

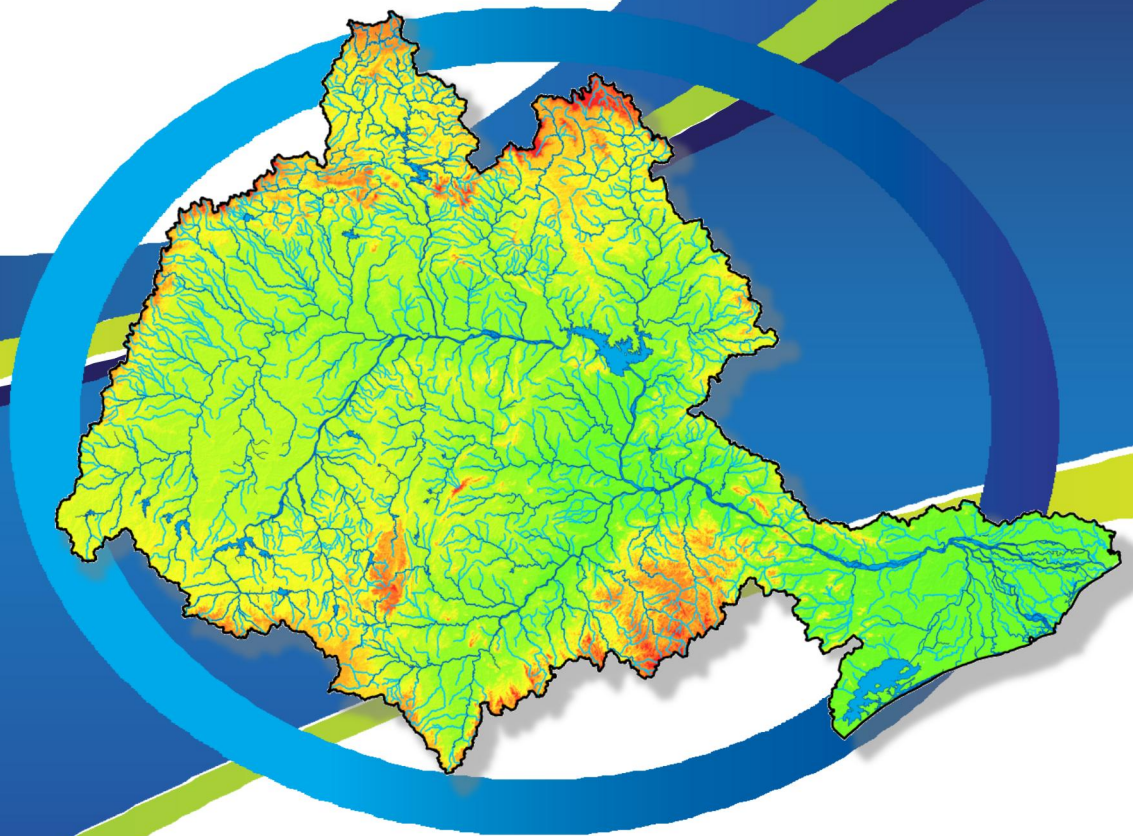


National River Conservation Directorate

Department of Water Resources, River Development & Ganga Rejuvenation

Ministry of Jal Shakti,

Government of India



MAHANADI RIVER BASIN ATLAS

October 2025

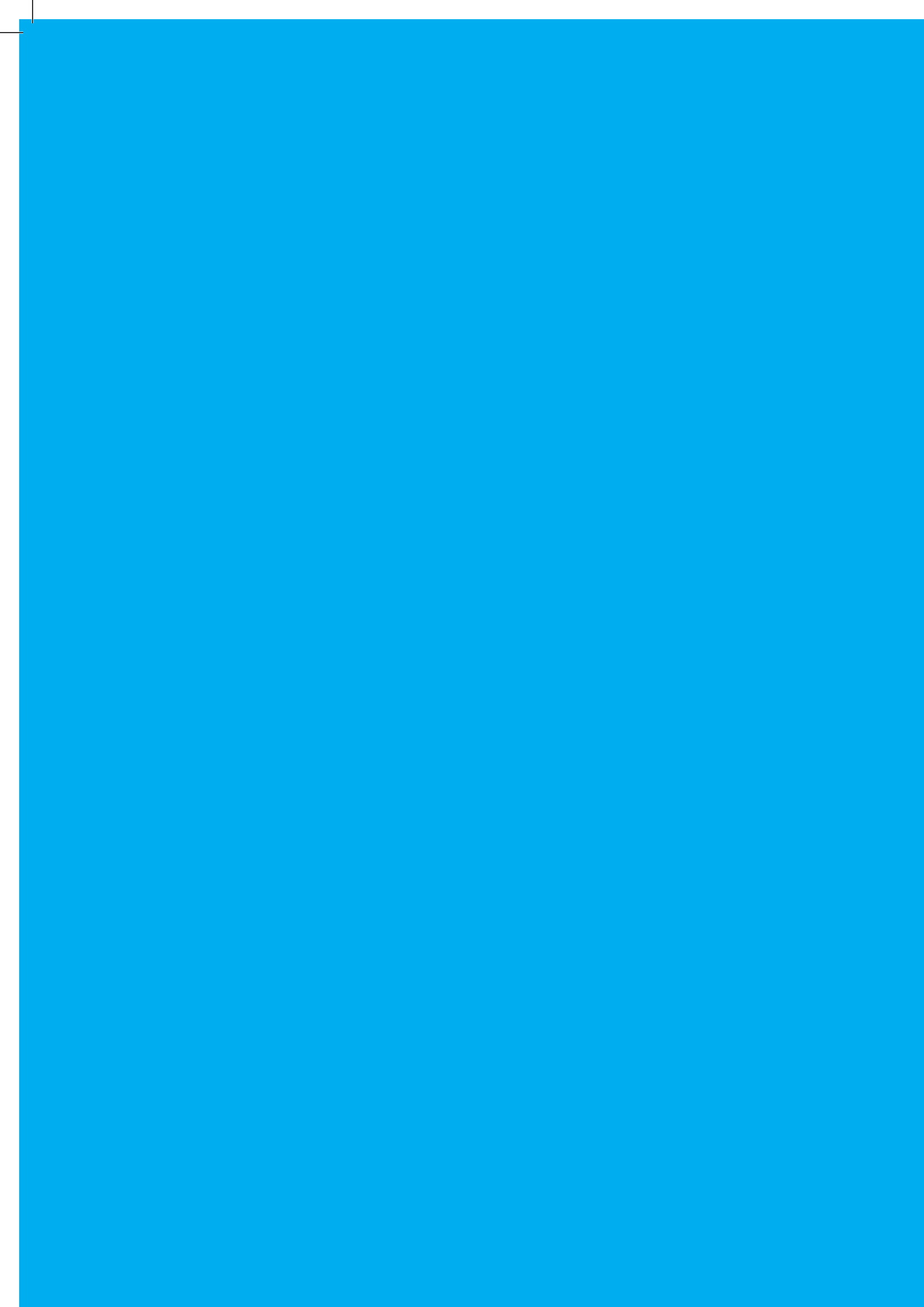
(Version 1)



cMahanadi

Centres for Mahanadi River Basin Management and Studies

© cMahanadi, cGanga and NRCD, 2025



MAHANADI RIVER ATLAS

OCTOBER 2025



cMahanadi

Centres for Mahanadi River Basin Management and Studies
© cMahanadi, cGanga and NRCD, 2025

(Version 1)

National River Conservation Directorate (NRCD)

The National River Conservation Directorate, functioning under the Department of Water Resources, River Development & Ganga Rejuvenation, and Ministry of Jal Shakti providing financial assistance to the State Government for conservation of rivers under the Centrally Sponsored Schemes of 'National River Conservation Plan (NRCP)'. National River Conservation Plan to the State Governments/ local bodies to set up infrastructure for pollution abatement of rivers in identified polluted river stretches based on proposals received from the State Governments/ local bodies.

www.nrzd.nic.in

Centres for Mahanadi River Basin Management and Studies (cMahanadi)

The Center for Mahanadi River Basin Management and Studies (cMahanadi) is a Brain Trust dedicated to River Science and River Basin Management. Established in 2024 by NIT Raipur and NIT Rourkela, under the supervision of cGanga at IIT Kanpur, the center serves as a knowledge wing of the National River Conservation Directorate (NRCD). cMahanadi is committed to restoring and conserving the Mahanadi River and its resources through the collation of information and knowledge, research and development, planning, monitoring, education, advocacy, and stakeholder engagement.

www.cmahanadi.org

Centres for Ganga River Basin Management and Studies (cGanga)

cGanga is a think tank formed under the aegis of NMCG, and one of its stated objectives is to make India a world leader in river and water science. The Centre is headquartered at IIT Kanpur and has representation from most leading science and technological institutes of the country. cGanga's mandate is to serve as think-tank in implementation and dynamic evolution of Ganga River Basin Management Plan (GRBMP) prepared by the Consortium of 7 IITs. In addition to this, it is also responsible for introducing new technologies, innovations, and solutions into India.

www.cganga.org

Acknowledgment

This report is a comprehensive outcome of the project jointly executed by NIT Raipur (Lead Institute) and NIT Rourkela (Fellow Institute) under the supervision of cGanga at IIT Kanpur. It was submitted to the National River Conservation Directorate (NRCD) in 2024. We gratefully acknowledge the individuals who provided information and photographs for this report.

Team Members

NIT Raipur

Dr. Samir Bajpai, Coordinator & Head
Dr. Ishtiyah Ahmad, Co-coordinator & PI
Dr. Sahajpreet Kaur Garewal, Sr. Project Scientist
Dr. Sandeep Soni, Sr. Project Scientist
Dr. Shashikant Verma, Project Scientist
Dr. Amit Kumar Shukla, Project Scientist
Mr. Satyajeet Sahu, Project Associate

NIT Rourkela

Dr. Kishanjit Kumar Khatua, Coordinator & Head
Dr. Jatin Anand, Co-coordinator & PI
Dr. Sanat Nalini Sahoo, Co-coordinator & PI
Dr. Snigdha Sarita Mohapatra, Post-Doctoral Fellow
Mr. Boddepalli Manikanta, Junior Research Fellow

PREFACE

In an era of unprecedented environmental change, understanding our rivers and their ecosystems has never been more critical. This report aims to provide a comprehensive overview of our rivers, highlighting their importance, current health, and the challenges they face. As we explore the various facets of river systems, we aim to equip readers with the knowledge necessary to appreciate and protect these vital waterways.

Throughout the following pages, you will find an in-depth analysis of the principles and practices that support healthy river ecosystems. Our team of experts has meticulously compiled data, case studies, and testimonials to illustrate the significant impact of rivers on both natural environments and human communities. By sharing these insights, we hope to inspire and empower our readers to engage in river conservation efforts.

This report is not merely a collection of statistics and theories; it is a call to action. We urge all stakeholders to recognize the value of our rivers and to take proactive steps to ensure their preservation. Whether you are an environmental professional, a policy maker, or simply someone who cares about our planet, this guide is designed to support you in your efforts to protect our rivers. We extend our heartfelt gratitude to the numerous contributors who have generously shared their stories and expertise. Their invaluable input has enriched this report, making it a beacon of knowledge and a practical resource for all who read it. It is our hope that this report will serve as a catalyst for positive environmental action, fostering a culture of stewardship that benefits both current and future generations.

As you delve into this overview of our rivers, we invite you to embrace the opportunities and challenges that lie ahead. Together, we can ensure that our rivers continue to thrive and sustain life for generations to come.

**Centre for Mahanadi River Basin
Management and Studies (cMahanadi)**
NIT Raipur & NIT Rourkela

ACRONYMS AND ABBREVIATIONS

CAMP	:	Condition Assessment and Management Plan
CGWB	:	Central Ground Water Board
cMahanadi	:	Centre for Mahanadi River Basin Management and Studies
CWC	:	Central Water Commission
DEM	:	Digital Elevation Model
GIS	:	Geographic Information System
IIT	:	Indian Institute of Technology
MRB	:	Mahanadi River Basin
NRSC	:	National Remote Sensing Centre
NIT	:	National Institute of Technology
SRTM	:	Shuttle Radar Topography Mission
SoI	:	Survey of India
WL	:	Water Level
WRD	:	Water Resource Department
WRIS	:	Water Resource Information System

CONTENTS

Caption	Page No.
1. Introduction	1
2. Mahanadi River Basin: Salient Features	2
2.1 River Traversing through various Districts in Basin Area	3
3. Basin Information	14
3.1 India Administrative Divisions (Geographical)	14
3.2 Mahanadi River Basin: Administrative Structure	15
3.3 Mahanadi River Basin: Urban Local Bodies (ULB's)	16
3.4 Mahanadi River Basin: Land Use Land Cover (250K)	17
3.5 Mahanadi River Basin: GW Level and Quality Station	18
3.6 Mahanadi River Basin: Stage of Groundwater Development (%)	19
3.7 Mahanadi River Basin: CWC Sites - Surface Water Guage/Level/Sediment & Water Quality Stations	20
3.8 Mahanadi River Basin: Canal Network	21
3.9 Mahanadi River Basin: Water Resources Projects	22
4. River Basins in India: Level 1	23
5. Mahanadi River Basin: Level 2	25
6. Mahanadi River Basin: Level 3	26
7. River Network Preparation Methodology	27
8. River Codification Methodology	28
9. Mahanadi Basin and it's River Network	30
10. Major Main Stem Sub-Basins	31
11. Major Tributary Sub-Basins	41
Acknowledgement	66

LIST OF FIGURES

Figure	Caption	Page No.
1	Location Map of Mahanadi River Basin	1
2	India Administrative Divisions (Geographical)	14
3	Mahanadi River Basin : Administrative Divisions (Geographical)	15
4	Mahanadi River Basin : Urban Local Bodies (ULB's)	16
5	Mahanadi River Basin : Land Use Land Cover (250k Level-1)	17
6	Mahanadi River Basin : Ground Water Level Station	18
7	Mahanadi River Basin : Ground Water Quality Station	18
8	Mahanadi River Basin : [Block-Wise] Stage of Groundwater Development (%)	19
9	Mahanadi River Basin : CWC Sites	20
10	Mahanadi River Basin: Surface Water Quality Stations/Sites	20
11	Mahanadi River Basin : Canal Network	21
12	Mahanadi River Basin : Water Resources Projects	22
13	Level 1 River Basins in India	23
14	Level 2 River Basins in Mahanadi River Basin	25
15	Sub-basin [Level-3] Mahanadi River Basin	26
16	River Network Preparation Methodology for MRB	27
17	River Codification System for River originates in Urban/Rural Area	28
18	River Codification System for River originates in Forest Area	28
19	River Stream in Mahanadi Basin	30
20	Upper Mahanadi Main River Basin and it's River Network	31
21	Flow Diagram of Upper Mahanadi Main River Part	32
22	Middle Mahanadi River Basin and it's River Network	33
23	Flow Diagram of Middle Mahanadi Main River Part	35
24	Lower Mahanadi Main [Delta including Chilka and it's Network]	36
25	Flow Diagram of Lower Mahanadi Main River Part	40
26	Seonath River Basin and it's River Network	41
27	Flow Diagram of Seonath River	42
28	Tel Sub-basin and it's River Network	44
29	Flow Diagram of Tel River	45

30	Ib Sub-basin and it's River Network	47
31	Flow Diagram of Ib River	48
32	Hasdeo Sub-basin and it's River Network	50
33	Flow Diagram of Hasdeo River	51
34	Mand Sub-basin and it's River Network	54
35	Flow Diagram of Mand River	55
36	Ong Sub-basin and it's River Network	57
37	Flow Diagram of Ong River	58
38	Jonk Sub-basin and it's River Network	60
39	Flow Diagram of Jonk River	61
40	Pairi Sub-basin and it's River Network	63
41	Flow Diagram of Pairi River	64

LIST OF TABLES		
Figure	Caption	Page No.
1	Mahanadi Basin: Salient Features	2
2	Mahanadi River Basin District-wise Rivers	3
3	Major Dams in Mahanadi River Basin and its tributaries	22
4	List of Level 1 Basins in India (As Listed by CWC)	24
5	List of Significant Level 2 River Basins in Mahanadi River Basin	25
6	Unique Identity Code of Selected Rivers	29
7	Upper Mahanadi Main River Mainstem Network	33
8	Middle Mahanadi Main River Mainstem Network	37
9	Lower Mahanadi Main River Mainstem Network	40
10	Seonath River Mainstem Network	43
11	Tel River Mainstem Network	46
12	Ib River Mainstem Network	49
13	Hasdeo River Mainstem Network	52
14	Mand River Mainstem Network	56
15	Ong River Mainstem Network	59
16	Jonk River Mainstem Network	62

INTRODUCTION

The Mahanadi River, one of the major river systems of peninsular India, originates from the Sihawa Hills in the Dhamtari district of Chhattisgarh at approximately 442 meters above sea level. It traverses a significant portion of central and eastern India before emptying into the Bay of Bengal. The river has a total length of about 909 kilometers and drains an expansive basin of over 141,589 square kilometers, encompassing parts of Chhattisgarh, Odisha, Jharkhand, and Maharashtra (Figure 1).

In its initial course, the river flows through Chhattisgarh, where it is joined by prominent tributaries such as the Seonath, Hasdeo, Mand, and Jonk. The Seonath River, the longest tributary, originates from the Maikal Hills and significantly contributes to the flow of the Mahanadi. The Hasdeo River, originating from the dense forests of the Chhattisgarh hills, also plays a crucial role in the hydrological dynamics of the basin. As the river progresses into Odisha, it receives additional tributaries, such as the IB, Ong, and Tel, further augmenting its volume. These tributaries, arising from the Eastern Ghats and surrounding highlands, contribute to the basin's geomorphic diversity and hydrological complexity.

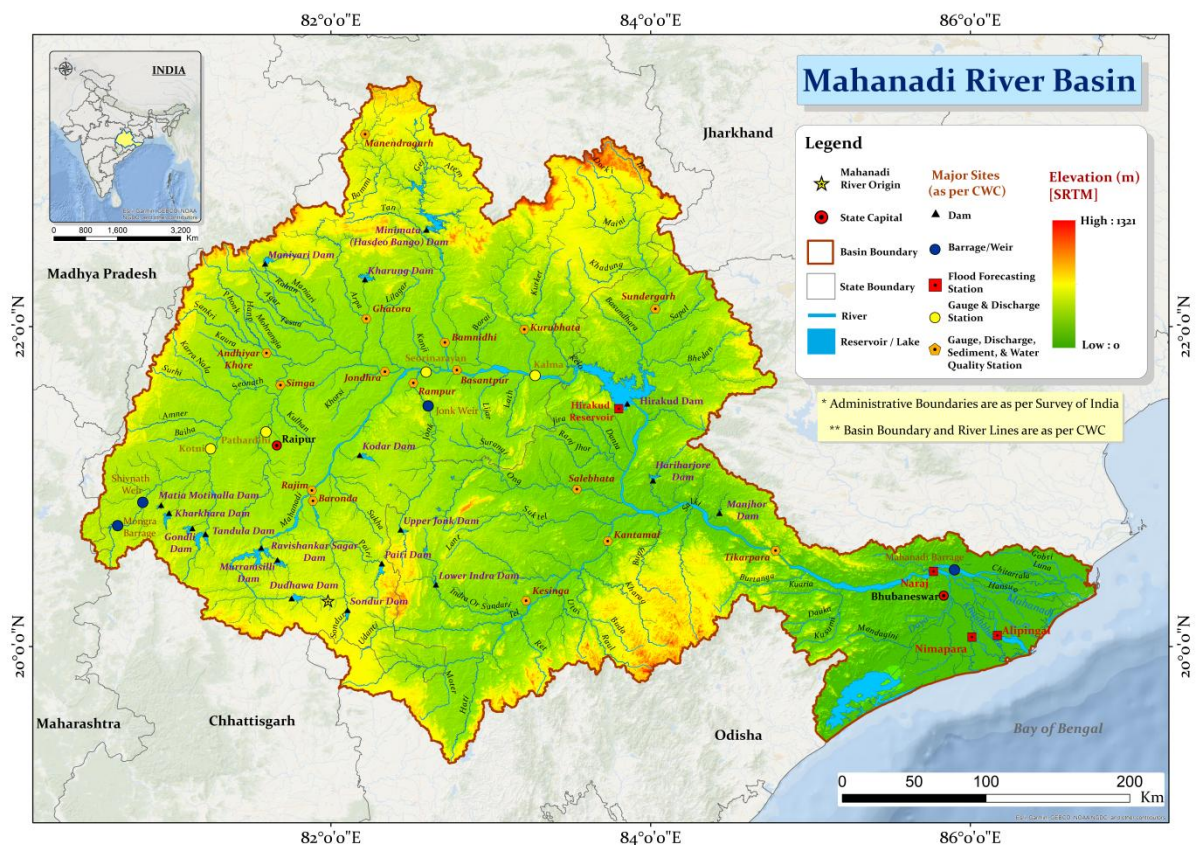


Figure 1: Location Map of Mahanadi River Basin

MAHANADI RIVER BASIN: SALIENT FEATURES

Table 1: Mahanadi Basin: Salient Features

S. No.	Features	Description
1	Basin Extent	80° 28' to 86° 43' E 19° 8' to 23° 32' N
2	Area (Sq.km)	1,41,589
3	States in the basin	Chhattisgarh (52.42%), Odisha (47.14%),
4	Districts	56
5	Parliamentary Constituencies (2009)	32
6	Mean Annual Rainfall (mm)	1291.92
7	Mean Maximum Temperature (° C)	39.56
8	Mean Minimum Temperature (° C)	20.01
9	Total Population (As per Census 2001)	2,83,22,294
10	Number of villages (As per Census 2001)	38,094
11	Highest Elevation (m)	1321 (SRTM DEM)
12	Avg. Annual Water Potential (BCM)	66.9
13	Utilizable Surface Water (BCM)	50
14	Number of Sub-basins	3
15	Number of Watersheds	227
16	Number of water resources structures	Dams (282) Barrages (17) Weir (13) Lifts (4) Power House (6)
17	Highest Dam	Minimata (Hasdeo) Bango Dam (87 m)
18	Longest Dam	Hirakud Dam (4800 m)
19	Highest Barrage	KarraNalla Barrage (18.89 m)
20	Longest Barrage	Mahanadi Barrage (1928 m)
21	Number of Irrigation projects	Major : 24
22	Number of Ground water observation wells	1147
23	Number of Hydro-Observation sites	49 existing, 1 closed
24	Number of Flood Forecasting Sites	4
25	Water tourism sites	12 Water tourism sites, 14 Wildlife Sanctuaries / National Parks

