism Schemes:** Proposals for eco-tourism schemes are being developed, including the development and beautification of Rohtasgarh Fort, Dhua Kund and Manjhar Kund in Rohtas, tourist development work near Shergarh Fort in Rohtas, creation of tourist facilities near Tutla Bhavani Temple in Rohtas, installation of a giant Buddha statue on Dungeshwari mountain in Gaya, and construction and renovation of tourist structures at Guptadham in Rohtas.

15. Transport Department

- ◆ **Bihar Clean Fuel Scheme**
 - **Ban on Diesel-powered Three-wheelers:** Since March 31, 2022, implementing a ban on diesel-powered three-wheelers within the limits of Patna Municipal Corporation (PMC) and surrounding municipalities such as Danapur, Khagaul and Phulwari Sharif Nagar Parishad demonstrates a strong commitment to reducing air pollution. Also, diesel-powered three-wheelers are not allowed to operate within the municipal limits of Gaya and Muzaffarpur since September 30, 2023.
 - **Encouragement to Cleaner Vehicles:** The scheme offers grants for replacing diesel/petrol three-wheelers with CNG or battery-powered ones in restricted areas and for retrofitting with CNG kits in petrol-powered three-wheelers/motor

cabs/maxi cabs. A sum of Rs. 4,01,20,000 has been disbursed to 1505 beneficiaries, indicating a significant uptake of the scheme.

- **Ban on Diesel-powered city buses in Patna:** There has been a ban on the operation of diesel-powered city buses in the urban areas of Patna from September 30, 2023. As part of this initiative, 121 diesel buses will be replaced with CNG buses. For this purpose, the bus owners will receive a grant of Rs 7.50 lakh per bus to incentivize the switch under the Bihar Clean Fuel Scheme.

◆ **Minimizing Vehicular Emissions**

- **Imposition of Green Tax on Vehicles older than 12 years:** The Bihar Vehicles Taxation Act, 1994 amendment introduces a 10 percent "green tax", including an additional tax, for registered transport vehicles that are older than 12 years, except in the case of three-wheelers, tractors and trailers.
- **Ban on Operation of all Government Vehicles older than 15 years:** Since 2019, the State government has banned the operation of all government vehicles older than 15 years, focusing on public interest and addressing air pollution caused by vehicular emissions.
- **Ban on Operation of Commercial Vehicles older than 15 years:** The Patna Municipal Corporation, Danapur Nagar Parishad, Khagaul Nagar Parishad, and Phulwari Sharif Nagar Parishad have banned the operation of commercial vehicles older than 15 years to prohibit the commercial vehicles from emitting more polluting gases.
- **Vehicle Scrappage Policy:** The policy aims to reduce vehicle-borne pollution in the state. It provides relief in tax and penalty for registered vehicles in dilapidated condition, destroyed, sold for scrap, or unfit for operation, and for vehicles, both private or commercial, which are over 15 years old.

- ◆ **Conversion of BSRTC Diesel Buses to CNG and Purchase of New CNG Buses:** To combat air pollution in the state, the Department has converted 41 diesel buses into CNG during 2019-20 and 2021-22. During 2020-21 to 2021-22, a total of 100 Non-AC CNG and 25 AC CNG buses were purchased. At present, 166 CNG buses are operational in the fleet.
- ◆ **Operation of Electric Buses:** BSRTC has been operating 25 electric buses in Patna's urban areas (FAME-II) since 2020-21. A seven-year agreement with M/S Ashok Leyland is in place, with a total cost of Rs. 104.58 crore. All 25 electric buses are powered by Green Fuel, a sustainable method of transportation that aims to maintain the ambient air quality. Further, under the PM e-Bus Seva Scheme of the Ministry of Housing and Urban Affairs a total of 400 electric buses will be procured on Gross Cost Contract (GCC) for six cities in Bihar, namely Patna, Muzaffarpur, Gaya, Bhagalpur, Darbhanga and Purnea. The PM e-Bus Seva Scheme, which was proposed to the Government of India, has been granted consent in-principle at the state level.

- ◆ **Use of Electric Car:** The Department has initiated the first phase of encouraging the use of electric cars and has provided a 50 percent rebate in road tax towards registration of electric vehicles to combat environmental pollution from vehicular emissions.
 - ◆ **Mukhyamantri Gram Parivahan Yojana:** Launched in 2018, this scheme provides passenger transport facilities in rural areas and employment opportunities, specially for the deprived sections. The scheme provides a 50 percent grant of up to Rs. 1 lakh to selected beneficiaries per Panchayat for purchase of vehicles.
- The Department has approved the purchase of e-rickshaws with provisions for 50 percent grant to selected beneficiaries for purchase of e-rickshaws, with a maximum of Rs. 70,000.
- ◆ **Establishment of Pollution Checking Centers:** The establishment of pollution checking centers to reduce vehicle-generated pollution is being undertaken under the provisions of the Motor Vehicles Act. The District Transport Officer has been delegated the power to grant licenses, and so far, 1488 pollution testing centers have been opened in the state. Pollution check certificates are being issued online, ensuring the safety of data on pollution-checked vehicles and making it easier to check defaulter vehicles.
 - ◆ **Establishment of CNG Filling Stations:** Gas Authority of India Limited (GAIL) has established 27 CNG stations in Patna, with a total of 106 stations currently operational in the state. This enables the supply of Compressed Natural Gas (CNG) to CNG cars and autos. Additional stations are under construction, and a CNG filling station has been started in Begusarai.
 - ◆ **Exemption in Road Tax:** There is a provision for 50 percent exemption in road tax for all types of battery-operated vehicles.

16. Urban Development and Housing Department

- ◆ **Drain construction, Sewerage and Sanitation Works:** Work on construction of drains, sewerage and other sanitation facilities is being undertaken in all municipal areas of the state.
- ◆ **Storm Water Drainage System (Saat Nishchay-2):** To solve the problem of water-logging, a drainage system will be developed in municipal bodies to drain water and keeping the environment clean. To solve the problem of water-logging in Patna city and its surrounding areas. Projects from Catchment-1 to 9 have been approved at an estimated expenditure of Rs 957.51 crore. The renovation plan of Saidpur Nala has been approved at an estimated expenditure of Rs 259.81 crore. Apart from this, a storm water drainage scheme worth Rs. 1034.67 crore has been approved for 7 Municipal Corporations (Darbhanga, Samastipur, Arrah, Purnea, Sitamarhi, Bettiah and Chhapra) and 4 Municipal Councils (Madhepura, Sheohar, Jehanabad and Bodh Gaya).

- ◆ **Jal-Jeevan-Hariyali Abhiyan (JJHA):**
 - **Restoration of Ponds:** Against the target of 318 ponds/wells identified in the urban areas of the state, the restoration work on 104 ponds/wells have been completed so far.
 - **Installation of Rainwater Harvesting Facilities:** The work of rainwater harvesting has been completed in all the 429 buildings owned by the Urban Development and Housing Department.
 - **Construction of Soakage and Well renovation:** Under this, rainwater harvesting, construction of drainage near 9174 handpumps, construction of drainage near 3336 wells and the renovation of 3744 wells have been completed.
- ◆ **Swachh Bharat Mission (SBM):** Under this scheme, the work of construction of toilets and solid waste management is being undertaken. The construction work of 4,07,570 toilets has been completed. The implementation of 100 percent door-to-door waste collection and source segregation in 141 municipal bodies is a significant step towards sustainable waste management. Out of the total 5467 TPD (Ton per day) collected, about 1385 TPD waste (25 percent) waste has been processed. A total of 51 Material Recovery Facilities (MRF) are being operated in 35 municipal bodies towards the management of dry waste. About 185 Waste-to-Compost Centres are being operated in 87 municipal bodies towards management of wet waste. Also, a MRF Centre with a capacity of 5 TPD (Ton per day) has been established in Patna for processing of plastic waste in collaboration with United Nations Development Programme (UNDP).A publicity campaign is underway to reduce and eliminate the use of single-use plastic carry bags and plastic carry bags, as per the provisions in the Bihar Municipal Plastic Waste Management (Amended) Model Bye-laws 2022.
- ◆ **Atal Mission for Rejuvenation and Urban Transformation (AMRUT):** Under this centrally sponsored scheme, park construction in 20 municipal bodies of the state, storm water drainage scheme in 3 municipal bodies and water supply schemes in 21 municipal bodies are being implemented. Towards construction of parks, work of plantation and development of green space is being done, out of which the work of 24 parks has been completed. The work of rainwater harvesting is being done under the Storm Water Drainage Scheme. This scheme has been completed in two municipal bodies and work is in progress in one. Under the water supply scheme, underground water harvesting and recharge pit is also being made. Stand posts will also be installed, there is also a provision for making recharge pit in these areas.
- ◆ **Patna Metro Rail Corporation:** Under the proposed project, two corridors have been selected in Patna; one corridor starts from Danapur and goes to Khemnichakvia Jawaharlal Nehru Marg (Bailey Road) and Patna Railway Station, Mithapur, totalling 17.93 kms. The second corridor starts from Patna Railway Station and goes upto Patliputra Bus Terminal via Akashvani, Gandhi Maidan, Ashok Rajpath, Moinulhaq Stadium, MalahiPakri Bypass, Khemni Chak, and Zero Mile, and spans 14.57 kms. With the implementation of the Patna

Metro Rail Project, it is expected to reduce operation of public vehicles, traffic load, and air and noise pollution in the state.

- ◆ **Smart City Mission:** Under this scheme, there is a provision to promote the use of solar energy in the state in the interest of environment.
 - **Patna Smart City Scheme:** Under this, the beautification and plantation work is being undertaken along the flyover. Under this, the beautification/redevelopment work of a 7-kilometer area from the entry point of Gandhi Maidan to Digha Golambar on the northern side of Ganga Path. Also, a total of 25 e-buses are being operated to keep Patna city clean and pollution-free. Solar power plants are being installed at 20 government buildings/sites so that 908 KWH electrical power can be obtained.
 - **Bihar Sharif Smart City Scheme:** Under this, solar power plants have been installed at 37 building sites, so that 320 KWH electrical power can be obtained.
 - **Bhagalpur Smart City Scheme:** Under this, solar power plants are being installed on 7 buildings, so that 336 KWH of electrical power can be obtained.
 - **Muzaffarpur Smart City Scheme:** Under this, a solar power plant has been installed at one building/site, so that 25 KWH electrical power can be obtained.
- ◆ **City Development Building Construction Scheme:** There is a provision for installation of rainwater harvesting/solar lights under this scheme. Also, green space is to be developed on the building premises.

17. **Water Resources Department**

- ◆ Under the Water Resources Department, the work of management of water resources for irrigation, flood protection, command area development and water management is done under large and medium projects. During 2023-24, irrigation facility was provided in 25.04 lakh hectares of area through major and medium irrigation schemes which include Kharif, Rabi and Garma irrigation. Against the target of 22.00 lakh hectares for Kharif irrigation in 2023-24, irrigation has been provided in 19.75 lakh hectares of area.
- ◆ **Har Khet Tak Sinchai Ka Paani (Saat Nishchay-2):** Under Saat Nishchay-2, the State government has set a target of providing 'irrigation water to every farm'. The objective of this initiative is to provide irrigation to unirrigated fields in all villages. Suitable schemes have been identified after field survey visits and consultation with farmers. So far, administrative approval has been given for 1165 schemes, out of which 619 schemes have been completed and work on 546 schemes are in progress.
- ◆ **Ganga Jal Apurti Yojana:** Changes in the nature of rainfall, changes in the intensity and quantity of rainfall and decline in groundwater levels due to climate change have led to an increase in the frequency of drought and floods in the state of Bihar. Along with this, drinking

water crisis has also arisen due to falling groundwater level in many areas of Southern parts of the Bihar. As such, to limit climate change effects and establish ecological balance, the Ganga Jal Apurti Yojana is being implemented under the Jal-Jeevan-Hariyali Abhiyan. The supply of water to areas such as Gaya, Bodh Gaya, Rajgir and Nawada will help in addressing water shortage and reduce groundwater exploitation in these areas. This scheme is the first of its kind in the state. During the rainy season, the surplus water from Ganga will be lifted and stored in Rajgir and Teter reservoirs, which will recharge the groundwater in these areas. Along with drinking water for the common people, water will also be available in zoo safaris and nature safaris.

- ◆ **Gayaji Dam (Rubber Dam) on Falgu River:** India's longest rubber dam, the Gaya Ji Dam, has been constructed to ensure water availability in the Falgu river near Vishnupad Temple. The modern technology-based scheme, costing Rs. 386.85 crore, will provide at least 2 feet of water throughout the year for 500 meters in front of the temple. Under IIT Roorkee's supervision, this first-of-its-kind facility in the state was completed in 2022. The scheme is beneficial to devotees who are performing religious rituals. The Sitapul built over Falgu has made it easier for devotees to reach Sita Kund and thousands of tourists visit the site daily.
- ◆ **Western Kosi Canal Project:** Under this, the desilting of canals, along with restoration and residual work of their dams and structures is being done. Currently, the project has created 18,461 hectares of additional irrigation potential and restored 70,777 hectares of lost irrigation potential, providing water to the Madhubani and Darbhanga districts. The scheme aims to increase irrigation potential by 64,240 hectares and restore the lost potential by 1,41,025 hectares, benefiting farmers in 19 blocks of Madhubani and 5 blocks of Darbhanga districts.
- ◆ **Sindhvarani Reservoir Scheme:** This scheme is being completed in Haveli Kharagpur block of the Munger district at a cost of Rs. 125.82 crore, creating additional irrigation capacity of 1,660 hectares. Farmers in Kharagpur, TettiyaBambar, and Sangrampur blocks will specifically benefit from this. The Dakranala Pump Canal Scheme, at a cost of Rs. 145.43 crore, will create additional irrigation capacity of 3284 hectares, benefiting farmers in the blocks of Suryagarha, Munger Sadar, Jamalpur and Dhanhara.
- ◆ **Kundghat Reservoir Scheme:** The Kundghat Reservoir Scheme, worth Rs. 185.21 crore, is being constructed to provide irrigation facilities in the drought-hit Bahuar river area in Sikandra block of the Jamui district. The scheme will provide irrigation cover for 2035 hectares and includes a 300-metre long earthen dam, gated spillway, and discharge distribution systems. The project aims to increase green cover and provide water for the area.
- ◆ **Restoration of Saran Main Canal:** Restoration work is being undertaken on the Saran Main Canal from 0.00 kms.to 17.00 kms.at a cost of Rs. 333.49 crore, while the Aurangabad district is undergoing restoration and lining work on the Eastern Link Canal from 0.00 kms.to 10.20 kms.ata cost of Rs. 235.24 crore.

- ◆ **River Inter-linking Schemes:** Various schemes of interlinking of rivers is being planned with an objective of reviving dead rivers in the state.
 - **Bagmati-Budhi Gandak (Belwadhar) River Inter-linking Scheme:** This scheme is being undertaken in the districts of East Champaran, Muzaffarpur, Sitamarhi and Sheohar with a cost of Rs. 130.88 crore.
 - **Bagmati-Budhi Gandak (Shantidhar) River Inter-linking Scheme:** This scheme is being undertaken at a cost of Rs. 120.96 crore in Samastipur district.
 - **Gandak-Akali Nala (Chaadi)- Gandak-Mahi-Ganga River Inter-linking Scheme:** This scheme is being undertaken in the districts of Gopalganj, Siwan and Saran with a cost of Rs. 69.89 crore. The state plans to achieve flood control, irrigation facility development and groundwater recharge through these river interlinking schemes.

18. Information and Public Relations Department

- ◆ **Publicity Efforts:** The Department is actively disseminating information about the Jal-Jeevan-Hariyali Abhiyan to the public through various means such as hoardings, newspaper advertisements, street plays and social media. This campaign aims to promote environmental conservation and make it a people's campaign by utilizing various media for continuous dissemination of information.

Annexure 1: Department-wise Green Budget Inputs

Budget Estimates – FY 2024-25

(Rs. in Lakh)

Sl.	Budget Code and Identified Schemes	FY 2022-23	FY 2023-24	FY 2024-25	FY 2024-25	Scheme Objective	Environment Sustainability Relevance			
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate					
Category 'A' - Fully Dedicated (90-100%)										
Environment, Forest, and Climate Change Department										
1	19-2406011010109 Rehabilitation of Degraded Forests	151.19	0.01	0.01	0.01	<p>At present there is no budget provision. The funding will be obtained through reallocation, and the plant maintenance work will be carried out through previously approved schemes.</p> <p>Sustainable Land Use and Planning Biodiversity and Ecological Conservation</p> <p>-----</p> <p>SDG 13 SDG 15</p> <p>-----</p> <p>Programme Implementation</p>	<p>At present there is no budget provision. The funding will be obtained through reallocation, and the plant maintenance/nourishment work will be done through previously approved schemes.</p>			
2	19-2406017890101 Rehabilitation of Degraded Forests	712.43	0.00	0.00	0.00					
3	19-2406017960103 Rehabilitation of Degraded Forests	101.04	0.00	0.00	0.00					
4	19-2406011010112 Development of Natural Forest	2084.89	9989.97	10000.00	10000.00					
5	19-2406017890105 Development of Natural Forest	1800.00	0.00	0.00	0.00					
6	19-2406017960135 Development of Natural Forest	518.00	0.00	0.00	0.00					
7	19-2406018000101 (Nahar Tat Farm) Canal Embankment Farm	0.00	0.01	0.01	0.01					
8	19-2406017890102 (Nahar Tat Farm) Canal Embankment Farm	423.03	0.00	0.00	0.00					

Sl.	Budget Code and Identified Schemes	Environment, Forest, and Climate Change Department				Environment Sustainability Relevance
		FY 2022-23	FY 2023-24	FY 2024-25	FY 2024-25	
	Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate	Scheme Objective	
Category 'A' - Fully Dedicated (90-100%)						
9	19-2406018000105 Road Side Farm (Path Tat Farm)	345.61	0.01	0.00	0.00	Tree plantation work will be done on the roadsides of the state. Under urban forestry, trees will be planted on the road connecting district/sub-division/block headquarters under entry-exit road. Under Agro-forestry, the work of setting up nurseries by the farmers and plantation of trees on the land owned by them will be done. Additionally, the parks will be developed. Plant nutrition work will be done. Saplings are being grown in the nursery, which will be nurtured.
10	19-2406017890103 Road Side Farm (Path Tat Farm)	415.75	0.00	0.00	0.00	Biodiversity and Ecological Conservation Sustainable Land Use and Planning ----- SDG 2 SDG 11 SDG 13 SDG 15
11	19-2406011020109 Forestry outside Natural Forest area	3676.32	10000.00	10000.00	10000.00	Tree plantation work will be done on the notified forest land outside the roads, canals, riverbanks under urban forestry.
12	19-2406017890106 Forestry outside Natural Forest area	1639.64	0.00	0.00	0.00	Programme Implementation
13	19-2406011010111 Jal-Jeevan-Hariyali Abhiyan	7076.68	10000.00	10000.00	10000.00	Natural Resource Management Biodiversity and Ecological Conservation Sustainable Land Use and Planning ----- SDG 11 SDG 13 SDG 15
14	19-2406021120101 Eco-tourism and park development	5621.14	10000.00	10000.00	10000.00	Programme Implementation
15	19-2406027890102 Eco-tourism and park development	1614.29	0.00	0.00	0.00	Green Economy and Employment Green Investment and Infrastructure ----- SDG 11 SDG 13 SDG 15
						Programme Implementation Technology and Infrastructure -----

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		FY 2024-25		Scheme Objective	Environment Sustainability Relevance
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate						
Category 'A' - Fully Dedicated (90-100%)											
16	19-2406011050104 Pollution Control Board	773.22	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	Various types of pollution control related work will be done with the amount of grant for Bihar State Pollution Control Board, which will reduce the effects of climate change. Under this scheme, management centers will be established in all the districts of the state.	Air and Water Pollution Abatement Sanitation and Waste Management SDG 11 SDG 13 Programme Implementation Regulation and Enforcement
17	19-4406010700102 Building	2420.27	3500.00	3586.98	3586.98	3586.98	3586.98	3586.98	3586.98	Construction of forest park, rest house, office and residence will be done inside the notified forest land.	Green Investment and Infrastructure SDG 15 Investment Programme Implementation Technology and Infrastructure
18	19-4406010700101 Road and Bridge	63.24	500.00	500.00	500.00	500.00	500.00	500.00	500.00	Repair work will be done on the forest paths available in the forest areas of the state, which will be helpful in patrolling the forest areas and will provide security to the forests	Green Investment and Infrastructure SDG 15 Programme Implementation Technology and Infrastructure
19	19-2406021100121 Wildlife Conservation, Protection and Development	924.26	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	Protection, conservation and promotion work of wild animals in various wildlife sanctuary areas of the state.	Biodiversity and Ecological Conservation SDG 15 Programme Implementation
20	19-2406011050105 Plant Tissue Culture Lab	0.00	200.00	200.00	200.00	200.00	200.00	200.00	200.00	Establishment and development work of Plant Tissue Culture Lab will be done to enable the use of high-quality saplings in tree plantation work.	Green Investment and Infrastructure SDG 2 SDG 15 Programme Implementation Research and Development

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		FY 2024-25		Scheme Objective	Environment Sustainability Relevance			
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate									
Category 'A' - Fully Dedicated (90-100%)														
Environment, Forest, and Climate Change Department														
21	19-2406021100324 Project Tiger	199.55	151.64	0.00	0.00	0.00	0.00	0.00	0.00	Work will be done towards conservation of tigers and their habitat enhancement in the Vanmiki Tiger Reserve.	Natural Resource Management Biodiversity and Ecological Conservation			
22	19-2406021100326 Project Elephant	10.47	3.78	0.00	0.00	0.00	0.00	0.00	0.00	Work will be done inside the forests to create a favourable environment for the habitat of elephants within the state.	SDG 15			
23	19-2406021100323 Integrated Wildlife Habitat Development	0.00	744.00	250.00	250.00	250.00	250.00	250.00	250.00	Action will be taken towards protection and conservation of wild animals.	Programme Implementation Training and Capacity Building			
24	19-2406021100327 National Aquatic Ecosystem Protection Scheme	0.00	0.00	30.00	30.00	30.00	30.00	30.00	30.00	Under this scheme, measures will be taken for habitat management and conservation of aquatic organisms.	Natural Resource Management Biodiversity and Ecological Conservation			
	19-2406041010304 Integrated Forest Management	95.23	407.90	214.80	214.80	214.80	214.80	214.80	214.80	Structural strengthening work will be undertaken in natural forests to enhance fire protection and implement other protective measures.	SDG 14			
25	19-2406041010305 National Bamboo Mission	5.07	0.00	25.00	25.00	25.00	25.00	25.00	25.00	Under this scheme, production of bamboo species, development of nurseries and publicity regarding bamboo-based products will be done.	Programme Implementation Training and Capacity Building			
26	19-2406041010305 National Bamboo Mission	5.07	0.00	25.00	25.00	25.00	25.00	25.00	25.00	Under this scheme, production of bamboo species, development of nurseries and publicity regarding bamboo-based products will be done.	Natural Resource Management Biodiversity and Ecological Conservation Sustainable Land Use and Planning			
										Programme Implementation Education and Awareness Training and Capacity Building Research and Development	SDG 2 SDG 13 SDG 15			

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		Scheme Objective		Environment Sustainability Relevance		
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate	FY 2024-25	FY 2024-25	FY 2024-25	FY 2024-25	FY 2024-25	FY 2024-25	
Category 'A' - Fully Dedicated (90-100%)												
Environment, Forest, and Climate Change Department												
27	19-2406041010301 National Forestry Programme	0.00	233.00	233.00	233.00	Through public cooperation, schemes related to improving the quality of forests and increasing the income of local communities and providing employment are implemented in the notified forests of the state.				Green Economy and Employment Biodiversity and Ecological Conservation		
28	19-2406021100224 Project Tiger	238.01	151.64	0.00	0.00	Work will be done for protection of tigers and their habitat in Valmiki Tiger Reserve.				SDG 8		
29	19-2406021100226 Project Elephant	15.70	5.66	0.00	0.00	Work will be carried out inside the forests to create a favourable environment for elephant habitat within the state.				SDG 13		
30	19-2406021100223 Integrated Wildlife Habitat Development	0.00	2233.00	1554.70	1554.70	Work will be done for the protection and conservation of wild animals.				SDG 15		
31	19-2406021100227 National Plan for Conservation of Aquatic Eco-systems									Programme Implementation Training and Capacity Building		
32	19-2406041010204 Integrated Forest Management	39.62	1224.00	817.00	817.00	Under this scheme, measures are taken for habitat management and conservation of aquatic plants and other organisms.				Natural Resource Management Biodiversity and Ecological Conservation		
										SDG 14		
										Programme Implementation Training and Capacity Building		
										Green Investment and Infrastructure		
										SDG 13		
										SDG 15		
										Programme Implementation		