Table 2: Mahanadi River Basin District-wise Rivers

S No.	District	State	Named Rivers [km]	Total River Length [km]	River Name
1	Angul	OD	36	488.04	Bada Jor, Bania Jhor, Bar Jor B, Barabankia Nadi, Bhimadara Nala, Bhogra Nala, Chanagorthi N, Chandobahalo Nadi, Chupu Nala, Duhani Jhor, Dumuhani Nala, Ghodapath Nala, Ghosar Jor, Gubari Jor, Harhua Nala A, Himitira Jor, Karandi Jhor B, Khanda Jhor, Khandhara Jor, Kuliya Nala, Kurtugarh Nala, Mahanadi River, Malia Jhor, Mano Jor, Peranda Jhor, Poradiha Jor, Puranupuni Nala, Purunupuni Nala, Ramuru Nala, Sankarandi Jor, Sarbhenia Nala, Sarimadar Nala, Sindol Jhor or Dandatapa Nala, Sureswari Jor, Susab Jhor, Tabdi Jor
2	Balangir	OD	78	1412.55	Angara Jor B, Angara Jor C, Angara Jor D, Bagiharan Jor, Bairi Jor, Bajpurjharan Nala, Balu Jor, Banda Jor B, Bar Jor A, Bhamini Nadi, Bijali Jor, Brahmani Jor A, Brahmani Jor B, Buasan Jor, Chhelkhai Jor, Chilant Nadi, Chiler Nala, Damurimunda Jor, Dangaghat N, Dantia Jor, Dharlu Jor, Dhoban Jor, Gadia Jhor, Gaikhal Jor, Ganjadhar Jor, Ghensnali Jhor, Godia Jor, Gurmajor Nala, Jabra Jor, Jalbang Nala, Jamuna Jor, Junani Jor A, Junani Jor B, Kaliganga Nadi, Kandhan Jor, Kankarha Jor, Katangi Nala, Keutani Jor, Keuti Jor, Khalkhali Nala, Kharag River B, Kharli Jor, Kharlikani Jor, Kora Nala, Kukri Jor, Kukurchoba Jor, Kulari Jhor, Kusangai Jor, Kusangei Jor, Lakshmi Jor B, Lakshmi Jor C, Lakshmi Jor D, Lakshmi Jor E, Lakshmi Jor F, Laksmi Jor, Lant Nadi, Mayabati Nadi, Minapali N, Naiken Jor, Nangla Jor, Nargi Nala, Nibruti Jor, Nibruti Nadi, Nibtuti Jor, Ong River, Ostali Nadi, Palsakani Nadi, Pandrapatra Nadi, Raul River, Sauten Jor, Subarnarekha Nadi, Sukhtel River, Sungarh Nadi, Tang Jor, Tel River, Telia Jor, Under River, Utali Jhor
3	Balod	CG	25	599.47	Ama Nala D, Arjuni Nala, Bahera Nala, Belghari Nala, Chitawar Nala A, Chohli Nala, Choraha Nala, Dalekasa Nala, Dugan Nala, Goraiyan Nala, Jabkohra Nala, Jujhara Nala, Kandul Nala, Karri Nala, Kharkhara Nadi/R, Kharun River, Kiriya Nala, Kukri Nala B, Mahanadi River, Moti Nala A, Rupakathi Nala, Semra Nala, Sukha Nala B, Tandula River, Thandla Nala
4	Baloda Bazar	CG	59	855.77	Ama Nala G, Amajhiriya Nala, Bagbura Nala C, Baingwa Nala, Balamdi Nadi, Balar Nala, Banjari Nala A, Banjari Nala B, Belabhandar Nala, Bhothahi Nala, Chhipri Nala, Chhowa Nala, Chhuiya Nala, Chitawar Nala, Chitawar Nala B, Devdahra Nala, Dokri Nala, Dokrinadabra Nala, Gadaria Nala, Gidla Nala, Gudru Nala, Jhorki Nala, Jonk River, Jumuniya Nadi A, Kantra Nala, Karkari Nala, Karmel Nala, Kauwa Nala B, Kharkhara Nala B, Kharkhara/Chhuiya Nala, Kharra Nala B, Khorsi Nala, Kosam Nala B, Koylari N, Kutan Nala, Lambar N, Mahanadi River, Makhmala Nala, Mallin Nala, Marghat Nala B, Mirwa Nala, Murai Dhowa Nala, Naini Nala, Nunchha Nala, Nunchha/Belabhandar Nala, Pakhapani Nala, Patalu Nala, Ranidhar Nala, Seonath Nadi, Shakti N, Sidhkholiya Nala, Silari Nala, Sukhlai Nala, Suma Nala, Tallian Nala, Tangna Nala, Tarai Nala, Tengna Nala B, Tundri N

S No.	District	State	Named Rivers [km]	Total River Length [km]	River Name
5	Bargarh	OD	54	1123.11	Ab Khol Nala, Amdarha Jhor, Bad Jor, Baiatbandha Nala, Bajpurjharan Nala, Balla Katta Nalla, Banjari Nala E, Baragarh Nala, Benapathar Nadi, Bhainsmura Nadi, Bhandari Jhor, Bhandarihor Nala, Chirar Nala, Danta River, Debrigarb Nala, Deodarha Nala A, Deodarha Nala B, Devmohini Nala, Dhagrisala Jhor, Dharkata Nala, Dhenki Nala, Ganuyari Jhor, Ghensnali Jhor, Girisul Jhor, Gupdhara Nala, Jhaun Jhor, Jira River, Jonk River, Jor Nala, Kharkhara Nala, Kinkari Nala, Kokari Jhor, Kolar Nala, Kolri Nala, Kulari Jhor, Kuliari Jhor A, Kuliari Jhor B, Kumri Nala, Kumurhi Nala, Mahanadi River, Matwali Jhor, Mongragad Jhor, Murmuri Nala, Narsinghnath Nala, Ong River, Ranj Jhor, Ranjiharana Nala, Sagori Nala, Samardarha Nala, Saran Khol Nala, Sukha Nala A, Surangi Nala A, Tera Nala B, Utali Jhor
6	Baudh	OD	39	731.91	Athara Nala, Bagh Nadi, Bagrakhai Nala, Bagumura Nala, Bankikhol Nala, Bara Jor A, Bara Jor B, Barakuhali Nala, Baramunda Nala, Barha Jor A, Barhajor Nadi, Beherasahi Nala, Bolath Nala, Dhakadhaki Nala, Gohira Jhor, Gubari Jor, Gudguda Nadi, Hinamanda Nala, Jamu Nala, Joramu Or Sagdia N, Kapapalli Jor, Karandi Jhor A, Katramala Nala, Kharag River B, Khilkihill Nadi, Kukuteswar Nala, Kunkarapathar N, Lakshmi Nala, Mahanadi River, Malikpathar Jhor, Meherani Jhor, Meherani Nala, Padal Jor, Pichala Jor, Pichhla Nala, Purilnapani Nala, Salki Nadi B, Singa Jor, Tel River
7	Bemetara	CG	37	773.55	Barbara Nala, Batai Nala, Batal Nala, Dotu Nala, Gabdi Nala, Gadarwan Nala, Ghoghra Nala B, Ghuri Nala A, Ghuri Nala B, Gorakh Nala, Hanp River, Jhanjha Nala, Jhipaniya Nala, Jia Nala, Karra Nadi, Karua Nala A, Karua Nala B, Kekdar Nala, Kharun River, Khewa Nala, Linjua Nala, Lor Nadi, Mangsa Nala, Mohrangia Nala, Mowa Nala, Nakti Nala, Narbada Nadi, Narki Nala, Phonk Nadi, Pipraha Nala, Sakri Nadi, Sarar Nala, Seonath Nadi, Sunari Nala, Surhi Nadi, Tantaria Nala, Thegna Nala
8	Bilaspur	CG	51	488.04	Ama Nala, Arpa River, Baghaiha Nala A, Barchaha N, Bardahi Nala, Basanti N, Chapi Nala, Chhoti Narmada Nadi, Chiwari N, Dhabaiya Nala, Donga Nala, Gahila Nala, Ghoghar Nala B, Ghongha Nadi, Gokena N, Gundguda N, Jewas Nadi, Jhalwan Nala, Jhiriya Nadi, Kalartarai Nala, Karauwa Nala, Kasaiya Nala, Katori Nala A, Khoda Nadi, Kolhiya Nala, Koliha Nala, Kotri Nala C, Kurra Nadi, Kurung Nadi, Lamer Nala, Liagar Nadi, Maniari River, Marhi Nala, Mati Nala, Naharna N, Patali Nala, Patilha N, Pirhakhar Nala, Railakhani Nala, Raksa Nala, Sagri N, Sakri Nala, Sargor Nala, Sat Nala, Seonath Nadi, Sukhnai Nala, Sukhna Nala, Sukhra Nala, Tilochan N, Tumgarh N, Uttargarhi Nala

S No.	District	State	Named Rivers [km]	Total River Length [km]	River Name
9	Cuttack	OD	55	1052.34	Barha Jor B, Barha Jor C, Benga Nala, Bhimadara Nala, Birupa Nadi, Bismakundi Nadi, Chandrapa Nala, Chashanra Nala, Chatara Nala, Chhinda Nadi, Chitrotpala Nadi, Dahikhau Nadi, Devi River A, Gandha Nala, Gobari Nadi A, Gobari Nadi C, Gorhdhua Nadi, Hadua Nala, Hansua Nadi, Harhua Nala A, Hemsagar Nadi, Janik Jhor, Kakurhia Nala, Kali Jor, Kaligiri Nadi, Kandala Nadi, Kani Jor, Kankarajhara Nala, Kathajorhi River, Khaja Khal Nadi, Khali Nala, Koyakhai River, Kundi Nadi, Kundi Nala B, Lunijhara Nadi, Mahanadi River, Maljhorhi Nadi, Mendhakhai Nadi, Nuna Nadi A, Pachen Nala, Pagoda Nala, Paika N, Paika River, Potapokhari Nala, Prachi Nadi, Rana Nadi, Serua River, Shiama Nala, Shuakhand Jor, Shukabhadra Nadi, Singli Jhor, Tel Jori, Telajori Nala, Tera Nala A, Thanagail Jora
10	Debagarh	OD	4	63.65	Ambdoba Nala, Bank Nadi, Kallpani nala, Lamdora Nala
11	Dhamtari	CG	55	917.58	Ama Nala B, Ama Nala D, Arjun Nadi, Atara Nala, Bag Nala B, Bagbura Nala B, Barkapathra Nala, Basona Nala, Bendrachuwa Nala, Bhaji Nala, Bhakhra N, Bhumni Nala, Bindra Nala, Charbhata Nala, Chargaon Nala, Daur Nala, Devri Nala, Garaghat Nala, Garanji Nala, Garhiya Nala, Ghordagi Nala, Ghutbera Nala, Gopi Nadi, Hathadahra Nala, Jharjhara Nala, Jhura Nala A, Jhura Nala B, Kajal Nadi, Kesudah Nala, Khalari Nala, Kharun River, Khudurupani Nala, Khuntasar Nala, Kukrel Nadi, Kukri Nala A, Kuriya Nala, Lakhdhorgi Nala, Lilanj Nadi, Mahanadi River, Nagdev Nala, Nakti Nala A, Narhara Nala, Padnkher N, Pairi River, Panwai Nadi, Paurmetta Nala, Salariya Nadi, Sendur Nadi B, Shobha Nala, Sihari Nala, Sita Nadi, Sondur Nadi, Sukha Nadi G, Teka Nala, Tendudabra Nala
12	Dhenkanal	OD	7	103.61	Barha Jor B, Benga Nala, Gandha Nala, Kali Jor, Sankhai Nala, Sankhel Nala, Sapua Nadi
13	Durg	CG	21	342.46	Amner River, Asnara Nala, Baiha Nala A, Bharar N, Gabdi Nala, Gadarwan Nala, Kharkhara Nadi/R, Kharra Nala A, Kharun River, Kulhuri Nala, Lor Nadi, Moti Nala C, Nankatti Nala, Narki Nala, Pathra Nala, Samoda Nala, Seonath Nadi, Surhi Nadi, Surpa Nala, Tandula River, Tengna Nala A
14	Ganjam	OD	5	55.01	Bhimakandha Nala, Debijha Nala, Khalajhor Nadi, Kusumi N, Marka Nadi
15	Gaurela Pendra Marwahi	CG	26	327.27	Ama Nala J, Amadob Nala, Arpa River, Bahera Nadi, Bamni Nadi/River/R, Chama Nala, Chhitada Nala A, Chhitada Nala B, Chunha Nala, Dhobni Nala, Indrahkhol Nala, Jatarmi Nala, Jewas Nadi, Kekramarha N, Keraha Dhar, Khuti Nala, Machhlidhodhi Nala, Mati Nala, Nagdahra N, Neori N, Pandripani Nala A, Phulwari Nala, Pirhakhar Nala, Sonkachhar Nala, Sukhad Nala, Tan Nadi

S No.	District	State	Named Rivers [km]	Total River Length [km]	River Name
16	Gariyaband	CG	112	1351.47	Ama Nala C, Ama Nala E, Amar Nala, Andhoriya Nala, Aunrajhori Nala, Awarajhari Nala, Bag Nala A, Bagai Nala, Bagnai Nadi, Bajdih Nala, Bar Nala A, Bardev Kona Nadi, Bargaon Nadi, Barhi Nala, Basikhai Nala, Basikhar Nala, Belat Jor, Bhaing Nala, Bhursi Nala, Boir Nala, Burgel Nala, Butenga Nala, Chachangi Nala & Na*, Chhaha Nadi, Chhaila Nadi, Chhuhi Nala, Chikhalpani Nala, Chinra Nala, Chir Nala, Chyaymal Nala, Daur Nala, Dewangura Nala, Dhenka Nala, Dhobin Nala, Dhokanjhor Nala, Dhumabahra Nala, Diyapani Nala, Dokrel Nala, Dulla Nala, Dumaghat Nadi, Ganhadhar Nala, Ghoghar Nala A, Ghumar Nala, Ghunghuti Nala/Piparchheri N, Ghutiya/Kharkhara Nala, Godlapani Nala, Gogor Nadi, Golda Nala, Haldimohan Nala, Halphali Nala, Hilarchua Nala, Indrawan Nadi, Jatmai Nala, Jhapan Nala, Jhulna Nala B, Jhura Nadi B, Jhura Nala, Jodiyan Budki Nala, Kahuwa Nala, Kakardharan Nala, Kandsarn Nala, Kantadona Nala, Kasijhar Nala, Keroli Nala, Khaira Jor, Khajran Nala, Kharka Jor, Kharkhara/Koyali Nala, Kholajhola Nala, Kodri Nala, Kokri Nala B, Kotri Nala A, Kulap Nala, Kumkut Nala, Kusumkariya Nala, Lohrin Nala, Mahanadi River, Mahulpani Nala, Masanakunda Nala/Karra Nala, Masui Nala, Mundra Nadi, Mura Nala, Murgel Jor, Nagaldih Nala, Ninar Nadi, Nisani Nala, Pairi River, Pandri Nala, Panika Nala, Parsuli Nala, Pitabahar Nala, Ranibasima Nala, Salap Nala, Sanpdhara Nala, Sargi N, Sarna Jor, Sati Nadi, Shobha Nala, Sihanri Nala, Son Nadi B, Sondur Nadi, Sukha Nadi B, Sukha Nadi C, Sukha Nadi D, Sukha Nadi F, Sukha Nadi H, Sukhatel Nadi, Tara Nala, Teka Nala, Tel River, Tonga Nala, Udanti Nadi
17	Jagatsinghapur	OD	40	708.08	Alaka Nadi A, Alaka Nadi B, Alaka Nadi C, Alaka Nadi D, Atharabanki Nadi, Balijhori Nadi, Baradia N A, Baradia N B, Baunsha Jori, Bhitargarh N, Biluakhai Nadi, Bruddha Nadi, Budhajori Nala, Chandapur Nala, Devi River A, Devi River B, Dhenkiagalai Nadi, Gobari Nadi D, Haldia N, Hansua Nadi, Harhua N, Harhua Nala B, Kathajorhi River, Kathajorhi R, Mahanadi River, Mahanga N, Mahanga Nadi, Marigari N, Musharhia Nala, Nara Nadi, Nuni Nadi, Paika N, Paika River, Pota Nadi, Santra Nadi, Saunlia N, Saunlia Nadi, Saunlie N, Shankua Nadi, Tigiria Nadi
18	Jajapur	OD	1	8.63	Gobari Nadi A
19	Jashpur	CG	62	968.24	Amajharia N, Amjhor N, Balabundh N, Baljora Nala, Bamhni N, Bandarakhasara Nala, Barhabad N, Bendo N, Bharari N, Bharari Nala, Bhurgoger N, Bhurkund N, Bichhri N, Bijaghat Nala, Burhi Nadi, Champajharia Nala, Danrpani Nala, Dobhjharia Nala, Dorki Nadi, Gera Nala, Ghughri N, Ghughri Nadi, Hurduijhariya N, Ib River, Ibrakachhar Nala, Jhikki Nala, Joraborga Nala A, Kachhar Nala, Kadamkachhar Nala, Kandidoba Nadi, Kandora Nala, Kapari Nala, Kaptura N, Kasjora Nala, Kenjharia Nala, Khamgara Nala, Kharung N, Kharung Nala, Kokiya Nala, Kurmeth Nala, Kutwa Nala, Laram Jharia Nala, Laranga N, Ledrajhiria Nala, Machkand N, Maini River, Mand River, Mankakunda N, Orajharia N, Pahaladomor N, Pendra Nala, Rajpuri N, Siri Nadi A, Siri Nadi B, Sonajori N, Sonmuth N, Talda N, Tangarjori N, Tara N, Tumbajor Nala, Uthiyal Nala, Utial Nadi