Sl.	Budget Code and Identified Schemes	FY 2022-23	FY 2023-24	FY 2024-25	FY 2024-25	Green Budget Estimate	Scheme Objective	Environment Sustainability Relevance
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate				
Category 'A' - Fully Dedicated (90-100%)								
33	19-2406041010205 National Bamboo Mission	0.00	37.50	37.50	Under this scheme, production of bamboo species, development of nurseries and publicity regarding bamboo-based products will be done.	Natural Resource Management Biodiversity and Ecological Conservation Sustainable Land Use and Planning	SDG 2 SDG 13 SDG 15	
34	19-2406041010201 National Forestry Programme			350.00	350.00	Programme Implementation Education and Awareness Training and Capacity Building Research and Development	Green Economy and Employment Biodiversity and Ecological Conservation	SDG 8 SDG 13 SDG 15
35	19-2406010010001 Direction and Administration	1903.31	2321.81	2692.24	2692.24	Programme Implementation Training and Capacity Building	Green Economy and Employment	SDG 8
36	19-2406010030001 For Training, Public Relations and Research	711.23	701.26	691.80	691.80	Programme Implementation Technology and Infrastructure	Green Economy and Employment	SDG 8

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		FY 2024-25		Scheme Objective	Environment Sustainability Relevance			
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate									
Category 'A' - Fully Dedicated (90-100%)														
Environment, Forest, and Climate Change Department														
37	19-240601070001 Road and Bridge	395.33	400.00	480.00	480.00	Expenditure is spent on maintenance of 2050-kilometers of forest road.				Green Investment and Infrastructure				
38	19-240601070002 Building	413.93	420.00	480.00	480.00	Expenditure is spent on maintenance of 786-kilometer departmental buildings.				SDG 13 SDG 15				
39	19-2406011010001 Expansion and Protection of Forests	13610.71	17339.49	18862.51	18862.51	In this sub-head, expenditure on permanent nursery and its maintenance of 27 forest divisions from Bihar and salaries of permanent officials and employees of offices and employees employed on contract, field officers of forests, foresters, computer operators, vehicle drivers and cleaning labourers etc. payment is made. Apart from this, expenditure is incurred on office expenses, vehicle fuel and maintenance, telephone, electrical maintenance etc.				Programme Implementation Technology and Infrastructure				
40	19-2406011010002 Working Plan Division	113.71	155.47	135.34	135.34	In this sub-head, under the order of the Honourable Supreme Court, expenditure is made on work related to preparing Action plan for ten years for each forest division and salaries etc. of permanent officials and employees and contractual workers, computer operators, vehicle drivers and cleaning labourers etc. are paid.				Green Economy and Employment				
41	19-2406021100003 Sanctuary	1007.71	1385.45	1454.01	1454.01	In this sub-head, the salaries of permanent officials and employees in the offices and work related to the conservation of tigers of Valmiki Tiger Reserve Division -1 and 2 and the salaries of contractual employees, forest field officers, foresters, computer operators, vehicle drivers and cleaning labourers etc. payment is made.				SDG 8				

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		FY 2024-25		Scheme Objective	Environment Sustainability Relevance
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate						
Category 'A' - Fully Dedicated (90-100%)											
42	19-2406021110001 Other Parks	1954.78	2909.87	4495.68	4495.68	In this sub-head, in the 153 acres of Sanjay Gandhi Biological Park, Patna, Banana Garden, Mango Garden, Rose Garden, Medicinal Garden, Fern Garden, Orchid House, Road Side Hedge and two large Doo Grass Gardens are maintained. Apart from this, ticket window, operation of train, maintenance of train track, maintenance of nursery, fish house, water garden as well as cutting of grass in the entire park and daily cleaning works are being undertaken. The work of feeding 600 animals, providing fodder and cleaning the cages etc. is being done on a daily basis in 45 cages located inside the park. To beautify the garden, seasonal and annual fruit plants are planted as per requirement. Apart from this, wild animals like lion, etc. are currently in habitat in the Rajgir Zoo Safari. The work of security of the park is also done and expenditure on Rajgir Zoo Safari, feeding of animals of Nalanda etc. and salaries of permanent officials and personnel in both the offices and wildlife rescue team hired on contract and computer operators and vehicle drivers are part of this expenditure.		Natural Resource Management Green Economy and Employment SDG 15	Programme Implementation Technology and Infrastructure	Sustainable Land Use and Planning Green Economy and Employment SDG 8 SDG 9 SDG 15	Programme Implementation
43	19-3435041030001 Bihar State Environment Combat Authority	74.78	81.00	85.50	85.50	From this sub-head, environmental clearance of various types of projects like building construction, mining work etc. and salaries of officials and employees of Bihar State Environment Combat Authority are paid.					

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		FY 2024-25		Scheme Objective	Environment Sustainability Relevance			
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate	Budget Estimate	Green Budget Estimate	Budget Estimate	Green Budget Estimate					
Category 'A' - Fully Dedicated (90-100%)														
Environment, Forest, and Climate Change Department														
44	19-3435031020001 Bihar State Biodiversity Board	151.09	467.03	471.60	471.60	471.60	In this sub-head, the Biodiversity Management Committee is formed under the Biodiversity Act and the Public Biodiversity Register are to be created and the salaries of the officials and employees of Bihar State Biodiversity Board are paid.			Green Economy and Employment				
45	19-2406021100329 Project Tiger and Elephant	0.00	0.00	200.00	200.00	200.00	Work will be done for the protection and conservation of wild animals.			SDG 8				
46	19-2406021100328 Project Tiger and Elephant	0.00	215.66	50.00	50.00	50.00				SDG 15				
47	19-2406041010303 National Agro-forestry Project	0.00	0.00	33.20	33.20	33.20	To encourage rural farmers for afforestation.			Programme Implementation Training and Capacity Building				
48	19-2406021100228 Project Tiger and Elephant	0.00	0.00	600.00	600.00	600.00				Natural Resource Management Biodiversity and Ecological Conservation				
49	19-2406041010203 Project Tiger and Elephant	0.00	954.69	500.00	500.00	500.00	Work will be done towards protection and conservation of wild animals			SDG 15				

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		Green Budget Estimate	Scheme Objective	Environment Sustainability Relevance
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate	FY 2024-25				
Category 'A' - Fully Dedicated (90-100%)										
Environment, Forest, and Climate Change Department										
50	19-2406010030006 National Agro-forestry Project	0.00	0.00	49.80	49.80	To encourage rural farmers for afforestation.				Natural Resource Management Green Economy and Employment SDG 13 SDG 15
51	19-345100900006 Forestry College, Munger	0.00	1850.20	2610.56	2610.56	Grants for education and training.				Natural Resource Management SDG 4 SDG 5
52	19-345100900006 Environment and Forest Department	574.23	851.05	1061.55	1061.55	Headquarters salary etc.				Programme Implementation Training and Capacity Building Green Economy and Employment SDG 8
		Total	51875.46	81164.60	85302.79	85302.79				Programme Implementation
Public Health Engineering Department										
1	36-4215011020103 Capital Outlay on Water Supply and Sanitation	1709.55	4200.00	3338.00	3338.00					Natural Resource Management Green Investment and Infrastructure SDG 6
2	36-4215017890111 Capital Outlay on Water Supply and Sanitation	353.32	800.00	1662.00	1662.00	Renovation and soakaway construction work of wells				Programme Implementation Technology and Infrastructure
3	36-4215017960107 Capital Outlay on Water Supply and Sanitation	36.63	0.00	0.00	0.00					
		Total	2099.50	5000.00	5000.00	5000.00				

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		FY 2024-25		Scheme Objective	Environment Sustainability Relevance			
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate									
Category 'A' - Fully Dedicated (90-100%)														
Energy Department														
1	10-6801002010101 Bihar State Hydroelectric Power Corporation (Hydroelectric power generation)	0.00	2000.00	2000.00	2000.00	2000.00	2000.00	2000.00	2000.00	Completion of hydropower projects will promote green energy, increase carbon credits, reduce pollution and have a positive impact on the environment.	Green Investment and Infrastructure Climate Change Mitigation and Adaptation			
2	10-2810001040101 Unconventional Energy Source	4250.00	5000.00	10000.00	10000.00	10000.00	10000.00	10000.00	10000.00	Green energy will be promoted, carbon credit will increase and pollution will reduce, which will result in a positive impact on the environment. With this, energy dependence on the grid can be reduced. It will also be helpful in achieving the GDP target set by the Government of India.	SDG 6 SDG 7 SDG 9 SDG 12			
3	10-4810001900102 Project of Bihar State Power Generation Co. Ltd.	0.00	0.00	15000.00	15000.00	15000.00	15000.00	15000.00	15000.00	Installation of Solar Energy and Battery Energy Storage System Project at Kajira (Lakhisarai) will be environment friendly, will also promote Jal-Jeevan-Hariyali campaign, apart from this, along with the renewable purchase obligation prescribed for the states, energy storage will also be implemented to a great extent. Can be completed and will also be helpful in the industrialization of the state.	Programme Implementation Subsidies Investment Technology and Infrastructure Research and Development			
	Total	4250.00	7000.00	27000.00	27000.00	27000.00	27000.00	27000.00	27000.00					
Health Department														
Natural Resource Management														
1	20-4210011100118 Jal-Jeevan-Hariyali Abhiyan	76.69	500.00	350.00	350.00	350.00	350.00	350.00	350.00	Rainwater harvesting and green structure.	SDG 6			
	Total	76.69	500.00	350.00	350.00	350.00	350.00	350.00	350.00		Programme Implementation			

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		Scheme Objective	Environment Sustainability Relevance			
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate	FY 2024-25						
Category 'A' - Fully Dedicated (90-100%)												
Rural Development Department												
1	42-2215021050104 Lohiya Swachh Abhiyan-2	0.00	0.00	117156.00	70495.00	70495.00	4000.00					
2	42-2215021050202 Lohiya Swachh Abhiyan-2	63754.45							Under the second phase of Swachh Bharat Mission (Rural), the State government has taken the resolution of 'Clean Village-Prosperous Village'. Under this, it is targeted to make all the Gram Panchayats of the state ODF-Plus' by implementing solid and liquid Sanitation and Waste Management in a phased manner while maintaining sustainability of Open-Defecation Free (ODF).			
3	42&2215021050302 Lohiya Swachh Abhiyan-2	33366.52	37700.00		23400.00	23400.00			SDG 6			
4	42-2215027890204 Lohiya Swachh Abhiyan-2	16239.82	30040.00		18075.00	18075.00			Programme Implementation Education and Awareness			
5	42-2215027890304 Lohiya Swachh Abhiyan-2	9899.28	9650.00		6000.00	6000.00						
6	42-2215027960206 Lohiya Swachh Abhiyan-2	908.86	3004.00		1808.00	1808.00						
7	42-2215027960306 Lohiya Swachh Abhiyan-2	605.91	950.00		600.00	600.00						
8	42-2515000010110 Jal-Jeevan-Hariyali Abhiyan	170.00	1071.00		1000.00	1000.00			Natural Resource Management			
9	42-2220601010101 Jal-Jeevan-Hariyali Abhiyan Awareness	0.00	100.00		79.00	79.00			SDG 6 SDG 13 SDG 15			
		Total	124944.84	199671.00	125457.00	125457.00						
Transport Department												
1	47-305501900104 Bihar Clean Fuel Scheme	16.40	2500.00						Green Investment and Infrastructure Air and Water Pollution Abatement			
		Total	16.40	2500.00	1500.00	1500.00			SDG 11 SDG 13			
									Programme Implementation Subsidies Investment Technology and Infrastructure			

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		Scheme Objective	Environment Sustainability Relevance			
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate	FY 2024-25						
Category 'A' - Fully Dedicated (90-100%)												
Minor Water Resources Department												
1	50-470201010106 Har Khet Tak Sinchae ka Pani	11011.62	28220.00	28560.00	28560.00							
2	50-4702007890106 Har Khet Tak Sinchae ka Pani	1788.73	5440.00	5440.00	5440.00							
3	50-4702007960107 Har Khet Tak Sinchae ka Pani	53.43	340.00	0.00	0.00							
4	50-4702001020102 Surface Water Scheme	2457.38	1660.00	840.00	840.00							
5	50-4702007890104 Surface Water Scheme	389.76	320.00	160.00	160.00							
6	50-4702007960105 Surface Water Scheme	17.93	20.00	0.00	0.00							
7	50-470201020107 Jal-Jeevan-Hariyali Abhiyan	24157.98	23240.00	24360.00	24360.00							
8	50-4702007890105 Jal-Jeevan-Hariyali Abhiyan	3969.52	4480.00	4640.00	4640.00							
9	50-4702007960106 Jal-Jeevan-Hariyali Abhiyan	135.97	280.00	0.00	0.00							
10	50-470201010205 Pradhan Mantri Krishi Suraksha Yojana	730.89	8300.00	8400.00	8400.00							
11	50-4702007890205 Pradhan Mantri Krishi Suraksha Yojana	137.96	1600.00	1600.00	1600.00							
12	50-4702007960206 Pradhan Mantri Krishi Suraksha Yojana	8.62	100.00	0.00	0.00							
13	50-470201010305 Pradhan Mantri Krishi Suraksha Yojana	477.46	2766.39	2100.00	2100.00							

Natural Resource Management
Green Investment and Infrastructure

SDG 2
SDG 6

Programme Implementation
Technology and Infrastructure

Water conservation/ groundwater recharge,
protection from soil erosion work will be
carried out. The allocated funds are to be
spent on renovation work of surface schemes
and revival of Ahar/Pynes/dam/ponds.

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		Scheme Objective	Environment Sustainability Relevance			
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate	FY 2024-25						
Category 'A' - Fully Dedicated (90-100%)												
Minor Water Resources Department												
14	50-4702007890305 Pradhan Mantri Krishi Suraksha Yojana	91.97	533.28	400.00	400.00				Natural Resource Management Green Investment and Infrastructure ----- SDG 2 SDG 6			
15	50-4702007960306 Pradhan Mantri Krishi Suraksha Yojana	7.23	33.33						----- Programme Implementation Technology and Infrastructure			
16	50-4702001010101 Surface Water Scheme	510.39	1245.00	1680.00	1680.00				Water conservation/ ground water recharge, protection from soil erosion work will be carried out. The allocated funds are to be spent on renovation work of surface schemes and revival of Ahar/Pynes/dam/ponds.			
17	50-4702007890101 Surface Water Scheme	75.96	240.00	320.00	320.00							
	Total	46022.80	78818.00	78500.00	78500.00							
Urban Development and Housing Department												
1	48-2217030510201 Har Ghar Shauchalaya Nirman, Ghar ka Samman Yojana (SBM)	858.00	48198.00	0.00					Sanitation and Waste Management Air and Water Pollution Abatement ----- SDG 6 SDG 11			
2	48-2217030510301 Har Ghar Shauchalaya Nirman, Ghar ka Samman Yojana (SBM)	572.00	10000.00	0.00								
3	48-2215021050101 Solid and Liquid Sanitation and Waste Management (Saat Nishchay-2)	0.00	412100.00	1000.00	1000.00				Subsidies Programme Implementation Education and Awareness			
4	48-2215027890104 Solid and Liquid Sanitation and Waste Management (Saat Nishchay-2)	0.00	199.97	1000.00	1000.00				Under this, the construction of toilets and solid Sanitation and Waste Management is done in urban areas. This scheme is helpful in keeping the environment clean and pollution free in urban areas.			
5	48-2215027960106 Solid and Liquid Sanitation and Waste Management (Saat Nishchay-2)	0.00	100.00	1000.00	1000.00							

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		Scheme Objective	Environment Sustainability Relevance
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate	Category 'A' - Fully Dedicated (90-100%)			
Urban Development and Housing Department									
6	48-2217030510212 Swachh Bharat Mission-2.0	0.00	0.00	1516.00	1516.00				Sanitation and Waste Management Air and Water Pollution Abatement
7	48-2217030510309 Swachh Bharat Mission-2.0	0.00	0.00	1500.00	1500.00				SDG 6 SDG 11
8	48-2217030510213 Swachh Bharat Mission-2.0	0.00	0.00	13644.00	13644.00				Subsidies Programme Implementation Education and Awareness
9	48-2217030510310 Swachh Bharat Mission-2.0	0.00	0.00	9000.00	9000.00				
10	48-2217030510214 Swachh Bharat Mission-2.0	0.00	0.00	26660.00	26660.00				Under this, the construction of toilets and solid Sanitation and Waste Management is done in urban areas. This scheme is helpful in keeping the environment clean and pollution free in urban areas.
11	48-2217030510311 Swachh Bharat Mission-2.0	0.00	0.00	10000.00	10000.00				
12	48-2217030510215 Swachh Bharat Mission-2.0	0.00	0.00	4246.00	4246.00				
13	48-2217030510312 Swachh Bharat Mission-2.0	0.00	0.00	1000.00	1000.00				
14	48-2217030510216 Swachh Bharat Mission-2.0	0.00	0.00	2132.00	2132.00				
15	48-2217030510313 Swachh Bharat Mission-2.0	0.00	0.00	1000.00	1000.00				
		Total	1430.00	470597.97	73698.00	73698.00			

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		FY 2024-25		Scheme Objective	Environment Sustainability Relevance			
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate									
Category 'A' - Fully Dedicated (90-100%)														
Building Construction Department														
1	03-2059800530013 Maintenance and Restoration of Residential/ Non-residential Parks/ Gardens	602.66	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	Maintenance and renovation of parks to keep the levels of carbon emission and pollution in check.	Natural Resource Management SDG 15			
2	03-4406010510101 Forestry College	3452.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Maintaining environment protection, carbon emission level and pollution level through expansion of green belt etc.	Programme Implementation Natural Resource Management Green Economy and Employment SDG 15			
3	03-4406010510102 Dolphin Research Centre	177.45	1548.49	0.00	0.00	0.00	0.00	0.00	0.00	Conservation and promotion of dolphin species.	Technology and Infrastructure Education and Awareness Training and Capacity Building Biodiversity and Ecological Conservation SDG 15			
		Total	4232.67	2548.49	1000.00	1000.00	1000.00	1000.00	1000.00					
Agriculture Department														
1	01-2401001090122 Fasal Krishii Karm	8300.00	2358.00	2356.80	2356.80	2356.80	2356.80	2356.80	2356.80		Sustainable Land Use and Planning SDG 2			
2	01-2401007890152 Fasal Krishii Karm	1600.00	600.00	600.00	600.00	600.00	600.00	600.00	600.00	To ensure availability of water to every field for irrigation.	SDG 6			
3	01-2401007960174 Fasal Krishii Karm	85.26	42.00	43.20	43.20	43.20	43.20	43.20	43.20		Subsidies Investment Programme Implementation Technology and Infrastructure			
		Total	9985.26	3000.00	3000.00	3000.00	3000.00	3000.00	3000.00					

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		Scheme Objective	Environment Sustainability Relevance			
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate							
Category 'A' - Fully Dedicated (90-100%)												
Animal and Fisheries Resources Department												
1	02-2404000030101 Training	251.62	340.00				Expenditure on training.		Green Economy and Employment SDG 2 SDG 6 Education and Awareness Training and Capacity Building			
	Total	251.62	340.00	0.00	0.00							
Sugarcane Industries Department												
1	45-2401001080109 Ikh Vikash Mukhya Mantri Ganna Vikas Karyakram	1377.60	3320.00	3109.52	3109.52			Natural Resource Management Sustainable Land Use and Planning Green Investment and Infrastructure				
2	45-2401007890108 Ikh Vikash/Mukhya Mantri Ganna Vikas Karyakram	56.30	640.00	601.60	601.60			SDG 2 SDG 6 Programme Implementation Education and Awareness Research and Development				
3	45-2401007960129 Ikh Vikash Mukhya Mantri Ganna Vikas Karyakram	10.93	40.00	48.88	48.88			Natural Resource Management Green Investment and Infrastructure				
4	45-2852082010103 Financial Assistance to Sugar Mills	0.00	4980.00					SDG 2 Subsidies Investment Programme Implementation Technology and Infrastructure				
5	45-2852087890101 Financial Assistance to Sugar Mills	0.00	960.00									
6	45-2852087960102 Financial Assistance to Sugar Mills	0.00	60.00									
	Total	1444.83	10000.00	3760.00	3760.00							

Sl.	Budget Code and Identified Schemes	FY 2022-23	FY 2023-24	FY 2024-25	FY 2024-25	Scheme Objective	Environment Sustainability Relevance			
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate					
Category 'A' - Fully Dedicated (90-100%)										
Panchayati Raj Department										
1	16-251500196009 (Tied)	15th Finance Commission 34578.00	34956.00	37026.00	37026.00	100 percent of the amount of the Tied Grant will be spent on cleanliness and open-defecation free work, rainwater harvesting, renovation of public well, construction of check dam/ahar/pond for increasing irrigation capacity and renovation of water storage structures of 1-3 hectares, etc. This will help in making the environment clean.	Natural Resource Management Green Investment and Infrastructure SDG 6 SDG 11 SDG 13 SDG 15 Programme Implementation Investment			
2	16-2515001970006 (Tied)	15th Finance Commission 34659.32	34964.72	37026.00	37026.00					
3	16-2515001980016 (Tied)	15th Finance Commission 161400.04	163128.00	172788.00	172788.00					
	Total	230637.36	233048.72	246840.00	246840.00					
	Total Green Contribution of 100 percent significance	477267.43	1094188.78	651407.79	651407.79					
Category 'B' - Very High Significance (75-90%)										
Urban Development and Housing Department										
1	48-2215011910106 Jal-Jeevan-Hariyali Abhiyan	180.00	3330.00	300.00	270.00	Under this Abhiyan, renovation work of ponds, ponds and wells is done in urban areas. This scheme is helpful in maintaining balanced environment in urban areas and preserving groundwater resource.	Natural Resource Management Green Investment and Infrastructure SDG 6 SDG 11 Programme Implementation Technology and Infrastructure			
2	48-2215011920103 Jal-Jeevan-Hariyali Abhiyan	274.50	1980.00	300.00	270.00					
3	48-2215011930102 Jal-Jeevan-Hariyali Abhiyan	346.50	1080.00	300.00	270.00					
4	48-2217011910124 Special Sanitation Subsidy	1377.03	1600.00	1944.00	1555.20	Under this scheme, work related to cleanliness and door-to-door garbage collection is done in urban areas. This scheme is helpful in keeping the environment clean and pollution free in urban areas.	Sanitation and Waste Management Air and Water Pollution Abatement SDG 6 Subsidies Programme Implementation			
5	48-2217031920114 Special Sanitation Subsidy	48.00	400.00	440.00	352.00					
6	48-2217031930113 Special Sanitation Subsidy	0.00	400.00	616.00	492.00					
	Total	2226.03	8495.88	3900.00	3209.20					

Sl.	Budget Code and Identified Schemes	FY 2022-23	FY 2023-24	FY 2024-25	FY 2024-25	Green Budget Estimate	Scheme Objective	Environment Sustainability Relevance			
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate						
Category 'B' - Very High Significance (75-90%)											
Agriculture Department											
1	01-2401001040205 Traditional Farming Development Scheme	85.48	0.00	982.24	845.00			Climate Change Mitigation and Adaptation Sustainable Land Use and Planning SDG 2			
2	01-2401001040305 Traditional Farming Development Scheme	56.99	0.00	228.23	196.00			Investment Programme Implementation Education and Awareness Training and Capacity Building			
3	01-2401007890341 Traditional Farming Development Scheme	10.30	0.00	58.12	50.00			Natural Resource Management Sustainable Land Use and Planning Green Economy and Employment SDG 2 SDG 15			
4	01-2401007960363 Traditional Farming Development Scheme	0.00	0.00	4.15	3.73			Programme Implementation			
5	01-2401007960231 Rashtriya Krishi Vikas Yojana (RKVY) (ACA)	0.52	403.75	126.39	95.00			Natural Resource Management Green Investment and Infrastructure SDG 6 SDG 15			
6	01-240201020313 Integrated Watershed Management Programme (IWMP)	4652.00	1469.00	2278.30	1709.00			Programme Implementation Technology and Infrastructure			
7	01-z6 Organic Farming Under Participatory Reimbursement System Method	15.43	0.00	249.88	215.00			Climate Change Mitigation and Adaptation Sustainable Land Use and Planning SDG 2			
8	01-2401007960263 Organic Farming Under Participatory Reimbursement System Method	0.00	0.00	17.88	15.00			Subsidies Programme Implementation Education and Awareness Training and Capacity Building			