S No.	District	State	Named Rivers [km]	Total River Length [km]	River Name
20	Janjgir - Champa	CG	28	477.60	Bhalwahi N, Borwa N, Chautariya Nala, Chhirk Nala, Chhuan N, Dhawari Nala, Gangdei Nala, Gurhwa Nala, Hasdeo River, Jamiria Nala, Jobi Nala, Kanji Nala A, Kanji Nala B, Karra Nala B, Karra Nala C, Kokri Nala A, Kostiya Nala, Kotri Nala C, Liagar Nadi, Mahanadi River, Pawai N, Phunki Nala, Rajapara N, Ranai Nala, Seonath Nadi, Son Nadi A, Tengna Nala C, Utiyail N
21	Jharsuguda	OD	22	391.73	Bagdia Jhor, Balijori Jor, Basundhara Nala, Bhedan River, Bhurka Jor, Bichna Nala, Brahmani Nala A, Chhote Kelo River, Damakunta Nala, Dangar Jor, Deodarha Nala B, Ghuradigha Jhor, Hathia Nala, Ib River, Jambu Nala, Kelo River, Kur Nala, Lilari Nala, Mahanadi River, Rabadega Nala, Sapal River, Thelia Nala
22	Kabeerdham	CG	60	1296.21	Agar River, Banjari Nala C, Banjari Nala D, Bar Nala B, Bijajhori Nadi, Bokramuri Nala, Budhwarajhori Nala, Chhapparwa Nala B, Chhuiha Nala, Chitanar Nala, Chitawar Nala C, Chochra Nala, Daidall N, Damau Nala, Damgarh Nala, Datilha Nala, Dotu Nala, Garaniya Nala, Ghoghra Nala C, Guru Nala, Hagriya Nala, Hanp River, Jalda Nala, Jamjhor Nala A, Jhipaniya Nala, Karra Nadi, Karra Nala A, Karra Nala D, Karua Nala A, Karua Nala B, Kauhzhjhor Nala, Kerapani Nala, Khairi Nala, Kharkharia Nala, Khokhna N, Khudar Nala, Kilila Nala, Koyalari Nala, Kurei Nala, Kurra Nala, Kuwari Nala, Lokhan Nala, Ltlyail Nala, Machkundna Nadi, Mohpar Nadi, Mohrangia Nala, Murkati Nala, Nagjhor Nala, Narbada Nala, Nira Nala, Pathri Nala, Phonk Nadi, Pipraha Nala, Rahan N, Sakri Nadi, Salia Nala, Taktoiya Nala, Temru Nala, Tesua Nadi A, Utani Nala
23	Kandhamal	OD	96	1379.51	Aliguda Nadi, Bagh Nadi, Bakaroata Nadi, Balapkari Nadi, Balung Jhor, Banda Jor A, Barakuhali Nala, Barhajor Nadi, Buda Jor, Burha Nadi A, Burha Nadi B, Burtanga Nadi, Burtanga Nala, Chahali Nala, Chauldhua N, Daberbandha Jor, Dalabali Nala, Dambaiari Nala, Damdoi Nala, Dandir Nala, Dandra Jhor, Digikdi Nadi A, Digikdi Nadi B, Draga Nadi, Dukuljori Nala, Dulu Nadi, Dumdi Nadi, Dumikia Nala, Gandharagmha Nala, Garara Nala, Gerhinjori Nala, Ghandukl Nadi, Gidagosapa Nala, Gohibali N, Gohibali Nadi, Gugamaha Nala, Gumadi Nadi, Gumarhi N, Jagrhi Gadaa A, Jagrhi Gadaa B, Kalara Nala, Kaliganga Nadi, Kaliperi Nadi, Kandibandha Jhor, Kandra Nala, Kapapalli Jor, Karandi Jhor A, Karapeta Nala, Kariajura Nala, Karijari Nala, Katramala Nala, Kerangiholi Nala, Kerasai Nala, Keria Jor, Keta Jhor, Kharag River A, Kharag River B, Kindangi Jori, Kirimala Nala, Kranda Jhor, Kusumapali Nala, Lakshmi Nala, Lotemaha Jor, Ludang River, Mahabandra Nadi, Mahi Jor, Malikpathar Jhor, Maraghat Nadi, Mariketta Nala, Mundikia Jhor, Nakinmaha Nala, Orhakorha Jor, Orhasha Nala, Paherreju Nala, Pichala Jor, Pila Salki Nadi A, Pila Salki Nadi B, Pundali Jor, Rada Nadi, Raul River, Salki Nadi A, Salki Nadi B, Saolli Nala, Sarliketa Nala, Seska Jor, Singadruga Nadi, Singudaranga Nadi, Sirapangr Nadi, Sitabandha Nala, Sunamudi Nadi, Sunamudi Nala, Sundiaja Jorhi, Talu Jorhi, Tamba Jor, Tikapata Nala, Utai Nadi

S No.	District	State	Named Rivers [km]	Total River Length [km]	River Name
24	Kalahandi	OD	70	1362.95	Balada Jor, Balu Jor, Banda Jor A, Barhabahal Jor, Behera Nadi A, Behera Nadi B, Bhatra Jor, Bohera Jor, Burha N, Burha Nadi A, Chauldhua N, Chhochangar Nala, Degari Nadi, Deran N, Dhanaramal N, Dokardhara Nadi, Gaidhar Nadi, Ganga Jor, Gangadevi N, Gobarpalli Nala, Gunadi Nala, Haiur Jor, Hansai Jor, Hatti Nadi, Hatti River, Indra or Udanti River, Jhalia Nala, Jhiling Jor, Joliya Nadi, Kaliganga N, Kamal Nadi, Kamari Jor, Khalan Jor, Kiapadaras Nala, Kusum Jor A, Lakshmi Jor A, Lamri Jor, Liti Jor, Ludang River, Lue Jor, Mahajal N, Mali Jor, Malmalli Jor, Mangala Jor, Maskuti Jor, Matul Jor, Moter Nadi, Mundia Nadi, Mundra Nadi, Murali Jor, Mutura Nadi, Nagaldih Nala, Palas Nadi, Pharamura Jor, Pidabai N, Pipal Nadi, Pirechu N, Ranagar Nadi, Raul River, Ret Nadi, Samanghat Nala, Sarabara Jor, Shagarha Nadi, Shagarha Nala A, Shagarha Nala B, Sundul R, Tel River, Udanti Nadi, Udaygiri N, Utai Nadi
25	Kanker	CG	27	471.71	Ama Nala A, Chhinar Nadi, Dhansari Nadi, Dudh Nadi, Garhiya Nala, Ghorajhar Nala, Hatkul Nadi, Jhura Nadi A, Jhura Nala A, Jhura Nala B, Jhura Nala C, Kanagaon Nadi, Katandongri Nala, Kukrel Nadi, Lingdhara Nala, Mahanadi River, Markatola Nala / Charama Nadi, Nakti Nadi B, Nani Nadi, Patharri N, Phuljhariya Nala, Salariya Nadi, Sendur Nadi A, Sihari Nala, Telin Nala, Thandla Nala, Turi Nadi
26	Kendrapara	OD	18	392.98	Akharhashali Nadi, Angara Jor A, Baghuni Nadi, Barandia N, Budhajori Nala, Chitrotpala Nadi, Gobari Nadi A, Gobari Nadi B, Guptagiri Nadi, Gupti Nadi, Mahanadi River, Nuana Nadi C, Nuna Nadi A, Nuna Nadi B, Paika River, Patnali Nala, Sankrupa Jor, Sonakhoda Nadi
27	Khairagarh Chhuikhadan Gandai	CG	29	605.92	Amner River, Baghdwar Nala, Baigin Nala, Baiha Nala A, Baiha Nala B, Chochra Nala, Dalli Nala, Gandaijhor Nala, Gardinar Nala, Kadam Nala, Karra Nala A, Kashi Nala, Kerapani Nala, Kukrapath Nala, Kulhi Nadi, Kulhuri Nala, Lamni Nala, Mandikhol Nala, Moti Nala B, Moti Nala D, Mundi Nala, Muska Nala, Narbada Nadi, Narbada Nala, Natbela Nala, Pipariya Nala, Piprahi Nala, Surhi Nadi, Tongahi Nala
28	Khordha	OD	34	439.05	Bali N, Bardoba Nadi, Bhargabi River A, Champadhar Nala, Chatra Nala, Daya River, Dhanua Nadi, Dutlal Dhara Nadi, Gangua Nala A, Gangua Nala B, Harha N, Jhamka Nala, Kadua N, Kaintha Nala, Kankarha Jhara, Kansari Nadi, Kantabania Nadi, Koyakhai River, Kumbhi Nadi, Kushabhadra Nadi, Kusumi Nadi B, Kusumi Nadi C, Mandakini Nadi, Mandakini River, Mangaljit Nala, Marka Nadi, Narsingh Nala, Patia Nadi, Prachi Nadi, Rajua River, Rana Nadi, Ratanchira Nadi, Sasangdhar Nadi, Shalia Nadi
29	Kondagaon	CG	8	89.84	Ama Nala A, Atara Nala, Ghorajhar Nala, Ghutbera Nala, Hatkul Nadi, Lingdhara Nala, Sita Nadi, Turi Nadi
30	Koriya	CG	33	339.09	Baniya Nadi, Bijauri Nala, Chhuhiya Nala, Daldaliya Nala, Daukabura N, Devi Dham N, Dhanuhari/Karar Nala, Dhungadonga Nala, Dulhaniya Nala, Gatijhariya Nala, Gatti Dhora N, Gej Nala/Nadi, Ghughra N, Ghunghutiya N, Gonincha Nala, Gorghela Nala, Gorindhodhi N, Halphali N, Hasdeo River, Jhunka N, Kardha Nala, Khar Nala, Kudra Nala, Kunka Jhrariya Nala, Kuson Nala, Lamsihao Nala, Lamti Nala, Marghatiya Nala, Nakti Nadi A, Nonjhari Nala, Silphorwa Nala, Soi Nala, Sunru Bhunru Nala

S No.	District	State	Named Rivers [km]	Total River Length [km]	River Name
31	Korba	CG	137	2072.08	Aharan Nadi, Ama Nala I, Andharjhiriya Nala, Anjan Nala, Aonra Nala, Baghmaru Nala, Bajnai Nala, Bakai Nala, Balguriya Nala, Bamhni Nala, Bamni Nadi/River/R, Bananjhiriya Nala, Bandhi Nala, Bandhulara Nala, Bansajhad Nala, Barajhiriya Nala, Bating/Bel Nala, Belgari Nala, Bendo Nala B, Bendo Nala C, Bhainsajhiriya Nala, Bhainsapathar Nala, Bhainspar N, Bhalgur Nala, Bijakharra Nala, Bisrar Nala, Bora Nala, Borai Nadi, Borai Nadi/Chutatiya Nala, Bundela Nala, Chama Nala, Chhata Nala, Chhoti Chornai Nadi, Chindai Nala/Nadi, Chirur Nala, Chornai Nadi, Chuhiya Nala, Chuiya N/Chulya Nala, Dhajag Nala, Dhawan Nala, Dhengu Nala, Dhobni Nala, Dhoka Nala, Diwan Nala, Dom Nala B, Gaddijhiriya Nala, Gadgada Nala, Gaga Nala, Gandhar Nala, Gandhar/Lamti Nala, Gangdei Nala, Ganjar Nala, Gej Nala/Nadi, Ghincha Nala, Ghodawa Nala, Ghogra Nala, Gogi/Togi Nala, Goknai Nala, Golharjhari Nala, Gopal Nala, Gorma Nala, Gunjan Nala, Hasdeo River, Hathi Nala, Jatashankari Nadi, Jewas Nadi, Jhajhghaghar Nala, Jhari Nala, Jhinga Nala, Jhiriya Nala, Jhulna Nala A, Jogisurang Nala, Kachandi Nala, Kadal Nala, Kahua Nala, Kalewa Nala, Karijhiriya Nala, Karra Nala C, Karra Nala E, Karwar Nala, Katai Nala, Katori Nala B, Kauwa Nala A, Kharphari Nala, Kholar Nala, Kokma Nala, Korja Nala, Kortimasara Nala, Kosam Nala D, Kotri Nala E, Kurung Nadi, Labed N, Liagar Nadi, Machhlidhodhi Nala, Mahadejhiliya Nala, Malkan/Gorhni Nala, Manasi Nala, Mand River, Maniari Nala, Murdhowa Nala, Nakti Nala B, Pansari Nala, Papewa Nala, Parla Nala, Pathari Nala B, Pathor Nala, Patkorjhiriya Nala, Patpara Nala, Pawanakhra Nala, Pawasi Nala, Phulakdi Nala, Phulsar Nala, Pitni Nala, Portha/Putajhiriya Nala, Ranimar Nala, Rapta Nadi, Rokna Nala, Rumrabahar Nala, Sagri N, Saliha Nala, Samjhar Nala, Sarai Nala, Sarbahar Nala, Semarduware Nala, Son Nadi A, Sondi Nala, Soro Nala, Suarmal Nala, Sukhad Nala, Sundhara Nala, Supkonajhiriya Nala, Syang Nala, Tan Nadi, Tati Nala, Teti Nadi, Tonhi Nala, Tuma Nala
32	Mahasamund	CG	59	933.67	Ama Nala G, Bagdhorgi Nala, Bagh Nadi A, Bagh Nadi B, Bagnai Nadi, Bajari Nala, Bendri Nala A, Bhainsa Nala, Bhalmuchhi Nala, Bhalua Nala, Bichhla Nala, Billa N, Bomar Jhor, Chirar Nala, Chogra Nala, Deori Nala, Dhaskut Nala, Dhorki Nala, Ghorghari Nala, Gopiya Nala, Jam Nala, Joba Nala A, Jonk River, Kantori Nadi, Kantra Nala, Kapsakhuta Nala, Karmel Nala, Kauha Nala B, Keshwa Nala, Khandajari Nala, Kholti Nala, Khunti Nala, Kosam Nala A, Kuhler Jor, Kurar Nadi, Lath Nala, Lijar Nala, Machaka Nala, Machka Nadi, Mahanadi River, Makhmala Nala, Marghat Nala A, Murai Dhowa Nala, Murmuri Nala, Naini Nala, Natal Nala, Pandripani Nala B, Pitaha Nala, Rakha Nala, Raphta Nala, Sitli Nala, Sukha Nadi E, Sukha Nadi F, Sukhlai Nala, Surangi Nala A, Surangi Nala B, Tenduwahi Nadi, Tortori Nala, Urai Nala
33	Mohla-Manpur-Chowki	CG	6	134.41	Banduka Nadi, Dalekasa Nala, Gagora Nala, Jura Nala, Seonath Nadi, Tikadora Nala

S No.	District	State	Named Rivers [km]	Total River Length [km]	River Name
34	Manendragarh Chirmiri Bharatpur	CG	41	536.14	Anjan Nala, Bahera Nadi, Bahindola N, Balhi Dhar, Bamni Nadi/River/R, Baniya Nadi, Bhauta Nala, Bhulsa Narwa, Bijauri Nala, Bishalbora N, Budhra Nadi, Dhtineti Nala, Garaburi Nala, Gej Nala/Nadi, Gorghela Nala, Halphali N, Hasdeo River, Hasia N/R, Jhimar Dhar, Jura N, Karelidhar Nala, Kauriya Nadi, Khari Dhar, Kudra Nadi, Kudra Nala, Kulhariya/Nauwanar N, Kurjharia N, Kuson Nala, Lalmati Yapara Nala, Lohandduda Nala, Marghatiya Nala, Nakti Nadi A, Neori N, Puraur Nala, Ratwa Nala, Salo Ghoghara Nala, Sawala Naiwa Nala, Sonbarsa Nala B, Sukhad Nala, Tedma Nala, Tura Nala
35	Mungeli	CG	61	1043.47	Agar River, Ama Nala H, Ama Nala J, Amadob Nala, Amanara Nala, Baghaiha Nala A, Baghaiha Nala B, Bankai Nala, Banwari Nala, Bendri Nala B, Bendri Nala C, Bherua Nala, Bhuku Nala, Bhulkadih Nala, Bijra Nala, Binjhra Nala, Bisoni Nala, Chakda Nala, Chhaparwa Nala A, Chhirhatta Nala, Chikhiapani Nala, Dudhari Nala, Gabda Nala, Gandewapani Nala, Ghongha Nadi, Jhigiya Nala/Bhuku Nala, Jhori N, Kanhaiya Nala, Kanheiya Nala, Katori Nala A, Khokhna N, Koilar N, Kotri Nala D, Koyalar Nala, Linjua Nala, Lotan Nala, Maniari River, Mati Nala, Mohpar Nadi, Mohrangia Nala, Nagihori Nala A, Nagihori Nala B, Palmi Nala, Rahan N, Railakhani Nala, Raksa Nala, Ranjki Nala, Sarapani Nala, Saresh Nala, Sargari Nala, Satiama Nala, Seonath Nadi, Sidrkhati Nala, Sukhnai Nala, Sunari Nala, Surhi Nala, Talaidabra Nala, Tesua Nadi A, Tesua Nadi B, Turturia NALA, Varma Nala
36	Nabarangapur	OD	37	439.25	Banjari Nadi A, Banjari Nadi B, Bara Temara Nala, Barhi Nala, Bari Nadi, Barlam Jhor, Belpanjor Nadi, Betjharar N, Bhata Jhor, Chhaila Nadi, Dokardhara Nadi, Doraman Nala, Dumajori Nadi, Gadlagar Nala, Garanji Nala, Golari Nala, Gumamihari Nala, Hatti Nadi, Jharipani Nadi, Jiganshil Nala, Jodiyan Budki Nala, Joramb Nala, Kamal Nadi, Kebarijhari Nala, Kharipani Nala, Kokjor Nala, Korakhal Nadi, Mangardhara Nadi, Moter Nadi, Padam Jhor, Palas Nadi, Patan Nadi, Sondur Nadi, Tel River, Thipa Nadi, Thora N, Udanti Nadi
37	Nayagarh	OD	52	758.45	Anakapalli Nala, Baghemari Nala, Balgania Nadi, Bali N, Baranalia Nala, Bardoba Nadi, Barha Nala, Bhikeitota Nala, Bhimakandha Nala, Bosalia Nala, Burtanga Nadi, Dadarisahi Nala, Dalua Nadi, Dauka Nadi, Duanta Nadi, Duanta Nala, Harha N, Kaligiri Nadi, Kalua Nala, Kankara Jhor, Kankarha Jhara, Kendua Nala, Kerandi Nala, Khalakhala Nala, Khali Nala, Khatian Nala, Kuanria Nadi, Kuanria Nala A, Kuanria Nala B, Kukuni N, Kusumi N, Kusumi Nadi A, Langalkhola Nala, Lapari Nala, Lunijhara Nadi, Mahanadi River, Mainshia Nala, Maiua Nadi, Mandakini Nadi, Mangaljit Nala, Meragarhia Nala, Morhanala Nadi, Munijhar Nala, Naga Jor, Nagajhara Nala, Padal Jor, Pagoda Nala, Patuli Nala, Purunapani Nala, Sasangdhar Nadi, Sunamunhi Nala, Tinibanka Nala

S No.	District	State	Named Rivers [km]	Total River Length [km]	River Name
38	Nuapada	OD	51	818.10	Ainlar Jor A, Ainlar Jor B, Ama Nala F, Amdarha Jhor, Angara Jor B, Arjunjharia Nala, Awalamunda Nala, Bagiharan Jor, Bandhan Nala, Barmura Nala, Bhainsa Jor, Bhainsmura Nadi, Bhursi Nala, Bisora Nala, Brahmani Nala, Burgel Nala, Chaka Nala, Datoi Jor, Dhangri Jor, Dhosar Jor, Dokidhara Nala, Domuhani Nala, Gaudhas Nala, Ghoghar Nala A, Gurmajor Nala, Hilarchua Nala, Indra Nadi, Indra or Sunder Nadi, Jema Jharan Nala, Job Nala, Jonk River, Khaimunda Jhor, Khajran Nala, Kharkhara Nala A, Kharli Nadi, Kholijharia Nala, Kusum Jor C, Mahra Nala, Masanakunda Nala/Karra Nala, Natal Nala, Pila Nadi, Sanaj Jor, Semeria Nala, Serpan Jor, Silda Nala, Singidarha Nala, Son Nadi B, Sukari Nala, Sundar Nadi, Talbuchhi Nala, Udanti Nadi
39	Puri	OD	34	690.78	Balijhori Nadi, Bhargabi River A, Bhargabi River B, Bhunria Nadi, Daya River, Devi River A, Devi River B, Dhanua Nadi, Dhaurhia Nadi, Gangua Nala A, Kadua N, Kadua Nadi A, Kadua Nadi B, Kadua Nadi C, Kanak Nala, Kansari Nadi, Kantabania Nadi, Khalajhor Nadi, Kushabhadra Nadi, Kushabhadra River, Kusumi Nadi C, Mandakini River, Marka Nadi, Nagar Nadi, Nuanal Nadi, Nun River, Nuna River, Patia Nadi, Prachi Nadi, Rajua River, Ratanchira Nadi, Sasan Nala, Seju Nala / Barada Nadi, Shalia Nadi
40	Raigarh	CG	106	1465.72	Baaaijhana Nala, Bagai Jharia Nala, Banjari Nala F, Barade Nala, Barkha Nala, Bendo Nala A, Bendra Nala, Bhaluahi N, Bhalumura Nala, Bharari N, Bharari Nala, Bhendra Nala, Bhengari Nala, Bodojuri Nala, Bojia Nala, Borai Nadi, Borai Nadi/Chutatiya Nala, Chapta Nala, Chhata Nala, Chhote Kelo River, Chini N/Nala, Chui Nala, Churiphora Nala, Damchua Nala, Danochua Nala, Dantar Nala, Derighoghra Nala, Dewanmunda Nala, Dewari Nala, Digi Nala, Doliva Nala, Dom Nala A, Gardharasi Nala, Gerwanl Nala, Ghoghara Nala, Gina Jhiria, Gokhara Nala, Gopal Nala, Hathi Jhiria A, Hathi Jhiria B, Hinjharkhol Nala, Jarnuna Jhiria, Jhampi N, Jharia Nala, Joba Nala B, Jobanar Nala A, Jobanar Nala B, Joganchhaten Nala, Kakalmuhan Jhor, Kamrel Nala A, Karanara Nala, Kasaia Nala, Katanganara Nala, Kauha Nala A, Kelo Nadi, Kelo River, Kesh Nala, Khadun Nadi, Khalmura Nala, Khardhova Nala, Khardoan Nala, Kharung Nala, Khurusalega Nala, Kiria Nala, Koerga R, Koladega Nala, Kondrider Nala, Kopar Nala, Korapali Nala, Korja Nala, Kosam Nala C, Kur Nala, Kurket River/Nadi, Laram Jharia Nala, Litiburra Nala, Machhandhap Nala, Mahanadi River, Mand River, Mardal Nala, Mondari Nala, Pajhar Nadi, Pandnpani Nala, Pathari Nala A, Pathor Nala, Pawasi Nala, Portha/Putajhiriya Nala, Ramjharan Nala, Ranal Nala, Ranidarha Nala, Ratrot Nala, Runlakhar Nala, Safighat Nala, Sako Nala, Samarsuta Nala, San Nadi, Sangul Nadi, Sanpkhar Nala, Sapnai Nala A, Sapnai Nala B, Sariya Nala, Smijhariya Nala, Sukhia Nala, Tedipara Nala, Tenda Nala, Tumba Nala, Upka Nala
41	Raipur	CG	19	425.77	Bagbura Nala A, Banjari Nala A, Banki nala, Chhokra Nala, Deorani Jethani Nala, Gadaria Nala, Gidla Nala, Jumuniya Nadi A, Jumuniya Nadi B, Kharun River, Khorsi Nala, Kulhan Nala, Mahanadi River, Nangawan Nala, Patalu Nala, Patthra Nala, Sakti Nala, Sanghari Nala, Seonath Nadi