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		Scheme Objective		Environment Sustainability Relevance		
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate	FY 2024-25	FY 2024-25	FY 2024-25	FY 2024-25	FY 2024-25	FY 2024-25	
Category 'B' - Very High Significance (75-90%)												
Agriculture Department												
9	01-2401001090216 Rashtriya Krishi Vikas Yojana (RKVV) (ACA)	176.54	0.00	7025.93	5269.00					Natural Resource Management	Climate Change Mitigation and Adaptation	
10	01-2401001090316 Rashtriya Krishi Vikas Yojana (RKVV) (ACA)	136.64	3484.02	1532.64	1149.00					SDG 2		
11	01-2401007890303 Rashtriya Krishi Vikas Yojana (RKVV) (ACA)	47.81	1838.52	491.57	369.00					Programme Implementation	Education and Awareness Subsidies	
12	01-2402007890302 Soil and Water Conservation	897.00	0.00	577.76	433.00					SDG 6		
13	01-2401007890126 Promotion of Organic Farming	0.00								SDG 15		
14	01-2402007960309 Soil and Water Conservation	0.00	41.44	31.00						Programme Implementation	Technology and Infrastructure Training and Capacity Building	
15	01-2401007960358 Soil and Water Conservation	0.00	1.25	1.00								
16	01-2401007890203 Rashtriya Krishi Vikas Yojana (RKVV) (ACA)	0.00	1686.43	1265.00						Green Investment and Infrastructure	Climate Change Mitigation and Adaptation	
17	01-2401007960331 Rashtriya Krishi Vikas Yojana (RKVV) (ACA)	0.00	29.41	22.00						SDG 2		
	Total	6078.71	7195.29	15331.62	11667.73					SDG 15		

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		FY 2024-25		Scheme Objective	Environment Sustainability Relevance																																																																																								
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		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate	FY 2024-25			
Category 'C' - High Significance (50-75%)									
Rural Development Department									
3	42-2501061010207 Mahila Kisan SashaktikaranParivojana (MKSP) (NRLM)	0.00	0.00	98.00	73.50				Natural Resources Management Green Economy and Employment
4	42-2501061010307 Mahila Kisan SashaktikaranParivojana (MKSP) (NRLM)	0.00	0.00	66.00	49.50				SDG 5 SDG 8 SDG 15
5	42-2501067890206 Mahila Kisan SashaktikaranParivojana (MKSP) (NRLM)	0.00	0.00	20.00	15.00				This Scheme has been launched by the Ministry of Rural Development as part of the National Farmers Policy, for women farmers. The Central government provides 60 percent funding for this program. Its main objective is to increase participation of women in agriculture, and enhance self- employment opportunities in agriculture for women farmers.
6	42-2501067890306 Mahila Kisan SashaktikaranParivojana (MKSP) (NRLM)	0.00	0.00	12.00	9.00				Programme Implementation
7	42-2501067960206 Mahila Kisan SashaktikaranParivojana (MKSP) (NRLM)	0.00	0.00	2.00	1.50				
8	42-2501067960306 Mahila Kisan SashaktikaranParivojana (MKSP) (NRLM)	0.00	0.00	2.00	1.50				
		Total	102001.48	285593.25	441441.00	286956.65			

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		Scheme Objective		Environment Sustainability Relevance		
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate	FY 2024-25	FY 2024-25	Category 'C' - High Significance (50-75%)				
Agriculture Department												
Category 'C' - High Significance (50-75%)												
1	01-2401007890323 National Food Security Mission (NFSM)	143.41		259.74	130.00	Crop identification, paddy cultivation using SRI method, wheat cultivation using zero tillage, paddy transplantation using paddy transplanter.		Natural Resource Management Sustainable Land Use and Planning Green Economy and Employment				
2	01-2401001050106 Promotion of Organic Farming	5939.00	6801.42	5499.20	3849.00			Subsidies Programme Implementation Education and Awareness				
3	01-2401007890126 Promotion of Organic Farming	1002.32	1709.73	1400.00	980.00	Production of organic food crops		Climate Change Mitigation and Adaptation Sustainable Land Use and Planning				
4	01-2401007960148 Promotion of Organic Farming	53.74	109.00	100.80	71.00			SDG 2 Subsidies Programme Implementation Education and Awareness				
5	01-2401001050207 National Mission for Sustainable Agriculture (NMSA)	140.56	0.00	295.01	186.00			Training and Capacity Building				
6	01-2401007890238 National Mission for Sustainable Agriculture (NMSA)	19.29	0.00	74.63	47.00			Green Investment and Infrastructure Climate Change Mitigation and Adaptation				
7	01-2401007960258 National Mission for Sustainable Agriculture (NMSA)	1.07	0.00	5.36	3.00			SDG 2 Subsidies Programme Implementation Education and Awareness				
8	01-2401001050307 National Mission for Sustainable Agriculture (NMSA)	0.00	0.00			Necessary agricultural activities for adopting crop, horticulture and livestock-based farming system in 17 rainfed districts will be carried out.						

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		Scheme Objective	Environment Sustainability Relevance			
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate	FY 2024-25						
Category 'C' - High Significance (50-75%)												
Agriculture Department												
9	01-2401007890338 National Mission for Sustainable Agriculture (NMSA)	14.28	0.00	17.37	11.00	Necessary agricultural activities for adopting crop, horticulture and livestock-based farming system in 17 rainfed districts will be carried out.		Green Investment and Infrastructure Climate Change Mitigation and Adaptation				
10	01-2401007960358 National Mission for Sustainable Agriculture (NMSA)	0.84	0.00					SDG 2				
11	01-24010101090216 Rashtriya Krishi Vikas Yojana (RKVY) (ACA)		0.00					Programme Implementation Education and Awareness				
12	01-2401007890203 Rashtriya Krishi Vikas Yojana (RKVY) (ACA)	1805.99	3882.26					Subsidies				
13	01-2401007890303 Rashtriya Krishi Vikas Yojana (RKVY) (ACA)		0.00					SDG 2				
14	01-2401007960331 Rashtriya Krishi Vikas Yojana (RKVY) (ACA)	0.23	75.48					Programme Implementation Education and Awareness				
15	01-2402001020112 Land Conservation Work	2672.00	3301.00	4713.60	3300.00	Concrete check dam, silt check dam, renovation of Ahar, embankment, statue guard trench and plantation etc. The aim is to increase production/productivity by preventing soil erosion, by doing watershed development and conservation of natural resources in rain-dependent areas, by providing land conservation and irrigation facilities.		Natural Resource Management				
16	01-2402007890101 Land Conservation Work	515.00	840.00	1200.00	840.00			Green Investment and Infrastructure				
17	01-2402007960108 Land Conservation Work	32.00	59.00	86.40	60.00			SDG 6				
18	01-2402001020213 Integrated Watershed Management Programme (IWMP)	6513.00	4359.00	9806.76	6865.00	Concrete check dam, silt check dam, renovation of Ahar, embankment, statue guard trench and plantation etc.		SDG 15				
19	01-2402007890202 Integrated Watershed Management Programme (IWMP)	1256.00	1109.00	2482.24	1738.00			Programme Implementation Technology and Infrastructure				

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		Scheme Objective	Environment Sustainability Relevance
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate	Category 'C' - High Significance (50-75%)	Category 'C' - High Significance (50-75%)		
Agriculture Department									
20	01-2402007960209 Integrated Watershed Management Programme (IWMP)	78.00	78.00	178.28	125.00	Concrete check dam, silt check dam, renovation of Ahar, embankment, statue guard trench and plantation etc.	Area expansion of horticultural fruits, one-year and multi-year, drip irrigation	Natural Resource Management Green Investment and Infrastructure	SDG 6 SDG 15
21	01-2402007890302 Integrated Watershed Management Programme (IWMP)	0.00	0.00					Programme Implementation Technology and Infrastructure	
22	01-2402007960309 Integrated Watershed Management Programme (IWMP)	56.00	26.00						
23	01-2401001190324 National Horticulture Mission (NHM)	553.33	982.35	691.99	346.00				
24	01-2401007890335 National Horticulture Mission (NHM)	106.66	250.00	175.29	88.00			Sustainable Land Use and Planning	SDG 2
25	01-2401007960357 National Horticulture Mission (NHM)	6.66	17.50					Subsidies	
26	01-2401001190224 National Horticulture Mission (NHM)	830.00	2358.00	2979.63	1490.00			Programme Implementation Education and Awareness	
27	01-2401007890235 National Horticulture Mission (NHM)	160.00	600.00	753.71	377.00				
28	01-2401007960257 National Horticulture Mission (NHM)	10.00	42.00	54.16	27.00				
	Total	21909.38	26599.73	30774.17	20533.00				

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		Scheme Objective	Environment Sustainability Relevance			
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate	FY 2024-25						
Category 'C' - High Significance (50-75%)												
Animal and Fisheries Resources Department												
1	02-2405001010104 Development and Rejuvenation of Pond Fisheries	4819.28	5843.19	7242.19	5431.64			Green Investment and Infrastructure				
2	02-2405001010117 Fisheries Resources (Saat Nishchay-2)	4167.97	5620.88	7494.00	5620.50			SDG 2 SDG 6 SDG 14				
3	02-2405007890102 Fisheries Resources (Saat Nishchay-2)	842.11	1500.00	2000.00	1500.00			Programme Implementation Technology and Infrastructure				
4	02-2405007960110 Fisheries Resources (Saat Nishchay-2)	42.86	379.13	506.00	379.50			SDG 2 SDG 6 SDG 14				
5	02-2405007890101 Chief Minister Pond Statistics Development Assistance to fishermen	0.00	2052.75	2563.00	1922.25			Subsidies Programme Implementation Education and Awareness Training and Capacity Building Research and Development				
6	02-2405007960109 Chief Minister Pond Statistics Development Assistance to fishermen	0.00	518.80	648.44	486.33			SDG 2 SDG 6 SDG 14				
	Total	9872.22	15914.74	20453.63	15340.22			Subsidies Programme Implementation Education and Awareness Training and Capacity Building				

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		Scheme Objective		Environment Sustainability Relevance
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate	FY 2024-25	FY 2024-25	Category 'C' - High Significance (50-75%)		
Education Department										
1	21-4202012010106 Jal-Jeevan-Hariyali Abhiyan	0.00	75.00	0.00				Water harvesting has been constructed in the schools identified under primary and middle schools of the state at the rate of only Rs 80,000 (Eighty thousand rupees) per school. There are also plans for construction work for water harvesting and other purposes.	Natural Resource Management Climate Change Mitigation and Adaptation	SDG 6
2	21-4202012020115 Jal-Jeevan-Hariyali Abhiyan	0.00	375.00	0.00				In the schools identified under Higher Secondary School, water harvesting has been constructed at the rate of Rs 80,000 (Eighty thousand rupees) only per school. There are also plans for construction work for water harvesting and other purposes.	Programme Implementation Technology and Infrastructure	
	Total	0.00	450.00							
Transport Department										
1	47-305501900102 Bihar Rajya Path Parivahan Nigam	0.00	4000.00	11600.00	8700.00			Grant for purchase of new CNG buses by Bihar State Road Transport Corporation.	Green Investment and Infrastructure Air and Water Pollution Abatement	SDG 11 SDG 13
	Total	0.00	4000.00							

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		FY 2024-25		Scheme Objective	Environment Sustainability Relevance
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate						
Category 'C' - High Significance (50-75%)											
Department of Industries											
1	23-2851001070101 Silk Development Scheme			400.00		274.00				To strengthen their economic condition and create self-employment by planting tasar and Castor plants by regional insect farmers.	Green Economy and Employment Sustainable Land Use and Planning SDG 2
2	23-2852801020160 Industrial Promotion Policy	0.00		49753.00		34080.80				To provide assistance in the form of subsidy in setting up ethanol production plants under the Industrial Promotion Policy so that air pollution can be reduced by promoting ethanol as an alternative to fuel in the state.	SDG 6 SDG 15 Subsidies Programme Implementation Technology and Infrastructure Training and Capacity Building
		Total	0.00	0.00	50153.00	34354.80					
Panchayati Raj Department											
1	16-2515001980115 Saat Nishchay Solar Street Light	0.00	0.00	12695.04		9521.00				Under the program of Good Governance (2020-25), under the Seven Nishchay-2 program of "Self-reliant Bihar", there is a plan to install 10 solar street lights in each ward of all Gram Panchayats under the "Clean Village – Prosperous Village". In the list selected by the Ward Implementation and Management Committee, solar street lights are to be installed on a priority basis in sport venues, health centres and public places, whose maintenance for five years will be the responsibility of the installing agency.	Green Investment and Infrastructure SDG 7 SDG 11 SDG 13
2	16-2515007890115 Saat Nishchay Solar Street Light	0.00	0.00	14162.96		10622.00					
3	16-2515007960120 Saat Nishchay Solar Street Light	0.00	0.00	742.00		556.00					
		Total	0.00	0.00	13437.04	10077.00					
		Total budget contribution in 50 to 75 percent category	133783.08	332557.72	567858.84	375961.67					