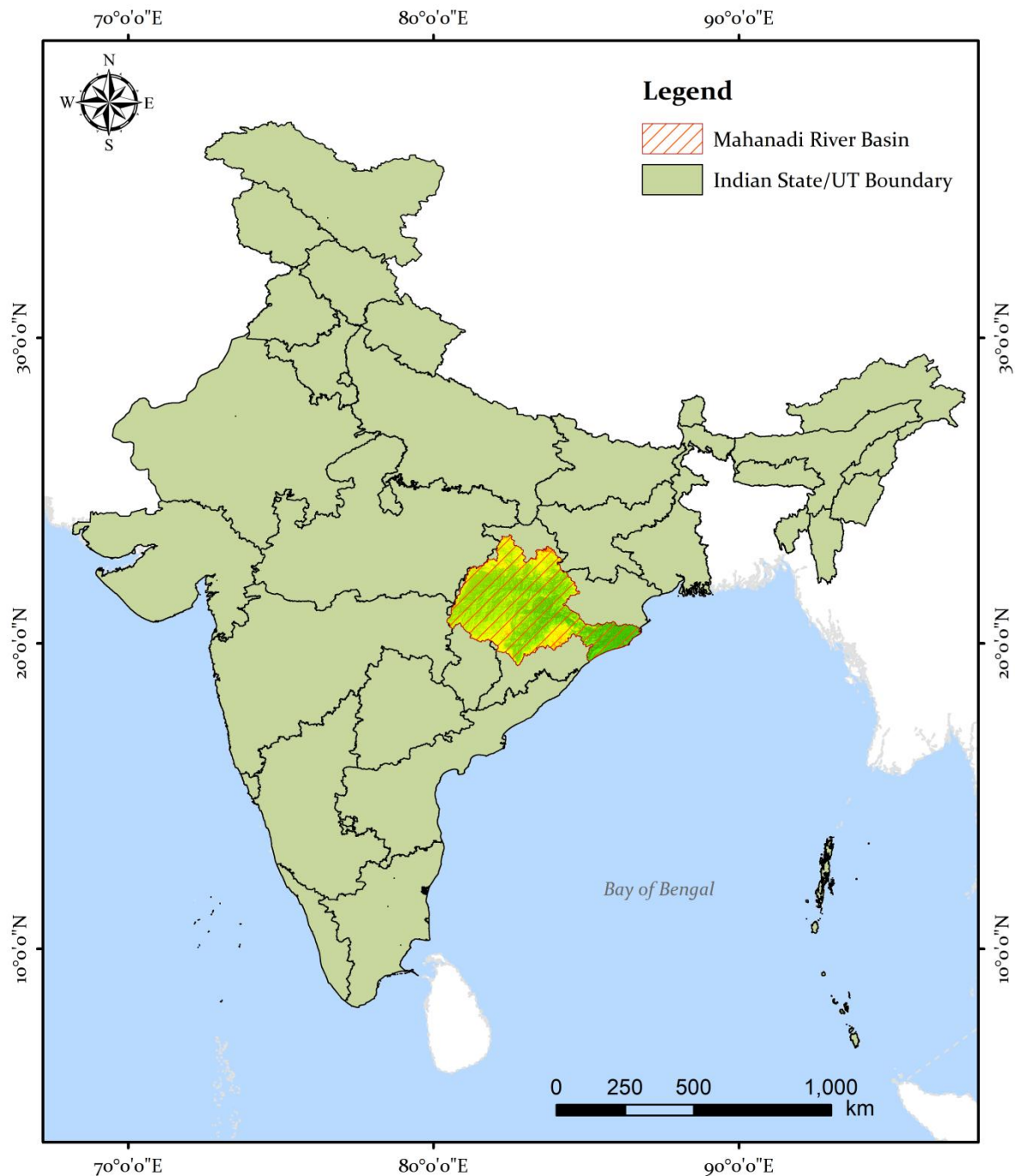
S No.	District	State	Named Rivers [km]	Total River Length [km]	River Name
42	Rajnandgaon	CG	22	511.82	Baghdwar Nala, Baiha Nala A, Baiha Nala B, Bhimseni Khoj N, Chhipa Nala, Dalekasa Nala, Dhardhara N, Ghumariya Nadi, Gudguda Nala, Jhariya N A, Jhura Nadi C, Kharkhara Nadi/R, Kohlakasa N, Kulhi Nadi, Moti Nala A, Musmarka Nala, Parri Nadi, Peteshri Nadi, Rupakathi Nala, Semra Nala, Seonath Nadi, Terhi Nadi
43	Rayagada	OD	1	13.26	Pirechu N
44	Sakti	CG	24	408.49	Badhwa N, Bajanti N, Bangan Nala, Borai Nadi/Chutatiya Nala, Dhenka N, Ghatoi Nala, Gurhwa Nala, Kamrel Nala A, Kamrel Nala B, Karranara Nala, Karwar Nala, Katiya N, Kotari Nala, Kotri Nala B, Lami Nala, Mahanadi River, Mand River, Pathari Nala A, Ranai Nala, Sapnai Nala A, Singhenchuwa Nala, Son Nadi A, Sonbarsa Nala A, Usar N
45	Sambalpur	OD	67	1253.34	Andhahar Dhara, Bacha Jhor, Bambu Jor, Bankteshwar Nala, Baunsha Nala, Bhedan River, Bhutela Jhor, Chamti Jhor, Chandra Nala, Dantri Nala, Dhaura Jhor, Doincha Nala, Ganda Nala, Gohiri Jhor, Harad Jor, Harad Nadi, Harihar Jor, Hathia Nala, Hogri Nala, Ib River, Jaindaiah Nala, Jamdhar Nala, Jamjuri Nadi, Jharla Jhor, Jhul Jhor, Kadagoda Nala, Kajail Nala, Kalpa Nala, Karandi Jhor B, Khalkhalia Nala, Khanda Jhor, Kharla Nala, Kichna Nala, Kukurbura Nala, Kuliari Jhor A, Kusum Jor B, Lalmura Jhor, Lamdora Nala, Lamtidarari Nala, Lohranga N, Mahanadi River, Makarkura Nala, Malti Jhor, Matwali Nadi, Mukteshwar Nala, Munaki Nala, Naikni Nala, Pandel Nala, Pipli Jhor, Porpota Nala, Purhokata Nala, Rabadega Nala, Ratadei Nala, Ratakhandia Nala, Rengal Jhor, Salesingha Nala, Sankarandi Jor, Sankhabhanga Nadi, Sapal Nadi, Sara Jhor, Sial Jhor, Sian jhor, Siri Nala, Sukha Nadi A, Surubali Jhor, Telkani Nala, Thabko Jharan
46	Sarangarh-Bilaigarh	CG	28	514.11	Billa N, Chhipri Nala, Dharkata Nala, Gayasagar Nala, Ghoghra Nala A, Gorba N, Jamri Nala, Jira River, Katang Nala, Kauha Nala B, Kenkamandi Nala, Kholti Nala, Kinkari Nala, Kundi Nala A, Lath Nala, Lijar Nala, Mahanadi River, Malka N, Malka Nala, Marsoili Nala, Pandripani Nala B, Putka Nala, Samardarha Nala, Sukha N, Tera Nala B, Terhi Nala, Tibhuchua Nala, Tundri N
47	Subarnapur	OD	31	565.75	Angara Jor C, Baingni Jhor, Balla Katta Nalla, Banji Jhor, Barjor Nadi, Bauri Jhor, Brahmani Nala B, Chauki Nala, Dahni Nadi, Dhama Jhor, Gariya Nala, Ghungni Jhor, Hardoman Nadi, Harihar Jor, Jam Jor, Jira River, Jora Nala, Karandi Jhor B, Kulthi Jhor, Mahanadi River, Murmuri Jhor, Nibruti Nadi, Ong River, Pathar Kon Jhor, Pipli Jhor, Potemkonda R, Purnapani Nala, Salesingha Nala, Sukhtel River, Surubali Jhor, Tel River

S No.	District	State	Named Rivers [km]	Total River Length [km]	River Name
48	Sundargarh	OD	57	824.54	Andhahar Dhara, Baghnakh Jor, Balia Jor, Bandajor Nala, Bank Nadi, Basundhara Nadi, Basundhara Nala, Bendra Nala, Bhaina Jor, Bhedan River, Bichna Nala, Biljori N, Brahmani Nala A, Chingri Jharan, Daku Nadi, Damakunta Nala, Dangar Jor, Darangajor Nala, Drongipr Nala, Gahira N, Garia Nala, Ghorli Jor, Hathibandha Nala, Ib River, Ichhia Nadi, Jarnuna Jhiria, Jchhia Nadi, Kakura Nala, Kanju Nala, Karli Jhor, Kharla Nala, Khurusalega Nala, Kudharbuda Nala, Kunku Nala, Kur Nala, Lilari Nala, Lohranga N, Machanaior Nala, Masna Jor, Mohipani jor, Naram Jor, Pandri Jor, Porpota Nala, Sanbanda jor, Sapal Nadi, Sapal River, Sapnai Nala B, Saraswati N, Sihalijor Nala, Suthajhoria Nala, Talda N, Talda River, Tangar Jor, Thabko Jharan, Ustali Nadi, Utial N, Utial Nala
49	Surajpur	CG	38	371.00	Ama Pani, Atem Nadi, Baran Nala, Barhani Nala, Bichhli/Tikhur Ghonsa Nala, Chhribahri Nala, Churial Narwa/Sukhra N, Dhakwari Nala, Gara Silli N, Garjan Nala, Gej Nala/Nadi, Gerua Nala, Hasdeo River, Hindko Nala, Jatmer Nala, Jhink Nala, Jurahi Nala, Jurwani Nala, Kachhardoli/Dagmala Nala, Kachri Narwa, Karonda Dabra N, Khara Nakha N, Khukharaghat N, Kumeli Nala, Kur Dhonda N, Lohargarh N, Lohargarh/Satikhara Nala, Manasi Nala, Mariya Kachhar N, Nakti Nala C, Pahar Dabra N, Paladhodha N, Pankari Jhariya, Parari Pani, Pote Nanwa, Rampa Nala, Semarbahara N, Vijaura Nala
50	Surguja	CG	21	332.30	Alangijhariya N, Atem Nadi, Bagbahar Nala, Chewar Nala, Chhoti Chornai Nadi, Domni N, Gerua Nala, Jhinga Nala, Jhink Nala, Jurahi Nala, Kachar N, Koerga R, Kurmeth Nala, Mahadevmunda R, Maini River, Mand River, Nakti Nala C, Rumrabahar Nala, Saken Nala, Sohar/Turrapani Nala, Tukupani N

Note: Rivers or streams with a traversing length of *less than 1 km* within a district boundary have not been classified as major river features of that district. These minor channels have been excluded to ensure the inventory represents only the **substantive river systems** contributing to the district's drainage network.

BASIN INFORMATION

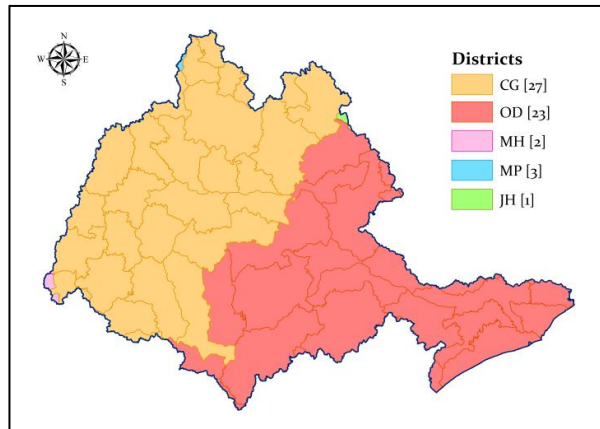
INDIA: ADMINISTRATIVE DIVISIONS (GEOGRAPHICAL)



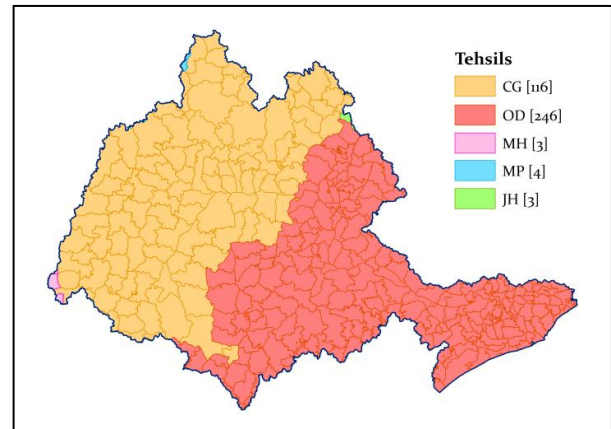
Source: Survey of India (SOI)

Figure 2: India Administrative Divisions (Geographical)

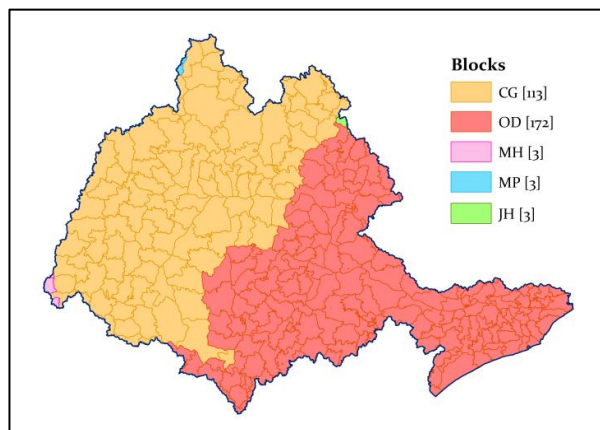
MAHANADI RIVER BASIN: ADMINISTRATIVE STRUCTURE



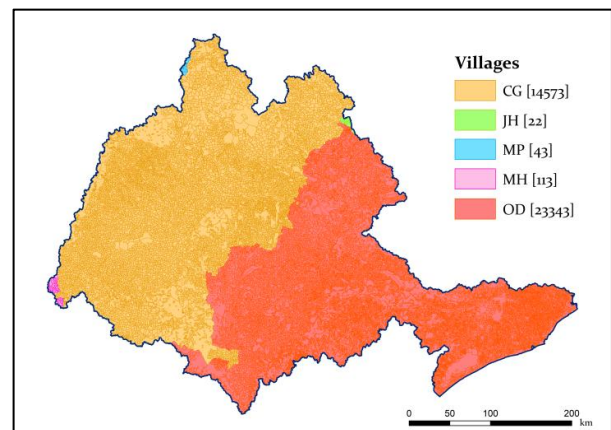
Districts: 56



Sub Districts: 372



Blocks: 294

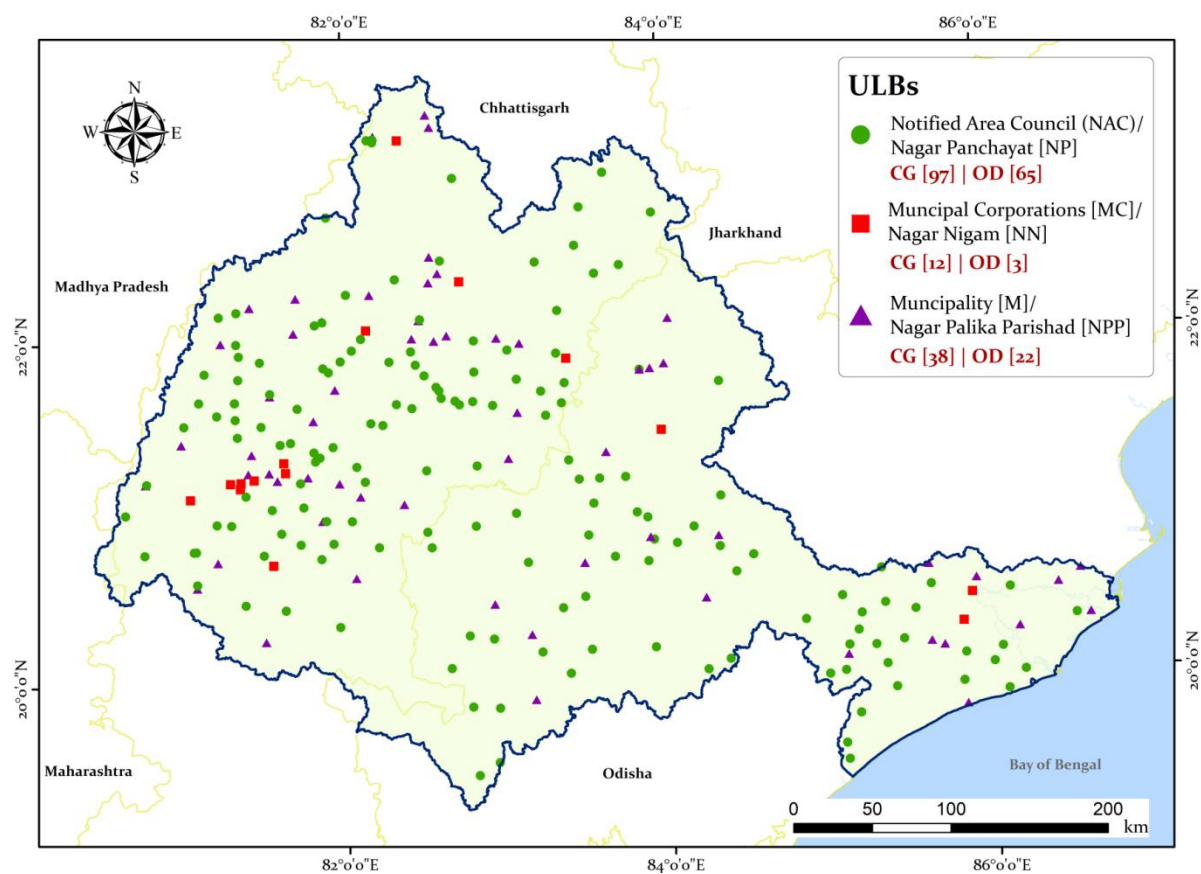


Villages: 38,094

Source: Survey of India (SOI)

Figure 3: Mahanadi River Basin Administrative Structure

MAHANADI RIVER BASIN: URBAN LOCAL BODIES (ULB's)



Municipal Corporations/Nagar Nigams	State
Bhilai	CG
Bhilai Charoda	CG
Bhubaneswar	OD
Bilaspur	CG
Birgaon	CG
Chirmiri	CG
Cuttack	OD
Dhamtari	CG
Durg	CG
Korba	CG
Raigarh	CG
Raipur	CG
Rajnandgaon	CG
Risali	CG
Sambalpur	OD

Source: Dept. of Urban Administration and Development, Govt. of (CG) and Dept. of Housing & Urban Development Govt. of (OD)

Figure 4: Mahanadi River Basin: Urban Local Bodies (ULB's)

MAHANADI RIVER BASIN: LAND USE LAND COVER (250K)