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		Scheme Objective		Environment Sustainability Relevance		
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate	FY 2024-25	FY 2024-25	FY 2024-25	FY 2024-25	FY 2024-25	FY 2024-25	
Category 'D' - Medium Significance (25-50%)												
Urban Development and Housing Department												
1	48-2215021910102 Sewerage Construction, Sewerage and Other Sanitation Plans	0.00	60.00	1312.00	393.00							
2	48-2215021920102 Sewerage Construction, Sewerage and Other Sanitation Plans	0.00	60.00	100.00	30.00							
3	48-2215021930102 Sewerage Construction, Sewerage and Other Sanitation Plans	0.00	60.00	100.00	30.00							
4	48-2215027890101 Sewerage Construction, Sewerage and Other Sanitation Plans	2574.06	5550.00	2000.00	600.00							
5	48-2215021070101 Storm Water Drainage System	0.00	5277.59	15000.00	4500.00							
6	48-2215027890103 Storm Water Drainage System	0.00	4764.91	11500.00	3450.00							
7	48-2215027960105 Storm Water Drainage System	0.00	637.50	3500.00	1050.00							
8	48-2217011910109 Civil Amenities Assistance Subsidies in Urban Areas	59.32	2250.00	500.00	150.00							
9	48-2217011910116 Civil Amenities Assistance Subsidies in Urban Areas	79.50	900.00	500.00	150.00							
10	48-2217031920105 Civil Amenities Assistance Subsidies in Urban Areas	156.56	900.00	500.00	150.00							
11	48-2217031930104 Civil Amenities Assistance Subsidies in Urban Areas	69.53	750.00	500.00	150.00							

Sl.	Budget Code and Identified Schemes	Category 'D' - Medium Significance (25-50%)				Environment Sustainability Relevance
		FY 2022-23	FY 2023-24	FY 2024-25	FY 2024-25	
	Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate	Scheme Objective	
Urban Development and Housing Department						
12	48-5075601900101 Patna Metro Rail	47950.00	21500.00	5000.00	2500.00	Under this scheme, there will be easy and pollution-free transportation facilities in urban areas and the pressure on traffic will be eased which is helpful in keeping the environment clean and pollution-free in urban areas. Investment Programme Implementation Technology and Infrastructure
13	48-2217010510102 Creation of Moksha Dham (Saat Nishchay -2)	0.00	0.00	0.01	0.00	Under this scheme, electric/traditional crematorium is to be constructed for cremation, through which the dead bodies will be cremated in a scientific manner. This will help in reducing environmental pollution. Sanitation and Waste Management Air and Water Pollution Abatement
14	48-2217030510102 Creation of Moksha Dham (Saat Nishchay -2)	0.00	4800.00	4999.99	1999.99	SDG 11 Programme Implementation Technology and Infrastructure
15	48-5075600500101 Patna Metro Rail	0.00	1000.00	500.00		Climate Change Mitigation and Adaptation Green Investment and Infrastructure
16	48-7075601900101 Patna Metro Rail	0.00	2000.00	1000.00		SDG 9 SDG 11 SDG 15 Investment Programme Implementation Technology and Infrastructure
		Total	50888.97	47510.00	48512.00	16652.99

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		FY 2024-25		Scheme Objective	Environment Sustainability Relevance			
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate									
Category 'D' - Medium Significance (25-50%)														
Agriculture Department														
1	01-2401001040106 Promotion of Innovation in Agriculture	2801.00	3966.04	9034.40	4065.00					Sustainable Land Use and Planning				
2	01-2401007890147 Promotion of Innovation in Agriculture	540.00	1009.19	2300.00	1035.00	Jal-Jeevan-Hariyali Abhiyan-Promotion of farming related to climate change				SDG 2 SDG 6 SDG 15 Programme Implementation Technology and Infrastructure				
3	01-2401007960169 Promotion of Innovation in Agriculture	34.00	70.71	165.60	75.00									
4	01-2401001190101 Udhayan Vikas Yojana	6450.00	11012.00	23568.00	11784.00	Area expansion of horticultural fruits, one-year old and multi-year old, promotion of new vegetable seeds, area development of aromatic plants - Mentha and Lemongrass, drumstick seed distribution, expansion of Makhana area in Chaur, rooftop garden.				Sustainable Land Use and Planning				
5	01-2401007890130 Udhayan Vikas Yojana	1243.00	2804.00	6000.00	3000.00					SDG 2 SDG 15 Programme Implementation				
6	01-2401007960152 Udhayan Vikas Yojana	78.00	196.00	432.00	216.00									
7	01-2401001020201 Krishnottai Yojana (Oilseeds+NFSM)	1727.96	2987.00	3886.21	1943.00									
8	01-2401007890237 National Food Security Mission (NFSM)	249.53	760.00	1071.26	536.00									
9	01-2401007960259 National Food Security Mission (NFSM)	10.01	53.00	71.92	36.00	Its main objective is to provide food and nutritional security by providing all the necessary components such as seed distribution, training, etc. to increase the production and productivity of paddy, wheat, pulses, jute, sugarcane crops and oilseeds.				Sustainable Land Use and Planning Green Economy and Employment				
10	01-2401001020301 Krishnottai Yojana (Oilseeds+NFSM)	850.66	1769.00	893.27	447.00					SDG 2 SDG 15 Subsidies Programme Implementation Education and Awareness Training and Capacity Building				
11	01-2401007890323 National Food Security Mission (NFSM)		450.00											
12	01-2401007960359 National Food Security Mission (NFSM)	6.67	32.00	16.72	8.00									
13	01-2401001030218 Sub-Mission on Seeds and Planting Material (SMSM)		0.00	687.84	172.00					Climate Change Mitigation and Adaptation SDG 2 Programme Implementation Training and Capacity Building				

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		FY 2024-25		Scheme Objective		Environment Sustainability Relevance		
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate	Green Budget Estimate	Green Budget Estimate	Green Budget Estimate	Green Budget Estimate	Green Budget Estimate	Green Budget Estimate	Green Budget Estimate	Green Budget Estimate	
Category 'D' - Medium Significance (25-50%)														
Agriculture Department														
14	01-2401001090218 Pradhan Mantri Krishi Sinchaae Yojana (PMKSY)	788.50	0.00	2653.43	1194.00	Construction of various types of structures related to land and water conservation, plantation, training, formation of self-help groups, programs and production systems for landless farmers. Scheme for sprinkler/drip irrigation.		Sustainable Land Use and Planning Green Investment and Infrastructure Green Economy and Employment		SDG 2 SDG 6 SDG 15		Subsidies Programme Implementation Training and Capacity Building Technology and Infrastructure		
15	01-2401007960261 Pradhan Mantri Krishi Sinchaae Yojana (PMKSY)	9.50	0.00	48.26	22.00									
16	01-2401001090318 Pradhan Mantri Krishi Sinchaae Yojana (PMKSY)	525.39	0.00	616.44	277.00									
17	01-2401007890249 Sub-Mission on Seeds and Planting Material (SMSMSP)	0.00	0.00	174.65	44.00	To provide training to farmers for production of certified seeds (paddy, arhar, urad, wheat, gram, pea, mustard, moong, dhaincha) through Seed Village and to increase production/productivity.		Climate Change Mitigation and Adaptation		SDG 2		Programme Implementation Training and Capacity Building		
18	01-2401007960371 Sub-Mission on Seeds and Planting Material (SMSMSP)	0.00	0.00	2.91	1.00									
19	01-2401007890239 Pradhan Mantri Krishi Sinchaae Yojana (PMKSY)	152.00	0.00	673.31	303.00	Construction of various types of structures related to land and water conservation, plantation, training, formation of self-help groups, programs and production systems for landless farmers. Scheme for sprinkler/drip irrigation.		Sustainable Land Use and Planning Green Investment and Infrastructure Green Economy and Employment		SDG 2 SDG 6 SDG 15		Subsidies Programme Implementation Training and Capacity Building Technology and Infrastructure		
20	01-2401007890339 Pradhan Mantri Krishi Sinchaae Yojana (PMKSY)	101.28	0.00	156.69	71.00									
21	01-2401007960361 Pradhan Mantri Krishi Sinchaae Yojana (PMKSY)	6.33	0.00	11.22	5.00									
22	01-2401007960357 National Horticulture Mission (NHM)					Area expansion of horticultural fruits, annual and multi-year, drip irrigation etc.		Sustainable Land Use and Planning		SDG 2 SDG 15		Subsidies Programme Implementation Education and Awareness		
		Total		15573.83	25108.94	5247.07	25240.00							

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		Scheme Objective	Environment Sustainability Relevance			
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate	FY 2024-25						
Category 'D' - Medium Significance (25-50%)												
Animal and Fisheries Resources Department												
1	02-240501010219 Blue Revolution. Integrated Development and Management of Fisheries	2709.43	1191.40	5636.24	1690.87							
2	02-240501010319 Blue Revolution. Integrated Development and Management of Fisheries	697.19	676.53	1408.87	422.66							
3	02-24050107890201 Construction of Repairing Pond, Development of Wetland, Input and Construction of New Pond.	88.00	318.00	1504.20	451.26	Its main objectives include increase in groundwater level, water conservation, traditional use of water resources, ecological balance and use of unusable land for organized fisheries.						
4	02-24050107960201 Construction of Repairing Pond, Development of Wetland, Input and Construction of New Pond.	32.00	80.60	380.56	114.17							
5	02-24050107890301 Construction of Repairing Pond, Development of Wetland, Input and Construction of New Pond.	58.67	120.00	376.00	112.80							
6	02-24050107960301 Construction of Repairing Pond, Development of Wetland, Input and Construction of New Pond.	21.36	30.33	95.13	28.54							
	Total	3606.65	2416.86	9401.00	2820.30							

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		Scheme Objective	Environment Sustainability Relevance			
		Actual Green Budget	Green Budget Revised Estimate	Green Budget Estimate	Budget Estimate	Green Budget Estimate						
Category 'D' - Medium Significance (25-50%)												
Department of Industries												
1	23-2851001070101 Silk Development Scheme	121.00	218.75			To strengthen their economic condition and generate self-employment by planting trees of Tasar and Andi plants by regional insect farmers.		Green Economy and Employment Sustainable Land Use and Planning SDG 2 SDG 6 SDG 15 Subsidies Programme Implementation Technology and Infrastructure Training and Capacity Building				
	Total	121.00	218.75									
Panchayati Raj Department												
1	16-2515001960003 15th Finance Commission (Untied)	0.00		24684.00	9873.60	Under the recommendation of the 15th Finance Commission, there is a provision to spend 40 percent of the NDP on solar street lights, provision of playgrounds, gardens, open gyms, development of promenades and construction of crematorium/ electric crematorium. This will lead to success in making the environment clean.		Natural Resource Management Green Economy and Employment Sustainable Land Use and Planning Green Economy and Employment SDG 6 SDG 7 SDG 11 SDG 15 Investment Programme Implementation Technology and Infrastructure				
2	16-2515001970001 15th Finance Commission (Untied)	0.00		24684.00	9873.60							
3	16-2515001980001 15th Finance Commission (Untied)	0.00		115192.00	46076.80							
4	16-2515001960007 Sixth State Finance Commission	0.00		61805.25	30902.63	Under the recommendation of the Sixth State Finance Commission, equal funds (50 percent) will be spent on works like collection and disposal of solid waste, disposal of liquid waste, construction of public toilets, crematoriums/cemeteries and management of playgrounds etc.		Natural Resource Management Green Economy and Employment Sustainable Land Use and Planning SDG 6 SDG 11 SDG 15 Investment Programme Implementation Technology and Infrastructure				
5	16-2515001970004 Sixth State Finance Commission	0.00		61805.25	30902.63							
6	16-2515001980009 Sixth State Finance Commission	0.00		288424.50	144212.25							
	Total	0.00										
	Total budget contribution in the range of 25 to 50 percent	70190.45	75254.55	423498.57	198799.14							