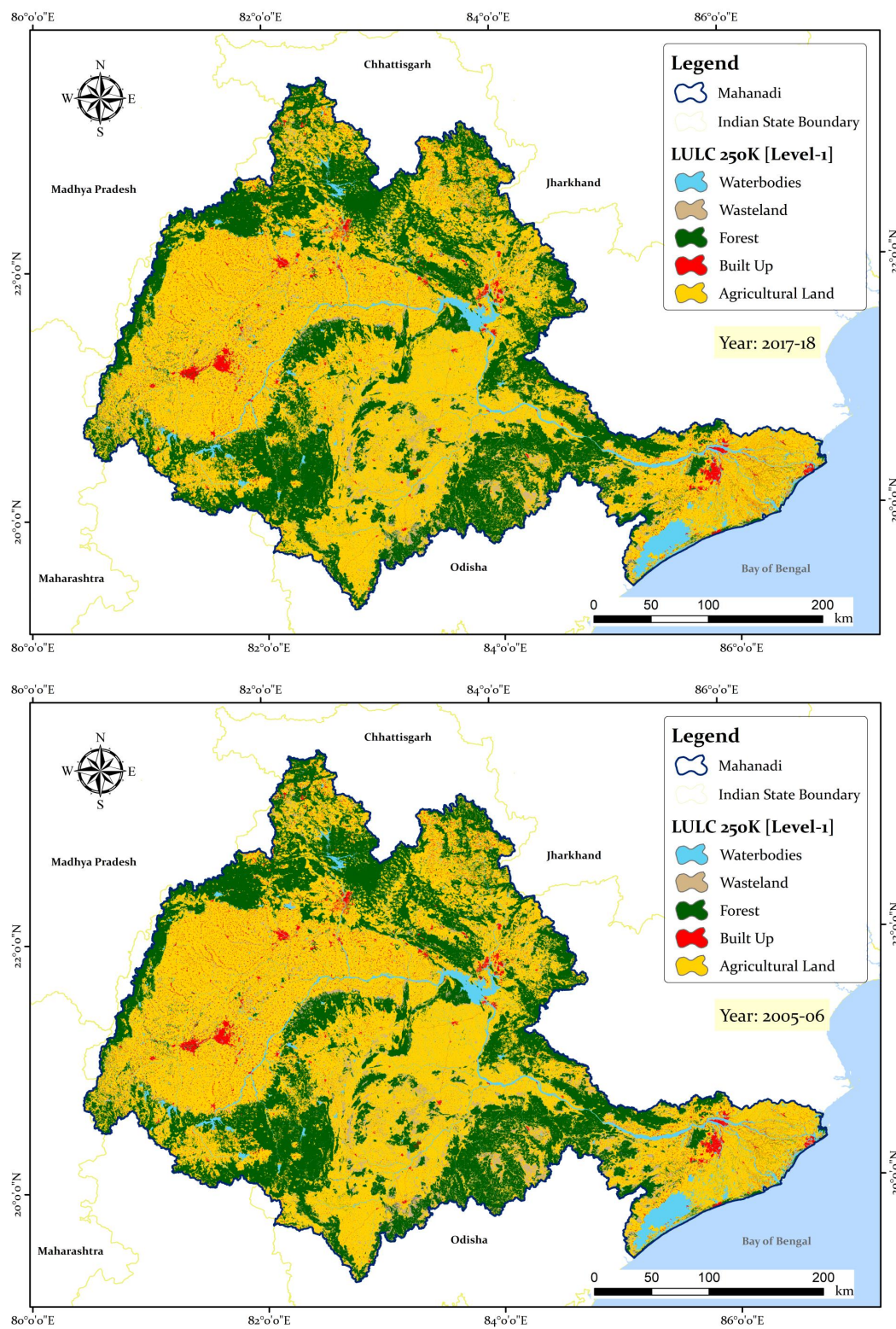


Figure 5: Mahanadi River Basin: Land Use Land Cover (250k Level-1) for the year 2017-18 & 2005-06

MAHANADI RIVER BASIN: GW LEVEL AND QUALITY STATION

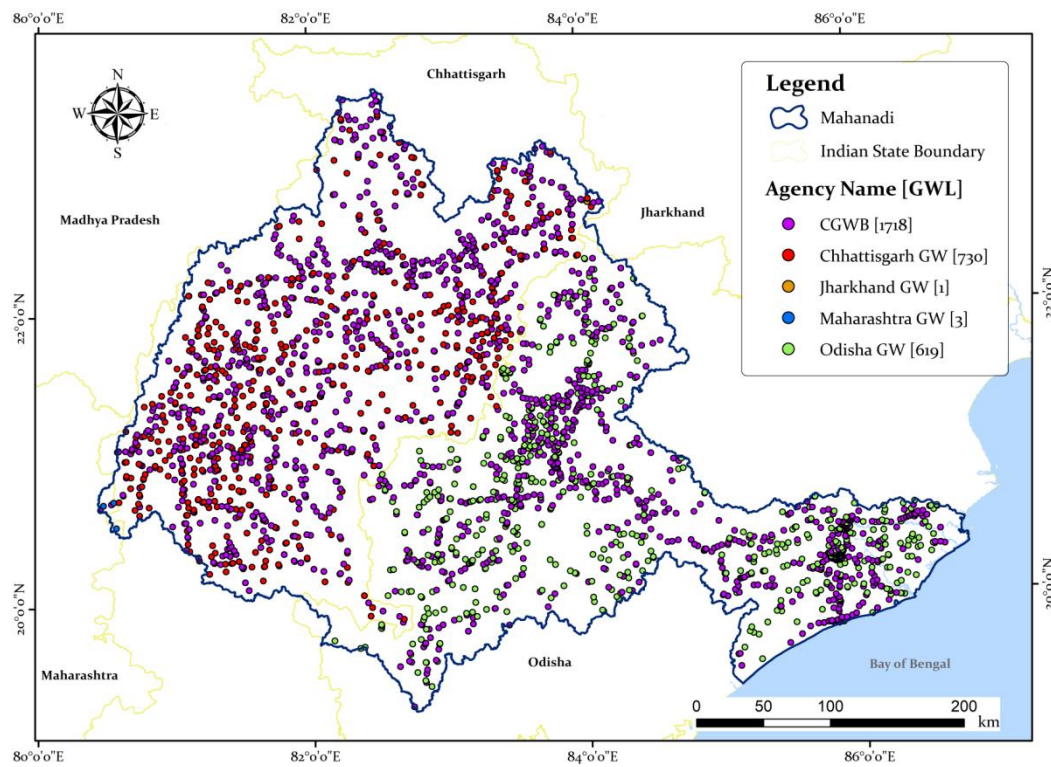


Figure 6: Mahanadi River Basin: Ground Water Level Station

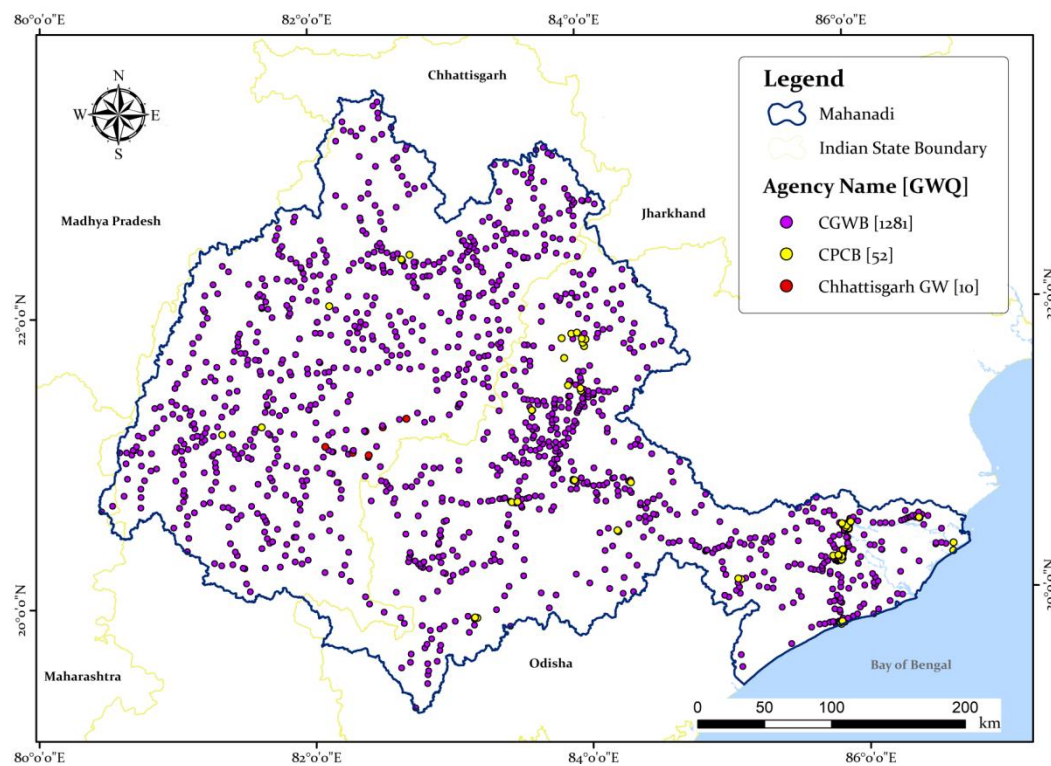
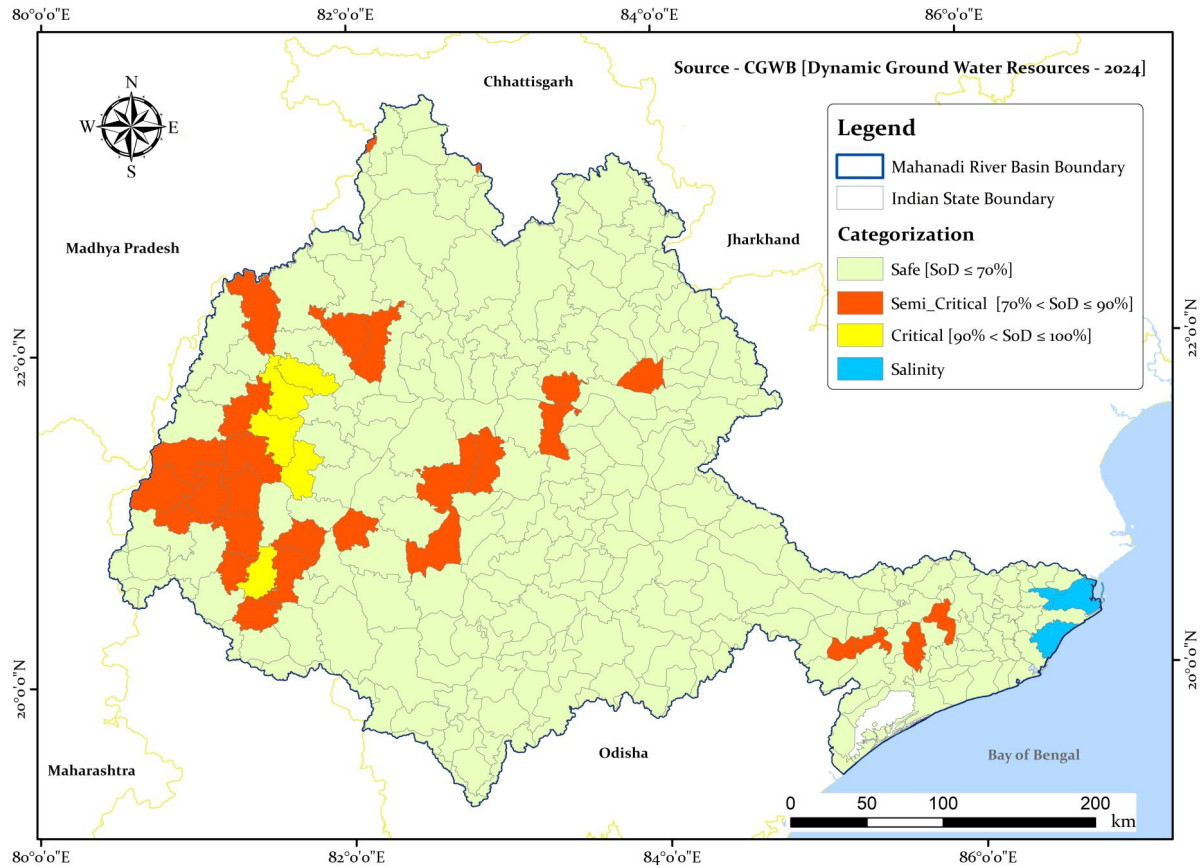


Figure 7: Mahanadi River Basin: Ground Water Quality Station

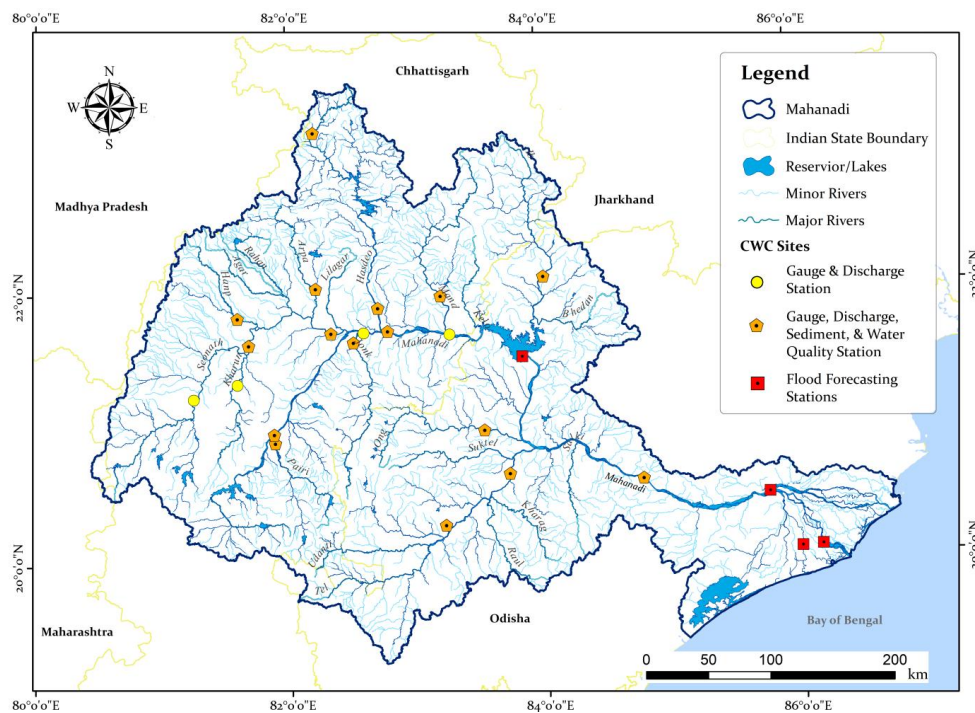
MAHANADI RIVER BASIN: Stage of Groundwater Development (%)



Blocks	SOD	State
Nawagarh	Critical [05]	CG
Bemetara		CG
Berla		CG
Dharsiwa		CG
Gurur		CG
Erasama	Salinity [03]	OD
Mahakalapada		OD
Marsaghai		OD

Figure 8: Mahanadi River Basin: [Block-Wise] Stage of Groundwater Development (%)

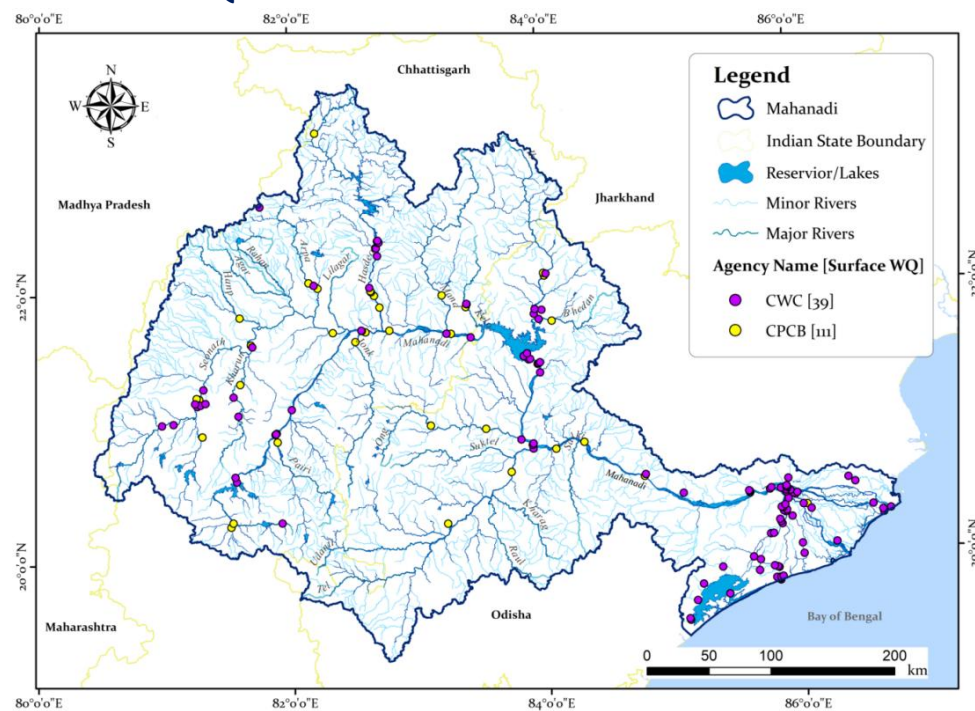
MAHANADI RIVER BASIN: CWC RIVER HYDROLOGICAL MEASUREMENT STATIONS/SITES



Source: National Water Informatics Centre (NWIC)

Figure 9: Mahanadi River Basin: CWC Sites

SURFACE WATER QUALITY STATIONS



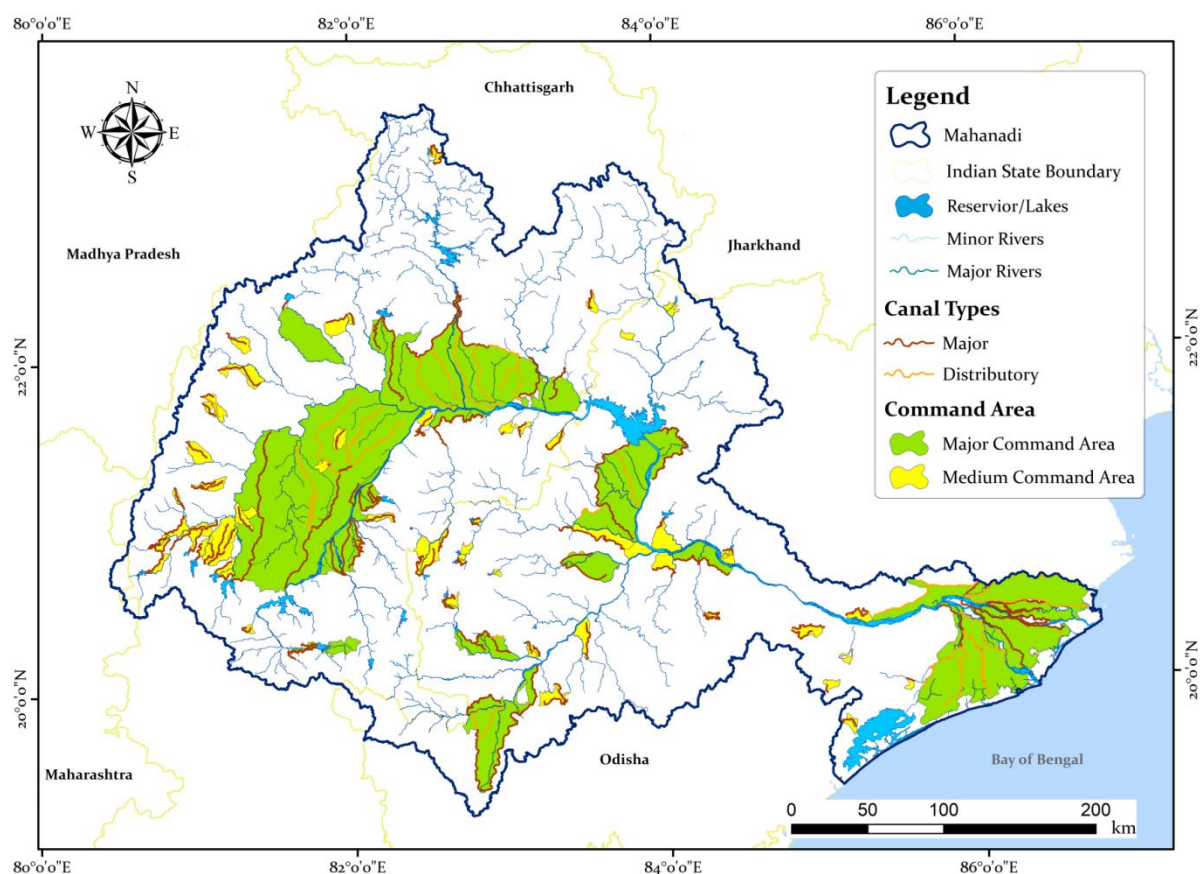
Source: National Water Informatics Centre (NWIC)

Figure 10: Mahanadi River Basin: Surface Water Quality Stations

MAHANADI RIVER BASIN AND ITS CANAL NETWORK

Canal Projects	
Total Length of Canal in Chhattisgarh State (km)	9956.93
Total Length of Canal in Odisha State (km)	7171.36
Total Length of Canal in MRB (km)	17128.30