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		Scheme Objective	Environment Sustainability Relevance			
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate	FY 2024-25						
Category 'E' - Low Significance (5-25%)												
Rural Works Department												
1	37-4515001030316 Pradhan Mantri Gram Sadak Yojana	1815.95	19543.43	34372.00	7884.95	Road construction is to be done using roadside plantation, plastic waste and other green technologies.			Green Investment and Infrastructure SDG 12 SDG 13 SDG 15			
	Total	1815.95	19543.43	34372.00	7884.95				Programme Implementation Technology and Infrastructure			
Urban Development and Housing Department												
1	48-2217011910115 Subsidies-in-Aid to Urban Local Bodies of Transport	0.00		1000.00	100.00				Sustainable Land Use and Planning Green Investment and Infrastructure SDG 6 SDG 11			
2	48-2217031930103 Subsidies-in-Aid to Urban Local Bodies of Transport	0.00		950.00	950.00	Under this scheme, streets of less than 10 feet width in urban areas are constructed with pebble blocks, which is suitable for water recharge. This scheme is helpful in keeping the environment clean and pollution free in urban areas.			Programme Implementation Technology and Infrastructure			
3	48-2217017890102 Subsidies-in-Aid to Urban Local Bodies of Transport	5.66	149.99	500.00	50.00							
4	48-2217037890102 Subsidies-in-Aid to Urban Local Bodies of Transport	110.92	450.00	1500.00	150.00							
5	48-2217037960101 Grants-in-aid to urban local bodies	0.00	100.00	0.00								
6	48-2217030510202 AMRUT	286.00	5240.00	0.00								
7	48-2217030510302 AMRUT	0.00	800.00	0.00	0.00	Under this scheme, park construction, water supply and storm water drainage is being implemented. This scheme is helpful in keeping the environment clean and pollution free in urban areas.			Green Investment and Infrastructure Sanitation and Waste Management Climate Change Mitigation and Adaptation SDG 6 SDG 11 SDG 12			
									Programme Implementation Technology and Infrastructure			

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		Scheme Objective	Environment Sustainability Relevance			
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate	FY 2024-25						
Category 'E' - Low Significance (5-25%)												
Urban Development and Housing Department												
8	48-2217030510204 Smart City Mission	490.00	900.00	10000.00	500.00				Climate Change Mitigation and Adaptation Green Investment and Infrastructure			
9	48-2217030510304 Smart City Mission	1000.00	500.00	6000.00	300.00				SDG 7 SDG 11 SDG 13			
10	48-3475007960202 Swarna Jayanti Shahari Rojgar Yojana (NULM)	0.00	8.75	0.00					Programme Implementation Technology and Infrastructure			
11	48-3475007960302 Swarna Jayanti Shahari Rojgar Yojana (NULM)	3.47	0.00						Climate Change Mitigation and Adaptation Green Economy and Employment			
12	48-2217010510201 Smart City Mission	245.00	900.00	10000.00	500.00				SDG 11 SDG 13 SDG 15			
13	48-2217010510301 Smart City Mission	285.00	500.00	6000.00	300.00				Programme Implementation Education and Awareness			
14	48-2217030510206 Smart City Mission	245.00	900.00	10000.00	500.00				Climate Change Mitigation and Adaptation Green Investment and Infrastructure			
15	48-2217030510306 Smart City Mission	245.00	500.00	6000.00	300.00				SDG 7 SDG 11 SDG 13			
16	48-2217030510207 Smart City Mission	0.00	900.00	10000.00	500.00				Programme Implementation Technology and Infrastructure			
17	48-2217030510307 Smart City Mission	0.00	500.00	6000.00	300.00							

Sl.	Budget Code and Identified Schemes	FY 2022-23	FY 2023-24	FY 2024-25	FY 2024-25	Scheme Objective	Environment Sustainability Relevance			
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate					
Category 'E' - Low Significance (5-25%)										
Urban Development and Housing Department										
18	48-2217030510208 Atal Mission for Rejuvenation and Urban Transformation (AMRUT)	0.00	0.00	104800.00	10480.00					
19	48-2217030510308 Atal Mission for Rejuvenation and Urban Transformation (AMRUT)	0.00	0.00	21000.00	2100.00					
20	48-2217030510209 Atal Mission for Rejuvenation and Urban Transformation (AMRUT)	0.00	0.00	3400.00	340.00					
21	48-2217030510210 Atal Mission for Rejuvenation and Urban Transformation (AMRUT)	0.00	0.00	5000.00	500.00					
22	48-2217030510211 Atal Mission for Rejuvenation and Urban Transformation (AMRUT)	0.00	0.00	4000.00	400.00					
	Total	2916.05	12348.74	214700.00	18270.00					
Agriculture Department										
1	01-2401001030109 Expansion of Seed Multiplication Farms Expenditure on Cultivation	2857.00	2673.47	15240.98	3048.00					
2	01-2401007890117 Expansion of Seed Multiplication Farms Expenditure on Cultivation	551.00	542.67	3879.00	776.00	Foundation/Certified Seed Production Program				
3	01-2401007960140 Expansion of Seed Multiplication Farms Expenditure on Cultivation	34.00	37.95	279.35	56.00					

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		Scheme Objective	Environment Sustainability Relevance			
		Actual Green Budget	Green Budget Revised Estimate	Green Budget Estimate	Budget Estimate	Green Budget Estimate						
Category 'E' - Low Significance (5-25%)												
Agriculture Department												
4	01-2401001030218 Sub Mission On Seed And Planting Material (SMSMSP)	0.00	415.67									
5	01-2401007890249 Sub Mission On Seed And Planting Material (SMSMSP)	0.00	105.81									
6	01-2401007960271 Sub Mission On Seed And Planting Material (SMSMSP)	0.00	7.56	12.51	3.00				Climate Change Mitigation and Adaptation SDG 2			
7	01-2401001030318 Sub Mission On Seed And Planting Material (SMSMSP)	0.00	263.91	160.09	40.00				Programme Implementation Training and Capacity Building			
8	01-2401007890349 Sub Mission On Seed And Planting Material (SMSMSP)	0.00	67.00	40.35	10.00							
9	01-2401007960371 Sub Mission On Seed And Planting Material (SMSMSP)	0.00	4.69	0.00								
10	01-2401001080220 National Mission on Oilseeds and Oil Palm (NMOOP)	0.00	163.00	0.00								
11	01-2401007890234 National Mission on Oilseeds and Oil Palm (NMOOP)	0.00	42.00	0.00								
12	01-2401007960256 National Mission on Oilseeds and Oil Palm (NMOOP)		3.00	0.00					Climate Change Mitigation and Adaptation SDG 2			
13	01-2401001080320 National Mission on Oilseeds and Oil Palm (NMOOP)	0.10	89.00	0.00					Programme Implementation Education and Awareness Training and Capacity Building			
14	01-2401007890334 National Mission on Oilseeds and Oil Palm (NMOOP)	0.00	23.00	0.00								
15	01-2401007960356 National Mission on Oilseeds and Oil Palm (NMOOP)	0.00	2.00	0.00								
	Total	3442.10	4440.72	19612.28	3933.00							

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		FY 2024-25		Scheme Objective	Environment Sustainability Relevance			
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate									
Category 'E' - Low Significance (5-25%)														
Building Construction Department														
1	03-4059010510101 Building	2744.16	1253.00	17950.00	3590.00					Soil conservation is being promoted by using Fly Ash brick. Including provision is being also made for all under-construction buildings, rain water harvesting, tree plantation, use of STP Treated Water in Flush and gardening, Energy efficient Appliances, Solar Panel over roof-top.	Green Investment and Infrastructure Climate Change Mitigation and Adaptation SDG 6 SDG 7 SDG 11 SDG 12 SDG 13			
2	03-42160170010101 Other Accommodation	2744.16	3010.00	43000.00	8600.00									
3	03-4059800510110 Judicial Building	0.00	0.00	25.00	5.00									
4	03-4216017000102 Judicial Residential Building	0.00	0.00	25.00	5.00									
	Total	5488.32	4263.00	61000.00	12200.00									
Water Resources Department														
1	49-2705000010204 Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)	0.00	100.00	500.00	100.00									
2	49-2705000010304 Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)	683.00	564.40	2823.00	564.00	The main objective of the expenditure is to create/rehabilitate irrigation facilities, which will naturally help in environmental protection.				Sustainable Land Use and Planning Green Investment and Infrastructure Green Economy and Employment SDG 2 SDG 6				
3	49-4700800510207 Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)	812.60	1316.40	11842.00	2368.40									
4	49-4700800510309 Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)	1333.80	681.00	500.00	100.00									
5	49-4700800050101 Survey and Investigation	100.00	140.00	200.00	40.00									
6	49-4700800510102 Plan to Connect River Basins	9.88	60.00	100.00	20.00									

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		FY 2024-25		Scheme Objective	Environment Sustainability Relevance
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate						
Category 'E' - Low Significance (5-25%)										Water Resources Department	
7	49-4700800510104 Irrigation Generation Projects(work) NABARD Loan Schemes	18600.00	8002.50	8000.00	2000.00					The main purpose of the expenditure is to create/rehabilitate irrigation facilities and ensure availability of drinking water, which will naturally help in environmental protection.	Green Investment and Infrastructure Natural Resource Management ----- SDG 2 SDG 6
8	49-4700800510105 Irrigation Generation Projects (Work)	11586.25	25339.25	68000.00	17000.00					The main purpose of the expenditure is to create/rehabilitate irrigation facilities and ensure availability of drinking water, which will naturally help in environmental protection.	Programme Implementation Technology and Infrastructure
9	49-4700807890102 Irrigation Generation Projects (Work)	6705.50	9748.50	36530.00	9132.50					The main purpose of the expenditure is to create/rehabilitate irrigation facilities, which will naturally help in environmental protection. Implementation of sugarcane development program is proposed.	Green Investment and Infrastructure Green Economy and Employment ----- SDG 2 SDG 6 ----- Programme Implementation Technology and Infrastructure
10	49-4700800510310 North Koel Reservoir Project	0.00	1358.20	12068.00	2413.60						Green Investment and Infrastructure Natural Resource Management ----- SDG 2 SDG 6 ----- Programme Implementation Technology and Infrastructure
11	49-4711010510110 Flood Control Projects (Works)	840.00	1225.00	10650.00	1065.00					The main purpose of expenditure is to prevent floods and erosion which will naturally be beneficial towards environmental conservation.	Green Investment and Infrastructure Green Economy and Employment ----- SDG 2 SDG 6 ----- Programme Implementation Technology and Infrastructure
12	49-4711017890104 Flood Control Projects (Works)	2330.00	2372.90	23350.00	2335.00						
13	49-4711017960101 Flood Control Projects (Works)	313.30	402.10	3800.00	380.00						
14	49-4711010510111 Flood Control Projects (Works) NABARD Loan Schemes	600.00	300.00	2000.00	200.00					The main purpose of the expenditure is to construct roads on dams and embankments of canals, which will be helpful in carrying out all the programs of environmental protection.	Green Investment and Infrastructure Green Economy and Employment ----- SDG 2 SDG 6 ----- Programme Implementation Technology and Infrastructure

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		Scheme Objective	Environment Sustainability Relevance			
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate	FY 2024-25						
Category 'E' - Low Significance (5-25%)												
Water Resources Department												
15	49-4711010510209 Accelerated Irrigation Benefit and Flood Management Programme and Other Water Resource Programmes	7280.00	8008.00	88100.00	88100.00			Natural Resource Management Sustainable Land Use and Planning				
16	49-4711010510309 Accelerated Irrigation Benefit and Flood Management Programme and Other Water Resource Programmes	516.60	2198.20	12600.00	12600.00			SDG 2 SDG 6				
17	49-4711010510212 River Management Activity and Works in Border Area	1650.00	1815.00	20000.00	20000.00			Programme Implementation Technology and Infrastructure				
18	49-4700807590103 Har Khet Sinchae Ka Pani (Saat Nishchay-2)	400.00	1000.00	4000.00	4000.00			Green Investment and Infrastructure Natural Resource Management				
19	49-4700807960101 Har Khet Sinchae Ka Pani (Saat Nishchay-2)	25.00	125.00	500.00	125.00			SDG 2 SDG 6				
20	49-4700800510106 Har Khet Sinchae Ka Pani (Saat Nishchay-2)	2075.00	3875.00	15500.00	3875.00			Programme Implementation Technology and Infrastructure				
21	03-4059800510124 Construction of buildings of Water Resources Department	0.00	0.00	2000.00	200.00			Green Investment and Infrastructure Green Economy and Employment				
22	49-4711010510102 Work related to drainage	0.00	0.00	200.00	20.00			SDG 2 SDG 6				
	Total	55860.93	68631.45	323263.00	55008.50			Programme Implementation Technology and Infrastructure				