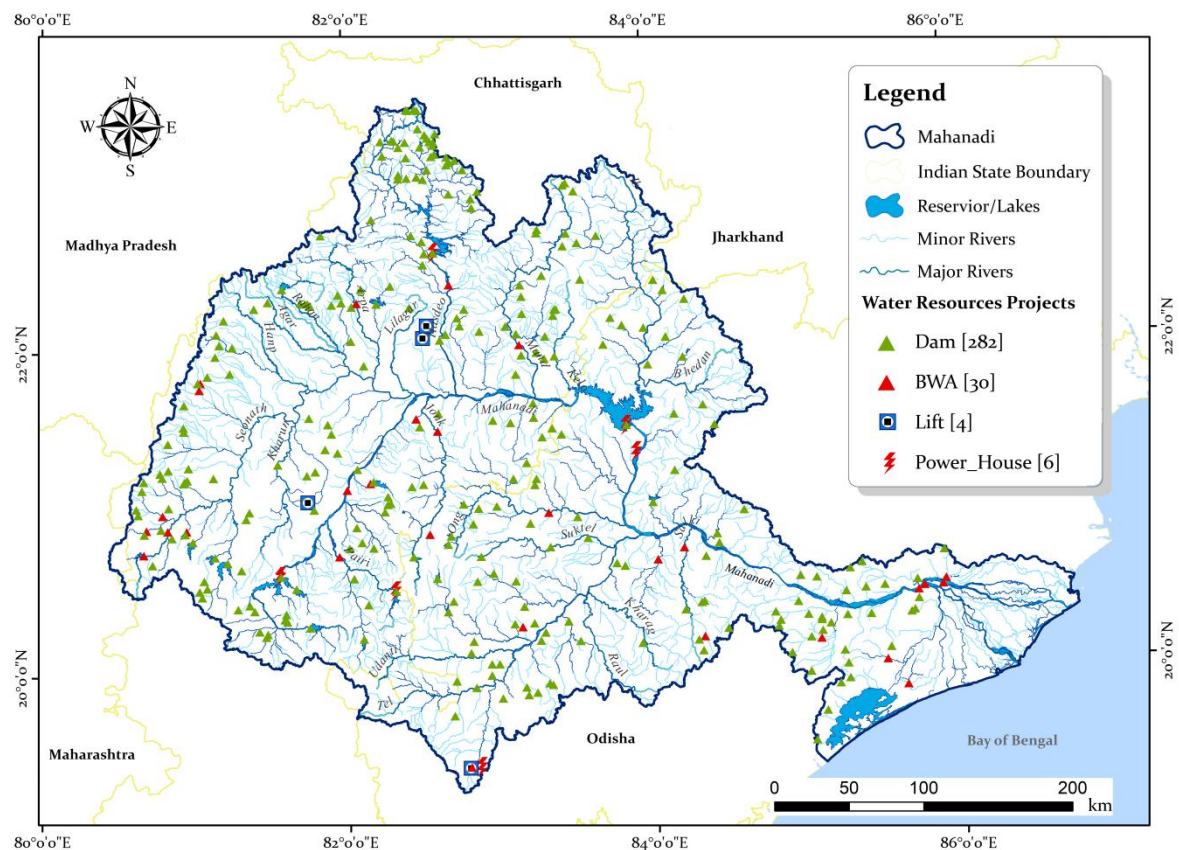
Command Area	Type	Area (Hactares)
Chhattisgarh	Major	1494160.404
	Medium	263702.9199
Odisha	Major	1345574.526
	Medium	191322.9313
Total Command Area		3294760.782



Source: National Water Informatics Centre (NWIC)

Figure 11: Mahanadi River Basin: Canal Network

MAHANADI RIVER BASIN: WATER RESOURCES PROJECTS



Source: WRIS

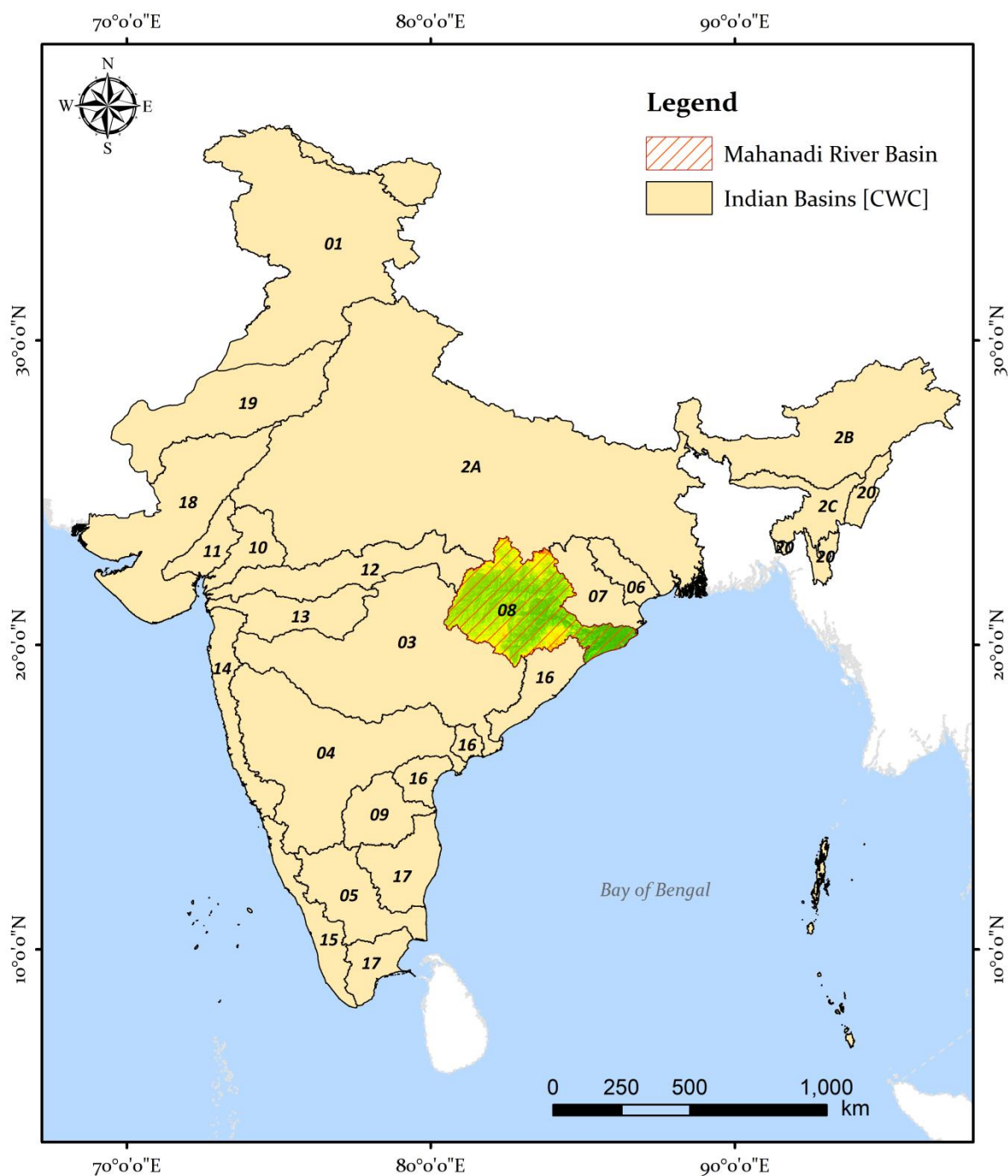
Figure 12: Water Resources Projects under Mahanadi River Basin

Table 3: Major Dams in Mahanadi River Basin and its tributaries

S No.	Name	Dam Length	Dam Height	River	District [State]	Nearest City	Lat.	Long.
1	Hirakud Dam	4800	60.96	Mahanadi	Sambalpur [OD]	Sambalpur	21.52	83.85
2	Minimata (Hasdeo) Bango Dam	554.5	87	Hasdeo	Korba [CG]	Katghora	22.61	82.60
3	Hasdeo Barrage	283.76	17.15	Hasdeo	Janjgir Champa [CG]	Korba	22.07	82.63
4	Ravishankar Sagar Dam	1246	31.57	Mahanadi	Dhamtari [CG]	Dhamtari	20.62	81.56
5	Lower Indra Dam	3780	22	Indra	Nuapada [OD]	Nuaparha	20.39	82.66
6	Sondur Dam	3177	24.26	Sondur	Dhamtari [CG]	Dhamtari	20.23	82.10

RIVER BASINS IN INDIA: LEVEL 1

A Level 1 basin is the land area drained by a main river and all its tributaries, defined by natural boundaries, typically ridges or elevated areas that direct water flow. In India, the major river basins categorized as Level 1 basins are listed by the Central Water Commission (CWC), as shown in the map below.



Source: CWC

Figure 13: Level 1 River Basins in India

Table 4: List of Level 1 Basins in India (As Listed by CWC)

Basin Code	Basin Name
1	Indus (Up to Indian Border)
2a	Ganga
2b	Brahmaputra
2c	Barak and others
3	Godavari
4	Krishna
5	Cauvery
6	Subernarekha
7	Brahmani and Baitarni
8	Mahanadi
9	Pennar
10	Mahi
11	Sabarmati
12	Narmada
13	Tapi
14	West-flowing rivers from Tapi to Tadri
15	West-flowing rivers from Tadri to Kanyakumari
16	East flowing rivers between Mahanadi and Pennar
17	East-flowing rivers between Pennar and Kanyakumari
18	West flowing rivers of Kutch and Saurashtra including Luni
19	Area of inland drainage in Rajasthan
20	Minor rivers draining into Myanmar (Burma and Bangladesh)

Source: CWC

MAHANADI RIVER BASIN: LEVEL 2

A Level 2 basin is a subdivision within a Level 1 basin, focused on a major tributary of the main river. These basins serve as distinct hydrological units within the larger river basin, enabling more localized analysis and management. Each Level 2 basin gathers water from its own network of smaller streams and channels, which ultimately contributes to the flow of the main river. A list of some of the major Level 2 basins within the Ganga Basin is illustrated in the map below.

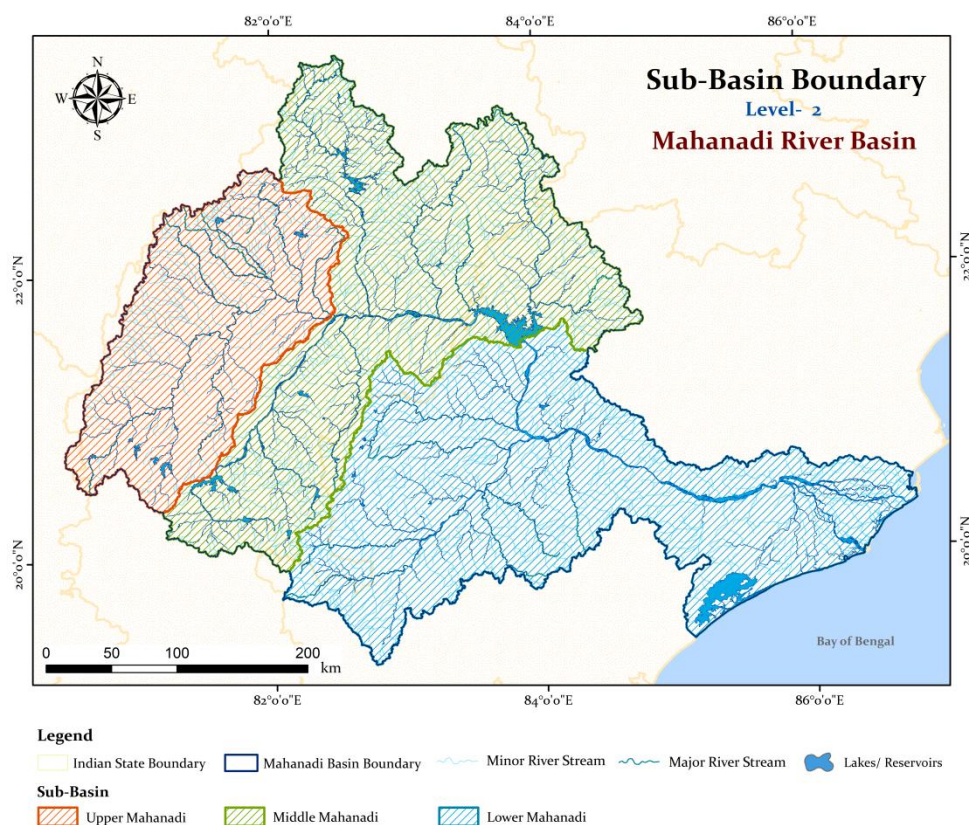


Figure 14: Level 2 River Basins in Mahanadi River Basin

Table 5: List of Significant Level 2 River Basins in Mahanadi River Basin

S No.	Sub-Basin Name [Level-2]	Sub-Basin Name [Level-3]
1	Upper Mahanadi Sub-Basin	[i] Seonath Sub-Basin
2	Middle Mahanadi Sub-Basin	[i] Upper Mahanadi Main Sub-Basin
		[ii] Ib Sub-Basin
		[iii] Hasdeo Sub-Basin
		[iv] Mand Sub-Basin
		[v] Jonk Sub-Basin
		[vi] Pairi Sub-Basin
3	Lower Mahanadi Sub-Basin	[i] Upper Mahanadi Main Sub-Basin
		[ii] Lower Mahanadi Main Sub-Basin
		[iii] Tel Sub-Basin
		[iv] Ong Sub-Basin

MAHANADI RIVER BASIN: LEVEL 3

A Level 3 basin further subdivides a Level 2 basin into smaller areas centered around key streams. A map illustrating some of the significant level 3 basins within the Mahanadi River Basin is shown below.

❖ Major Main Stem Sub-Basins

- 1) *Upper Mahanadi Main Sub-Basin*
- 2) *Middle Mahanadi Main Sub-Basin*
- 3) *Lower Mahanadi Main Sub-Basin*

❖ Major Tributary Sub-Basins

- 4) *Seonath Sub-Basin*
- 5) *Tel Sub-Basin*
- 6) *Ib Sub-Basin*
- 7) *Hasdeo Sub-Basin*
- 8) *Mand Sub-Basin*
- 9) *Ong Sub-Basin*
- 10) *Jonk Sub-Basin*
- 11) *Pairi Sub-Basin*

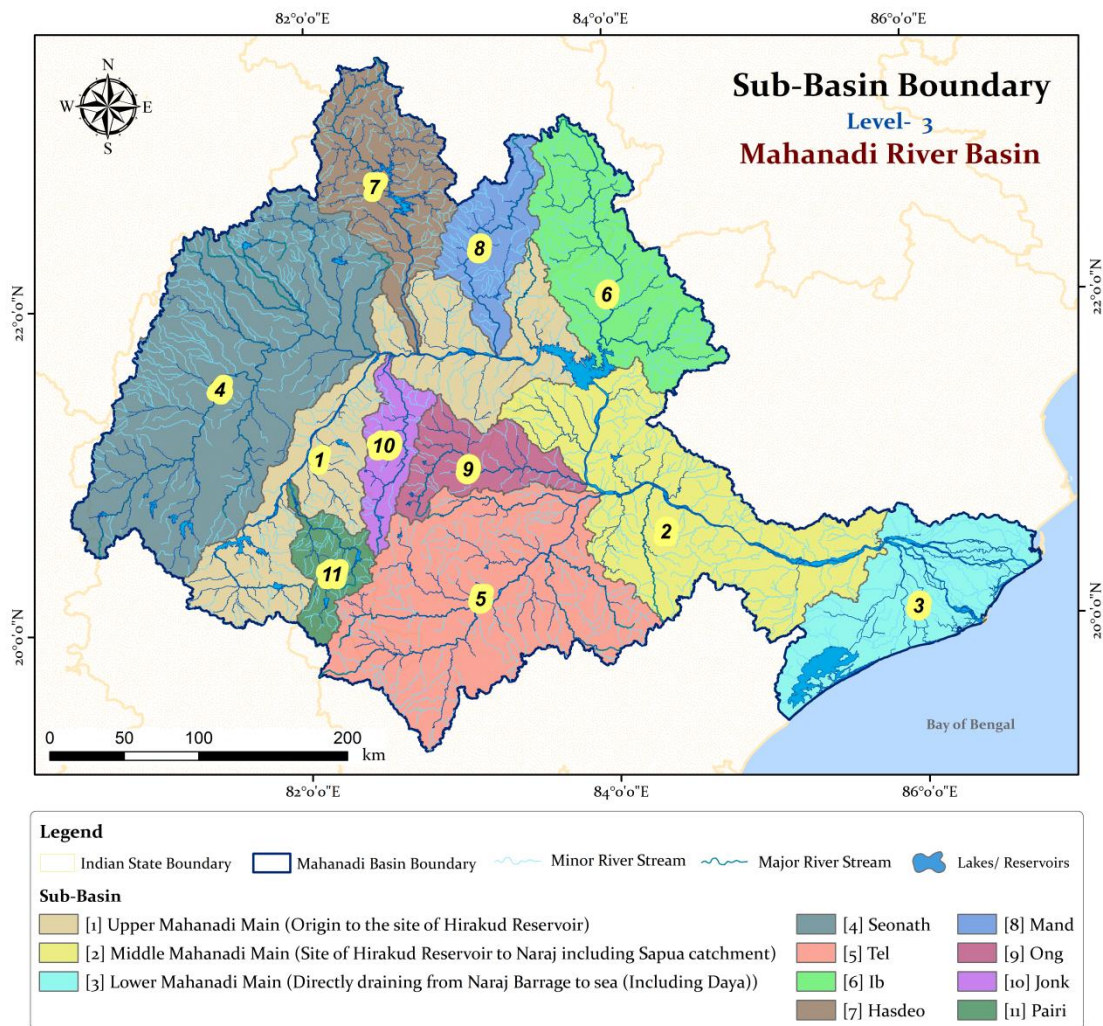


Figure 15: Sub-basin [Level-3]Mahanadi River Basin

RIVER NETWORK PREPARATION METHODOLOGY

The method adopted, in brief, to obtain the river network for the Atlas are stepwise as follows:

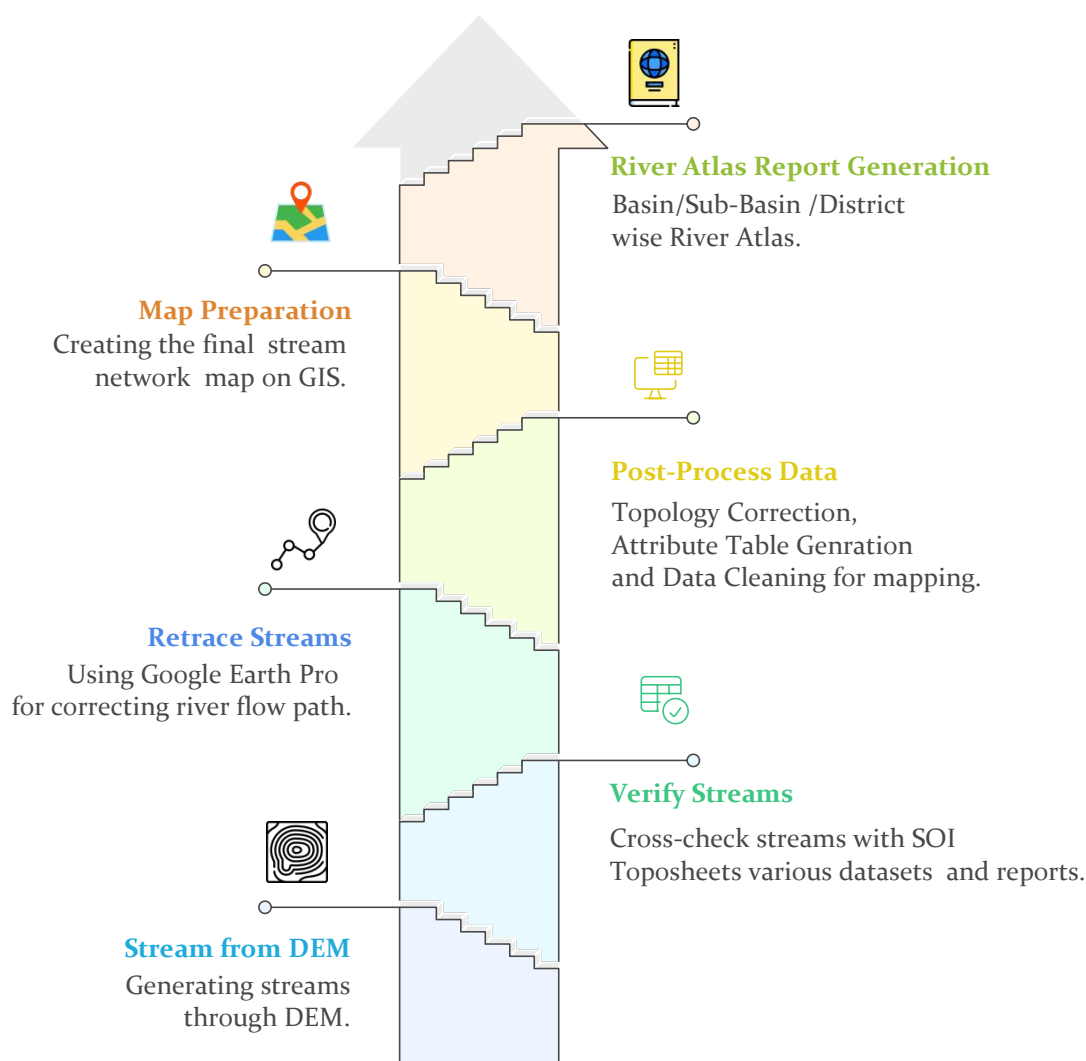


Figure 16: River Network Preparation Methodology for MRB

- ❖ Streams less than 1.0 km from local agricultural land are not covered.
- ❖ All streams originating from populated areas (urban or rural) are covered, even if they are less than 1 km (if it is visible) on Google Earth images.

Note: This atlas presents only the named streams of the Mahanadi River Basin (MRB) in reference to the Survey of India Open Series Map, 1st edition (2010), at 1:50,000 scale toposheet and NWIC stream network data.

Disclaimer: The accuracy of the maps generated by the above method are subject to the limitations of the data processing tools and software used for the particular geographical regions as represented in Google Earth images, and are subject to future refinement.

RIVER CODIFICATION METHODOLOGY

In the present Atlas, alphanumeric characters are used for coding the river systems. A combination of natural and administrative boundaries is used to assign a code to each river and stream. Each sub-step in the codification system is assigned a digit or alphabet that indicates the length of the code up to that point, and the total length of the code is 16 digits.

a) River originates in Urban/Rural Area:

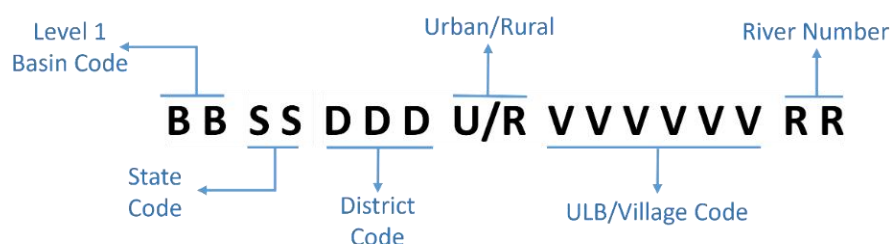


Figure 17: River Codification System for River originates in Urban/Rural Area

The first two digits denote the code for the major basin, based on the system proposed by the Central Water Commission (CWC), Government of India. Following this, the two alphabets indicate the state where the river originates, such as "CG" for Hasdeo. The following three digits represent the district where the river originates. The next character, 'U'/'R' or 'F' indicates whether the origin is in an urban/rural or forest area. For urban or rural origins, the subsequent six digits are the Urban Local Body (ULB) code if the river originates in an urban area or the village code if it originates in a rural area.

b) River originates in Forest Area:

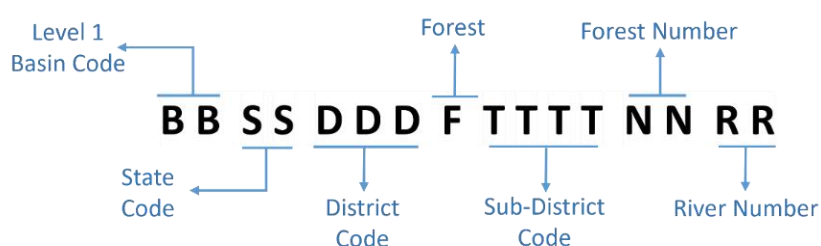


Figure 18: River Codification System for River originates in Forest Area

While in forest areas, the subsequent four digits denote the sub-district code where the forest is located. The following two digits indicate the number of the specified forest in the sub-district.

- The district, sub-district, and forest codes correspond to the river's origin, with district and sub-district codes available from the Local Government Directory (LGD) website, GoI.
- The final digit indicates the number of the specific river that originates within the specific location falling within an administrative boundary such as town/city or a village.

Table 6: Unique Identity Code of Selected Rivers

S No.	River Name	Length (km)	UID Code	S No.	River Name	Length (km)	UID Code
1	Mahanadi River	909.004	08CG377R44727301	26	Sakri Nadi	113.669	08CG382R43943301
2	Seonath Nadi	385.775	08MH475R53885901	27	Tandula River	106.778	08CG646R44331601
3	Hasdeo River	337.062	08CG384F32330205	28	Gej Nala/Nadi	105.16	08CG384F32320101
4	Tel River	310.938	09OD366R42731401	29	Phonk Nadi	104.614	08CG382R43933801
5	Ib River	274.487	08CG380R43362301	30	Maini River	102.18	08CG380R43366601
6	Mand River	265.396	08CG389R43342701	31	Utai Nadi	100.826	08OD359F31230201
7	Ong River	219.401	08OD345F31450102	32	Son Nadi A	100.744	08CG383R43649701
8	Jonk River	192.937	08OD368F31550106	33	Sondur Nadi	98.632	08OD366R42720901
9	Kharun River	173.637	08CG646R44345001	34	Marka Nadi	96.57	08OD354R41198101
10	Maniari River	172.883	08CG647R43788705	35	Jira River	96.195	08OD347R38021801
11	Hanp River	168.066	08CG382R43975701	36	Bhargabi River A	95.764	08OD362R40754101
12	Agar River	156.291	08CG382R43978001	37	Tesua Nadi A	95.039	08CG382R43996701
13	Arpa River	150.376	08CG734R43747201	38	Surhi Nadi	93.042	08CG759R44005301
14	Rahan N	147.749	08MP404F60710501	39	Ret Nadi	92.002	08OD358R42301601
15	Sukhtel River	140.185	08OD345F31450202	40	Karua Nala A	90.432	08CG382R43920001
16	Salki Nadi B	139.985	08OD359F31140201	41	Kulhan Nala	89.051	08CG387U25317701
17	Liagar Nadi	130.006	08CG383R43624901	42	Kurket River/Nadi	88.914	08CG386R43453301
18	Pairi River	128.689	08CG645R44539901	43	Amner River	87.285	08CG759R44052601
19	Bhedan River	127.809	08OD373F28280102	44	Harihar Jor	85.862	08OD371F27970103
20	Raul River	122.915	08OD359F31230102	45	Lath Nala	84.399	08CG385F33400102
21	Kharag River B	122.198	08OD359R41619601	46	Burtanga Nadi	80.586	08OD359R41603201
22	Bagh Nadi	120.549	08OD359R41643201	47	Borai Nadi	79.489	08CG383R43651101
23	Lant Nadi	119.958	08OD345F31460101	48	Kali Jor	79.364	08OD352F29980201
24	Udanti Nadi	118.879	08OD366R42722301	49	Bamni Nadi	78.221	08CG734R43764601
25	Gobari Nadi A	117.647	08OD350R39949201	50	Malti Jhor	77.545	08OD371R38200501

The table lists the UID code for selected rivers in MRB. For a complete list of rivers in MRB and their UID codes, refer to the Mahanadi River Basin **Appendix-I**.

MAHANADI RIVER BASIN AND ITS RIVER NETWORK

UID Code	08CG377R44727301
Main River Length (km)	909
Basin Area (km ²)	1,41,589
Number of Named Rivers	1709
Length of Named Rivers (km)	34378.59
Major Rivers	Seonath, Tel, Ib, Hasdeo, Mand, Ong, Jonk, and Pairi

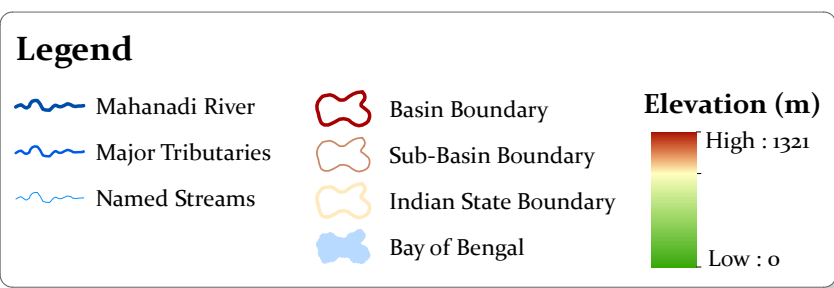
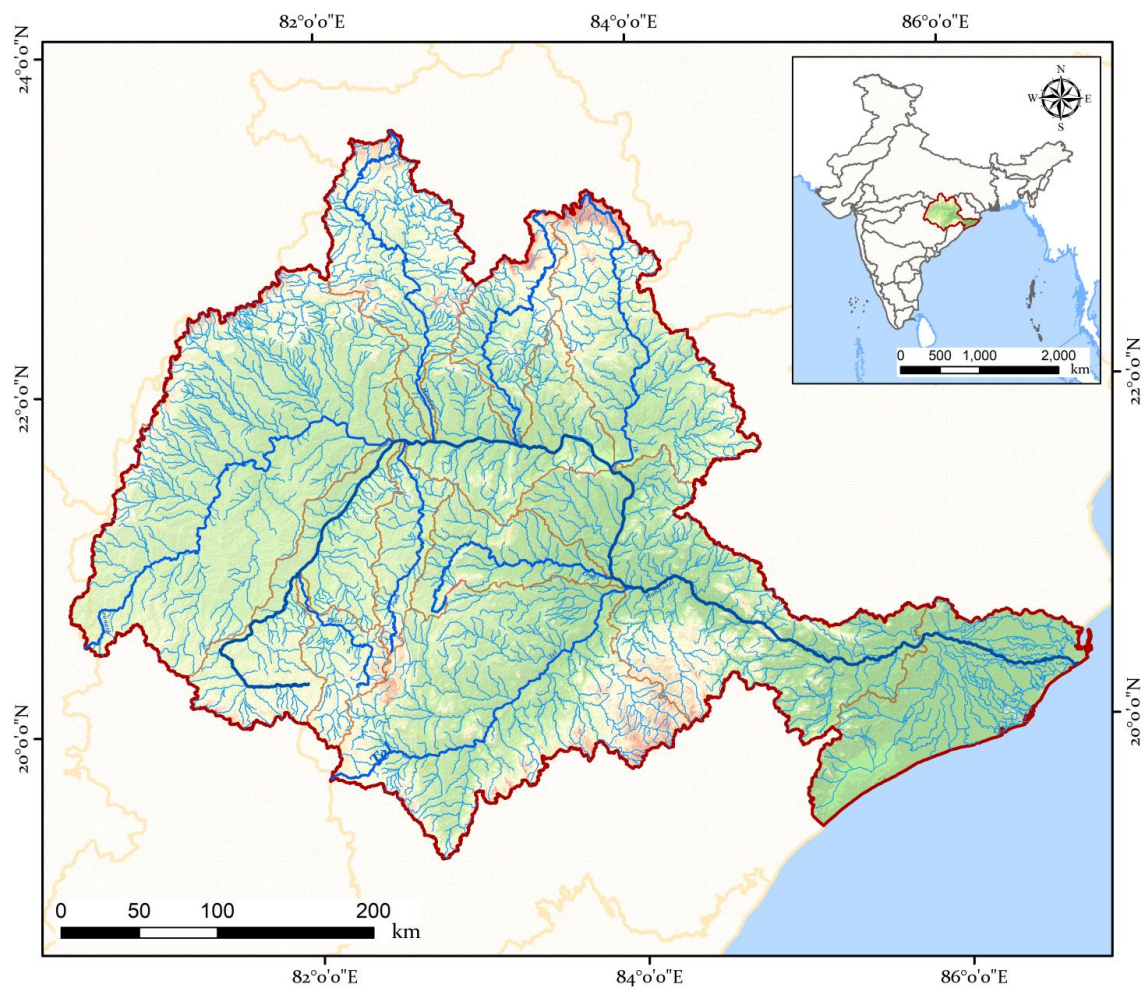


Figure 19: River Stream in Mahanadi Basin

MAJOR MAIN STEM SUB-BASINS

UPPER MAHANADI MAIN SUB-BASIN

UID Code	08CG377R44727301
Main River Length (km)	442.02
Basin Area (km ²)	19311.48
Number of Named Rivers	205
Length of Named Rivers (km)	4302.72
Major Rivers	Kelo, Son, Lath, Borai, and Sukha

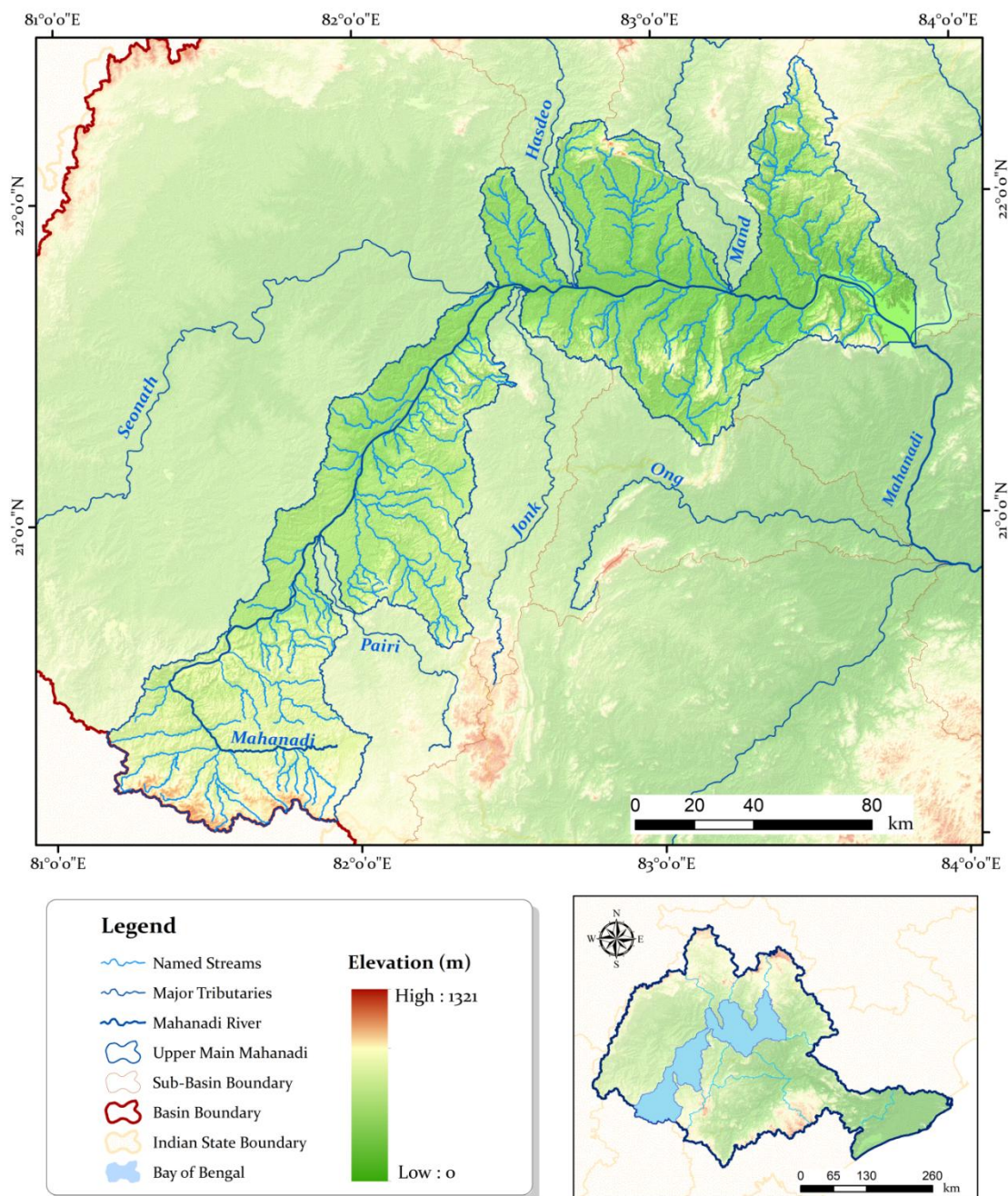


Figure 20: Upper Mahanadi Main River Basin and it's River Network

UPPER MAHANADI MAIN SUB-BASIN MAINSTEM FLOW DIAGRAM

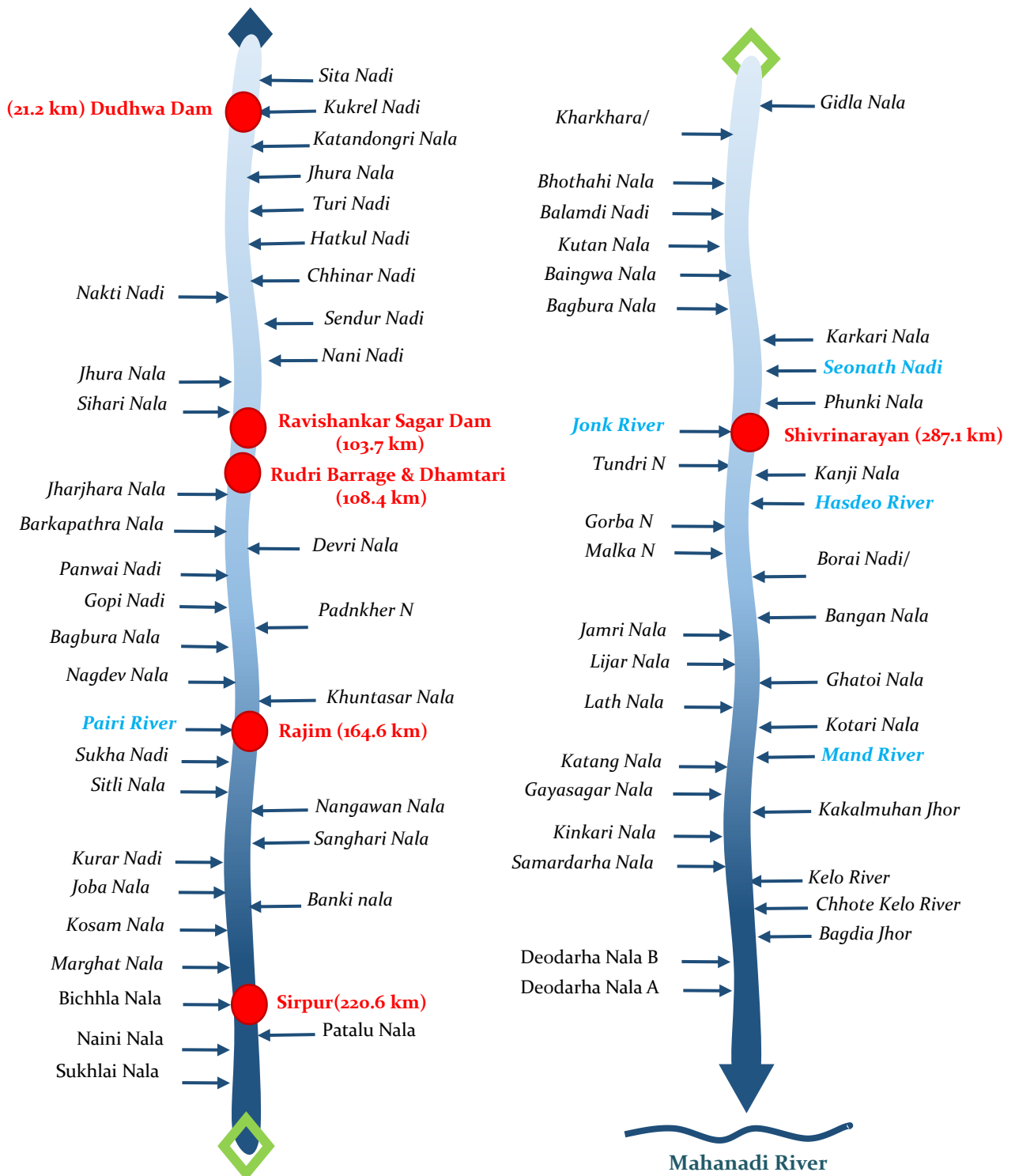


Figure 21: Flow Diagram of Upper Mahanadi Main River Part

Table 7: Upper Mahanadi Main River Mainstem Network

S.No	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Sita Nadi	L1	44.28	20.31	81.79	17.74
2	Kukrel Nadi	L2	24.55	20.31	81.78	18.59
3	Katandongri Nala	L3	13.86	20.31	81.74	22.90
4	Jhura Nala	L4	8.60	20.30	81.71	27.14
5	Turi Nadi	L5	37.51	20.30	81.56	44.00
6	Hatkul Nadi	L6	43.67	20.31	81.54	46.90
7	Chhinar Nadi	L7	55.70	20.32	81.53	49.03
8	Nakti Nadi	R1	14.63	20.37	81.49	55.55
9	Sendur Nadi	L8	41.90	20.39	81.48	58.13
10	Nani Nadi	L9	2.27	20.51	81.37	78.00
11	Jhura Nala	R2	36.40	20.58	81.53	97.84
12	Sihari Nala	R3	29.03	20.61	81.56	102.19
13	Jharjhara Nala	R4	8.92	20.70	81.66	120.66
14	Barkapathra Nala	R5	12.29	20.71	81.71	126.32
15	Devri Nala	L10	15.31	20.73	81.73	130.22
16	Panwai Nadi	R6	23.25	20.73	81.75	131.48
17	Gopi Nadi	R7	9.60	20.79	81.79	139.36
18	Padnkher N	L11	5.87	20.82	81.78	143.15
19	Bagbura Nala	R8	27.69	20.79	81.81	144.51
20	Nagdev Nala	R9	31.74	20.85	81.80	147.66
21	Khuntasar Nala	L12	24.16	20.93	81.83	157.44
22	Pairi River	R10	128.65	20.97	81.87	164.61
23	Sukha Nadi	R11	77.46	21.10	81.99	184.04
24	Sitli Nala	R12	40.40	21.12	81.99	185.99
25	Nangawan Nala	L13	4.57	21.18	82.02	193.34
26	Sanghari Nala	L14	17.91	21.22	82.02	197.93
27	Kurar Nadi	R13	52.38	21.18	82.10	203.27
28	Joba Nala	R14	8.37	21.29	82.11	210.25
29	Banki nala	L15	6.90	21.29	82.11	210.40
30	Kosam Nala	R15	15.56	21.29	82.12	211.61
31	Marghat Nala	R16	7.11	21.31	82.14	213.87
32	Bichhla Nala	R17	10.57	21.35	82.17	219.64
33	Patalu Nala	L16	48.23	21.38	82.20	224.23
34	Naini Nala	R18	37.77	21.39	82.21	226.07
35	Sukhlai Nala	R19	21.11	21.43	82.23	230.84