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		Scheme Objective		Environment Sustainability Relevance	
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate	FY 2024-25	FY 2024-25	FY 2024-25	FY 2024-25	Category 'E' - Low Significance (5-25%)	Category 'E' - Low Significance (5-25%)
Transport Department											
1	47-3055001990101 Mukhya Mantri Gramin Parivahan Yojana	421.68	45.00					In anticipation of the possible Mukhyamantri Gram Parivahan Yojana in the financial year 2023-34, grant on purchase of auto rickshaws besides other vehicles.		Climate Change Mitigation and Adaptation	
2	47-3055007890101 Mukhya Mantri Gramin Parivahan Yojana	81.30	100.00							SDG 13	
3	47-3055007960101 Mukhya Mantri Gramin Parivahan Yojana	5.09	10.00							SDG 15	
	Total	508.07	155.00	0.00	0.00					Subsidies Programme Implementation Technology and Infrastructure	
Tourism Department											
								Keeping in view the environmental situation, development and beautification work should be done. Also, eco-tourism should be developed in the state in collaboration with the Environment, Forest, and Climate Change Department. Water supply and conservation should be provided in the pond, Water supply in Abhishek Pushkarni Sarovar near Vishwa Shanti Stupa in Varanasi district. Rajgir ropeway and its surrounding areas should be developed and beautified keeping in mind the environmental condition. Beautification of Rajgir ropeway and its surrounding areas under Nalanda district. Development and beautification of Rajgir's Ghoda-Katora should be done keeping in mind the environmental situation. Development of tourist structures in Ghoda-Katora of Rajgir under Nalanda district. Keeping in mind the environmental condition, development and beautification should be done on Gurpa Mountain in Gaya district, along with development of tourist structures.		Sustainable Land Use and Planning Green Investment and Infrastructure Green Economy and Employment	
1	46-5452011010104 Development of Tourist Infrastructure	1952.61	2699.40	16200.00	3524.72					SDG 6	
	Total	1952.61	2699.40	16200.00	3524.72					Programme Implementation Technology and Infrastructure	

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		Scheme Objective	Environment Sustainability Relevance
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate	FY 2024-25			
Category 'E' - Low Significance (5-25%)									
Rural Development Department									
1	42-2501061010202 Rashtriya Gramin Aajeevika Mission (NRLM)			124634.00		13086.57			
2	42-2501061010302 Rashtriya Gramin Aajeevika Mission (NRLM)			64087.00		6729.14			
3	42-2501067890202 Rashtriya Gramin Aajeevika Mission (NRLM)			25918.00		2721.39			
4	42-2501067890302 Rashtriya Gramin Aajeevika Mission (NRLM)			13327.00		1399.34			
5	42-2501067960202 Rashtriya Gramin Aajeevika Mission (NRLM)			2448.00		257.04			
6	42-2501067960302 Rashtriya Gramin Aajeevika Mission (NRLM)			1259.00		132.20			
7	42-2501061010205 National Rural Livelihood Mission (NRLM)	0.00		1080.00		113.40			
8	42-2501061010305 National Rural Livelihood Mission (NRLM)	0.00		120.00		12.60			
9	42-2501061010206 National Rural Livelihood Mission (NRLM)	0.00	0.00	4880.00		512.40			
10	42-2501061010306 National Rural Livelihood Mission (NRLM)	0.00	0.00	814.00		85.47			
11	42-2501067890205 National Rural Livelihood Mission (NRLM)	0.00	0.00	1016.00		106.68			
12	42-2501067890305 National Rural Livelihood Mission (NRLM)	0.00	0.00	170.00		17.85			

Sl.	Budget Code and Identified Schemes	Category 'E' - Low Significance (5-25%)				Environment Sustainability Relevance
		FY 2022-23	FY 2023-24	FY 2024-25	FY 2024-25	
	Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate	Scheme Objective	
Rural Development Department						
13	42-2501067960205 National Rural Livelihood Mission (NRLM)	0.00	0.00	104.00	10.92	
14	42-2501067960305 National Rural Livelihood Mission (NRLM)	0.00	0.00	16.00	1.68	
15	42-2501061020201 National Rural Livelihood Mission (NRLM)	0.00	0.00	3000.00	315.00	Under this scheme, continuous work is done on financial support, account management and other points for earning livelihood by forming institutional organizations of women from poor families.
16	42-2501061020302 National Rural Livelihood Mission (NRLM)	0.00	0.00	2500.00	262.50	
17	42-2501061020301 National Rural Livelihood Mission (NRLM)	0.00	0.00	2000.00	210.00	
	Total	0.00	0.00	247373.00	25974.18	
	Total budget contribution in the 5 to 25 percent range	71984.03	112081.73	916520.28	126795.35	

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		Scheme Objective	Environment Sustainability Relevance			
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate	FY 2024-25						
Category F' - Marginal Significance (Up to 5 percent)												
Urban Development and Housing Department												
1	48-347501080202 Swarna Jubilee City Oriented Scheme (NULM)	0.00	206.25	0.00								
2	48-347501080302 Swarna Jubilee City Oriented Scheme (NULM)	0.00	0.00	0.00								
3	48-347507890202 Swarna Jubilee City Oriented Scheme (NULM)	0.00	160.00	0.00								
4	48-347507890302 Swarna Jubilee City Oriented Scheme (NULM)	0.00	0.00	0.00								
5	48-347507960202 Swarna Jubilee City Oriented Scheme (NULM)	0.00	8.75	0.00								
6	48-347507960302 Swarna Jubilee City Oriented Scheme (NULM)		0.00	0.00								
	Total	0.00	375.00	0.00	0.00							
Rural Development Department												
1	42-2501061010202 Rashtriya GraminAajeevika Mission (NRLM)	5394.95	4193.49									
2	42-2501061010302 Rashtriya GraminAajeevika Mission (NRLM)	2882.56	3135.70									
3	42-2501067890202 Rashtriya GraminAajeevika Mission (NRLM)	5543.16	3042.30									
4	42-2501067890302 Rashtriya GraminAajeevika Mission (NRLM)	2961.60	1082.85									
5	42-2501067960202 Rashtriya GraminAajeevika Mission (NRLM)	2535.79	1391.75									

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		Scheme Objective	Environment Sustainability Relevance
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate	FY 2024-25			
Category F' - Marginal Significance (upto 5 percent)									
Rural Development Department									
6	42-2501067960302 Rashtriya Gramin Aajeevika Mission (NRLM)	1356.63	495.40						
7	42-2501061010205 National Rural Livelihoods Mission (NRLM)	38.00	50.00						
8	42-2501061010305 National Rural Livelihoods Mission (NRLM)	25.33	126.67						
9	42-2501061010206 National Rural Livelihoods Mission (NRLM)	0.00	231.00						
10	42-2501061010306 National Rural Livelihoods Mission (NRLM)	0.00	33.00						
11	42-2501067890205 National Rural Livelihoods Mission (NRLM)	0.00	108.50						
12	42-2501067890305 National Rural Livelihoods Mission (NRLM)	0.00	15.50						
13	42-2501067960205 National Rural Livelihoods Mission (NRLM)	0.00	10.50						
14	42-2501067960305 National Rural Livelihoods Mission (NRLM)	0.00	1.45						
15	42-2501061020201 National Rural Livelihoods Mission (NRLM)	0.00	635.40						
16	42-2501061020202 National Rural Livelihoods Mission (NRLM)	0.00	75.00						
17	42-2501061020301 National Rural Livelihoods Mission (NRLM)	0.00	586.10						
	Total	20738.02	15214.61	0.00	0.00				

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		Green Budget Estimate	Scheme Objective	Environment Sustainability Relevance
		Actual Green Budget	Green Budget Revised Estimate							
Category F' - Marginal Significance (Up to 5 percent)										
Rural Works Department										
1	37-3054041050001 Road and Bridge	8964.60	16457.14	200000.00	6440.00					
2	37-4515001030113 Mukhya Mantri Gram Sampark Yojana (MMGSY)	137.14	476.31	40671.00	128.00					
3	37-4515007960109 Mukhya Mantri Gram Sampark Yojana (MMGSY)	36.34	45.71	1844.00	3.20					
4	37-4515007890104 Mukhya Mantri Gram Sampark Yojana (MMGSY)	160.21	1097.14	53026.00	300.16					
5	37-4515001030216 Pradhan Mantri Gram Sampark Yojana (PMGSY)	2643.87	2388.52	147900.00	171.95					
	Total	11942.16	20464.83	443441.00	7043.31					
Animal and Fisheries Resources Department										
1	02-2405001090102 Fish Breeding	81.00	70.13	1434.54	71.72	Awareness among fish farmers				
	Total	81.00	70.13	1434.54	71.72					

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		FY 2024-25		Scheme Objective	Environment Sustainability Relevance			
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate									
Category F' - Marginal Significance (Up to 5 percent)														
Road Construction Department														
1	41-5054033370508 Road	1024.02	3993.38	137900.00	973.72					There is provision for mandatory forest plantation, conservation of biodiversity and ecological balance in all the projects under consideration.	Biodiversity and Ecological Conservation			
2	41-5054033370102 Large Road	91.75	715.54								SDG 13			
3	41-5054037890101 Large Road		0.00								SDG 15			
4	41-5054031010103 NABARD	0.00	924.21								Programme Implementation			
	Total	1115.77	5633.13	137900.00	973.72					Technology and Infrastructure				
Education Department														
1	21-2202010010105 Educational Seminars, Workshops and Various Educational Events and Festivals	25.00	15.00	500.00	25.00					Under primary education, there is provision for workshops and various seminars to sensitize students towards tree plantation in primary and middle schools.	Natural Resource Management			
2	21-2202011090103 Middle School Student Tour	0.30	100.00	0.00							Climate Change Mitigation and Adaptation			
3	21-2202010010107 Subsidies to Bihar Bal Bhavan	35.79	75.00	0.00							SDG 4			
											SDG 13			
										Programme Implementation				
										Education and Awareness				
										Training and Capacity Building				

Sl.	Budget Code and Identified Schemes	FY 2022-23		FY 2023-24		FY 2024-25		Scheme Objective		Environment Sustainability Relevance		
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate	FY 2024-25	FY 2024-25	FY 2024-25	FY 2024-25	FY 2024-25	FY 2024-25	
Category F' - Marginal Significance (Upto 5 percent)												
Education Department												
4	21-2202021090110 Mukhya Mantri Bihar Darshan Yojana	36.00	99.60	0.00							Under this scheme, children studying in secondary and higher secondary schools are taken on a tour to the major biological parks and tourist places of Bihar, to sensitize students towards protection of environmental resources.	
5	21-4202012010105 Primary School Building Construction	300.00	470.12	70001.00	2100.03						Bihar Educational Infrastructure Corporation Limited has directed to construct such a building that the house should be equipped with skylight and there should be minimum requirement of electricity during the day. Solar lights are being arranged on the roof. Environmental awareness is also being depicted on the wall.	
6	21-4202012020103 Middle School Building Construction	600.00	3428.91	46801.00	1404.03						Programme Implementation Education and Awareness Training and Capacity Building	
7	21-2202010010002 Encourage for Social Festival	0.00	0.50								Natural Resource Management Climate Change Mitigation and Adaptation	
8	21-2202011090004 Encouragement for Social festival in schools	0.00	0.25								Under primary education, there is a provision for workshops and various seminars in primary and middle schools to make students aware and sensitive towards tree plantation.	
	Total	997.99	4189.38			117302.00	3529.06					
Information and Public Relations Department												
1	24-2220601060101 Regional Publicity Scheme	411.00	410.00	8113.00	405.65						Climate Change Mitigation and Adaptation	
	Total	411.00	410.00	8113.00	405.65						Widespread publicity of Jal-Jeevan-Hariyali Abhiyan.	
											SDG 13 SDG 15	
											Education and Awareness	

Sl.	Budget Code and Identified Schemes	FY 2022-23	FY 2023-24	FY 2024-25	FY 2024-25	Scheme Objective	Environment Sustainability Relevance			
		Actual Green Budget	Green Budget Revised Estimate	Budget Estimate	Green Budget Estimate					
Category 'F' - Marginal Significance (Upto 5 percent)										
Building Construction Department										
1	03-2059800530001 Maintenance and Repair	1553.40	2098.29	42500.00	2125.00	Rainwater harvesting work for groundwater conservation	Natural Resource Management SDG 9 Programme Implementation			
2	03-2059800530004 Maintenance and Repair			7000.00	350.00					
	Total	1553.40	2098.29	49500.00	2475.00					
	Total budget contribution in the upto 5 percent range	36838.44	48455.36	757690.54	14498.46					
	Grand Total	798957.63	1679354.30	3336207.64	1382339.34					

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