36	<i>Gidla Nala</i>	<i>L17</i>	38.73	21.47	82.25	236.10
37	<i>Kharkhara/Chhuiya Nala</i>	<i>R20</i>	4.90	21.48	82.25	236.56
38	<i>Bhothahi Nala</i>	<i>R21</i>	15.35	21.52	82.30	244.07
39	<i>Balamdi Nadi</i>	<i>R22</i>	23.56	21.43	82.41	246.41
40	<i>Kutan Nala</i>	<i>R23</i>	8.63	21.55	82.34	249.25
41	<i>Baingwa Nala</i>	<i>R24</i>	9.20	21.57	82.36	252.88
42	<i>Bagbura Nala</i>	<i>R25</i>	12.74	21.59	82.38	255.20
43	<i>Karkari Nala</i>	<i>L18</i>	23.50	21.72	82.47	273.50
44	<i>Seonath Nadi</i>	<i>L19</i>	385.05	21.73	82.48	274.34
45	<i>Phunki Nala</i>	<i>L20</i>	22.40	21.74	82.54	280.30
46	<i>Jonk River</i>	<i>R26</i>	193.15	21.71	82.59	286.52
47	<i>Tundri N</i>	<i>R27</i>	20.69	21.71	82.66	294.84
48	<i>Kanji Nala</i>	<i>L21</i>	59.40	21.73	82.70	299.54
49	<i>Hasdeo River</i>	<i>L22</i>	336.06	21.72	82.75	304.72
50	<i>Gorba N</i>	<i>R28</i>	31.02	21.72	82.78	307.79
51	<i>Malka N</i>	<i>R29</i>	5.84	21.70	82.89	320.18
52	<i>Borai Nadi/Chutatiya Nala</i>	<i>L23</i>	79.50	21.74	83.02	334.92
53	<i>Bangan Nala</i>	<i>L24</i>	33.20	21.74	83.02	335.09
54	<i>Jamri Nala</i>	<i>R30</i>	22.76	21.72	83.09	342.18
55	<i>Lijar Nala</i>	<i>R31</i>	63.31	21.65	83.04	344.36
56	<i>Ghatoi Nala</i>	<i>L25</i>	27.70	21.72	83.12	345.33
57	<i>Lath Nala</i>	<i>R32</i>	84.43	21.70	83.24	358.04
58	<i>Kotari Nala</i>	<i>L26</i>	24.44	21.70	83.24	358.28
59	<i>Mand River</i>	<i>L27</i>	264.84	21.70	83.25	359.19
60	<i>Katang Nala</i>	<i>R33</i>	21.03	21.57	83.23	362.82
61	<i>Gayasagar Nala</i>	<i>R34</i>	10.86	21.61	83.30	368.47
62	<i>Kakalmuhan Jhor</i>	<i>L28</i>	14.07	21.77	83.39	378.10
63	<i>Kinkari Nala</i>	<i>R35</i>	48.97	21.45	83.35	381.61
64	<i>Samardarha Nala</i>	<i>R36</i>	20.35	21.59	83.54	386.26
65	<i>Kelo River</i>	<i>L29</i>	47.74	22.00	83.39	397.48
66	<i>Chhote Kelo River</i>	<i>L30</i>	11.40	21.81	83.52	400.30
67	<i>Bagdia Jhor</i>	<i>L31</i>	25.99	21.83	83.76	419.93
68	<i>Deodarha Nala B</i>	<i>R37</i>	41.13	21.57	83.59	423.97
69	<i>Deodarha Nala A</i>	<i>R38</i>	21.97	21.52	83.62	427.14

MIDDLE MAHANADI MAIN SUB-BASIN

UID Code	08CG377R44727301
Main River Length (km)	334.83
Basin Area (km ²)	20525.72
Number of Named Rivers	207
Length of Named Rivers (km)	4440.42
Major Rivers	Salki , Bagh, Jira, Harihar Jor, Burtanga, Kali Jor, Malti Jhor, and Ranj Jhor

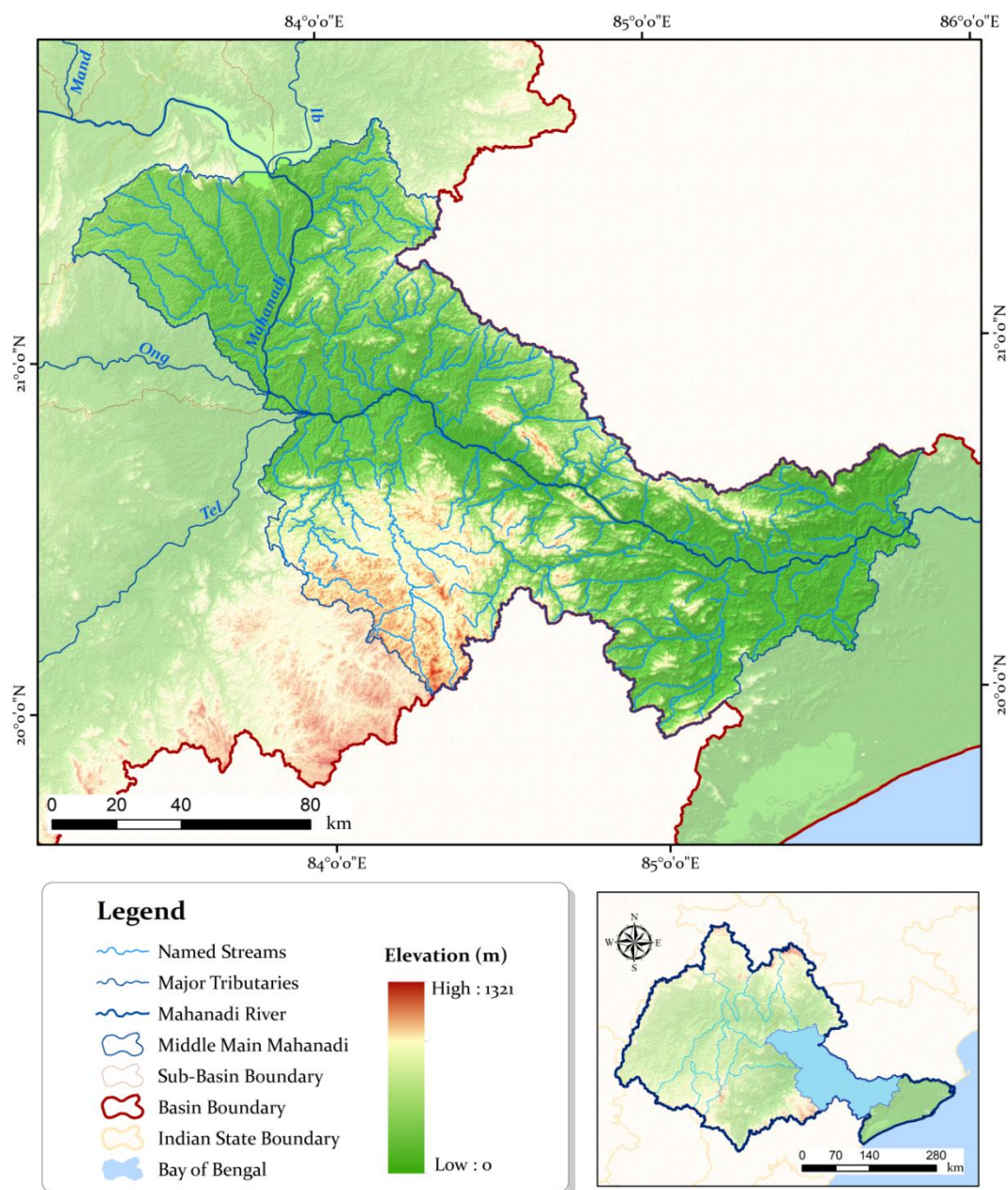


Figure 22: Middle Mahanadi Main River Basin and it's River Network

MIDDLE MAHANADI MAIN SUB-BASIN MAINSTEM FLOW DIAGRAM



Figure 23: Flow Diagram of Middle Mahanadi Main River Part

Table 8: Middle Mahanadi Main River Mainstem Network

S.No	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Katang Nala	R1	19.59	83.29	21.69	343
2	Gayasagar Nala	R2	10.11	83.34	21.67	347
3	Kakalmuhan Jhor	L1	13.02	83.42	21.68	357.36
4	Kinkari Nala	R3	45.85	83.45	21.66	360.9
5	Samardarha Nala	R4	18.96	83.49	21.64	365.75
6	Kelo River	L2	44.37	83.54	21.72	376.7
7	Chhote Kelo River	L3	10.58	83.56	21.74	379.36
8	Bagdia Jhor	L4	24.13	83.72	21.68	398.63
9	Deodarha Nala	R5	38.43	83.73	21.64	405.7
10	Ib River	L5	255.36	83.85	21.54	419.26
11	Harad Nadi	L6	42.59	83.98	21.44	437.56
12	Malti Jhor	L7	72.47	83.98	21.41	441.35
13	Ratadei Nala	L8	13.87	83.96	21.37	447.56
14	Jhul Jhor	L9	40.14	83.91	21.28	459
15	Kuliari Jhor	R6	29.09	83.91	21.23	465.45
16	Jhaun Jhor	R7	48.87	83.90	21.19	469.56
17	Salesingha Nala	L10	20.44	83.86	21.11	479.91
18	Jira River	R8	90.03	83.84	21.08	483.3
19	Murmuri Jhor	R9	24.00	82.98	21.20	486.57
20	Hardoman Nadi	L11	18.30	83.82	21.02	491.61
21	Pathar Kon Jhor	L12	8.13	83.82	20.97	496.98
22	Chauki Nala	R10	23.70	83.82	20.96	498.44
23	Ong River	R11	510.97	84.98	20.48	505.13
24	Kulthi Jhor	L13	23.02	83.93	20.85	517.49
25	Banji Jhor	L14	14.54	83.95	20.84	518.95
26	Tel River	R12	290.55	82.95	19.94	521.1
27	Dahni Nadi	L15	9.32	84.02	20.83	526.26
28	Gudguda Nadi	R13	18.04	84.04	20.81	529.94

29	<i>Bagh Nadi</i>	<i>R14</i>	<i>112.05</i>	<i>84.05</i>	<i>20.82</i>	<i>531.42</i>
30	<i>Gohira Jhor</i>	<i>R15</i>	<i>20.29</i>	<i>84.12</i>	<i>20.84</i>	<i>539.81</i>
31	<i>Harihar Jor</i>	<i>L16</i>	<i>79.94</i>	<i>84.01</i>	<i>21.00</i>	<i>540.15</i>
32	<i>Surubali Jhor</i>	<i>L17</i>	<i>48.02</i>	<i>84.22</i>	<i>20.90</i>	<i>553.2</i>
33	<i>Bauri Jhor</i>	<i>L18</i>	<i>12.58</i>	<i>84.22</i>	<i>20.90</i>	<i>553.68</i>
34	<i>Karandi Jhor</i>	<i>L19</i>	<i>31.66</i>	<i>84.27</i>	<i>20.88</i>	<i>559.89</i>
35	<i>Salki Nadi</i>	<i>R16</i>	<i>129.68</i>	<i>84.29</i>	<i>20.86</i>	<i>563.13</i>
36	<i>Mano Jor</i>	<i>L20</i>	<i>27.63</i>	<i>84.35</i>	<i>20.77</i>	<i>577.1</i>
37	<i>Bolath Nala</i>	<i>R17</i>	<i>15.93</i>	<i>84.38</i>	<i>20.75</i>	<i>580</i>
38	<i>Hinamanda Nala</i>	<i>R18</i>	<i>7.48</i>	<i>84.50</i>	<i>20.71</i>	<i>595.13</i>
39	<i>Sindol Jhor or Dandatapa Nala</i>	<i>L21</i>	<i>21.32</i>	<i>84.51</i>	<i>20.71</i>	<i>596.66</i>
40	<i>Khandhara Jor</i>	<i>L22</i>	<i>12.80</i>	<i>84.57</i>	<i>20.68</i>	<i>604.69</i>
41	<i>Joramu Or Sagdia N</i>	<i>R19</i>	<i>16.64</i>	<i>84.58</i>	<i>20.62</i>	<i>616.67</i>
42	<i>Bara Jor</i>	<i>R20</i>	<i>17.60</i>	<i>84.66</i>	<i>20.61</i>	<i>617.84</i>
43	<i>Chanagorthi N</i>	<i>L23</i>	<i>39.12</i>	<i>84.69</i>	<i>20.61</i>	<i>621.15</i>
44	<i>Kuliyu Nala</i>	<i>L24</i>	<i>4.33</i>	<i>84.76</i>	<i>20.61</i>	<i>628.82</i>
45	<i>Malia Jhor</i>	<i>L25</i>	<i>11.40</i>	<i>84.78</i>	<i>20.60</i>	<i>631.48</i>
46	<i>Ramuru Nala</i>	<i>L26</i>	<i>13.32</i>	<i>84.82</i>	<i>20.56</i>	<i>638.2</i>
47	<i>Khalakhala Nala</i>	<i>R21</i>	<i>15.29</i>	<i>84.88</i>	<i>20.50</i>	<i>646.29</i>
48	<i>Bhimadara Nala</i>	<i>L27</i>	<i>18.31</i>	<i>84.95</i>	<i>20.50</i>	<i>654.4</i>
49	<i>Burtanga Nala</i>	<i>R22</i>	<i>20.84</i>	<i>84.49</i>	<i>20.30</i>	<i>658.16</i>
50	<i>Khali Nala</i>	<i>L28</i>	<i>10.69</i>	<i>85.18</i>	<i>20.37</i>	<i>684.98</i>
51	<i>Lunijhara Nadi</i>	<i>R23</i>	<i>38.15</i>	<i>85.21</i>	<i>20.39</i>	<i>689.47</i>
52	<i>Hadua Nala</i>	<i>L29</i>	<i>21.27</i>	<i>85.24</i>	<i>20.38</i>	<i>692.69</i>
53	<i>Pagoda Nala</i>	<i>L30</i>	<i>23.31</i>	<i>85.32</i>	<i>20.34</i>	<i>702.76</i>
54	<i>Kaligiri Nadi</i>	<i>R24</i>	<i>11.21</i>	<i>85.37</i>	<i>20.36</i>	<i>708.74</i>
55	<i>Pachen Nala</i>	<i>L31</i>	<i>26.37</i>	<i>85.50</i>	<i>20.38</i>	<i>724.46</i>
56	<i>Chandrapa Nala</i>	<i>R25</i>	<i>12.35</i>	<i>85.50</i>	<i>20.38</i>	<i>724.89</i>
57	<i>Rana Nadi</i>	<i>R26</i>	<i>55.30</i>	<i>85.59</i>	<i>20.41</i>	<i>735.75</i>
58	<i>Chashanra Nala</i>	<i>L32</i>	<i>21.00</i>	<i>85.60</i>	<i>20.43</i>	<i>737.75</i>
59	<i>Kali Jor</i>	<i>L33</i>	<i>74.12</i>	<i>85.44</i>	<i>20.58</i>	<i>756.72</i>

LOWER MAHANADI MAIN SUB-BASIN

UID Code	08CG377R44727301
Main River Length (km)	121.91
Basin Area (km ²)	11542.08
Number of Named Rivers	127
Length of Named Rivers (km)	2945.74
Major Rivers	Gobari, Marka, Bhargabi, Hansua, Kushabhadra, Devi, Chitrotpala, Ratanchira, and Daya

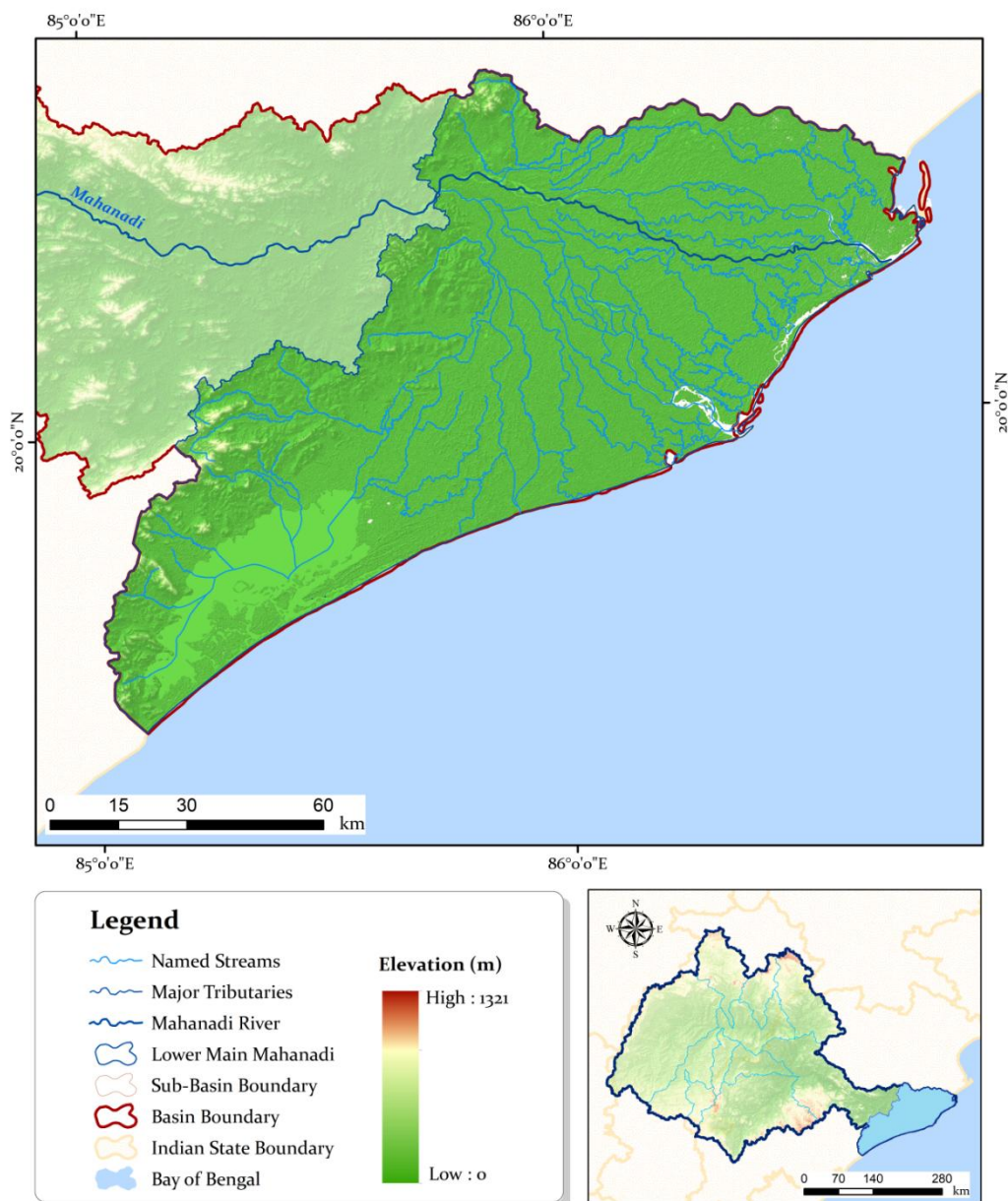


Figure 24: Lower Mahanadi Main River Basin and it's River Network

LOWER MAHANADI MAIN SUB-BASIN MAINSTEM FLOW DIAGRAM

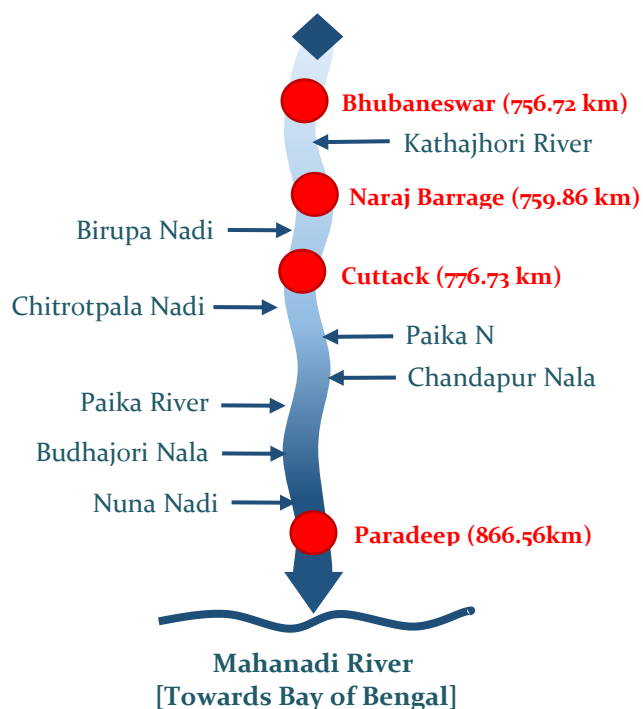


Figure 25: Flow Diagram of Lower Mahanadi Main River Part

Table 9: Lower Mahanadi Main River Mainstem Network

S.No	River Name	Distributary Bank	River Length (Km)	Distributary Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Kathajhori River	R1	34.08	85.90	20.43	759.86
2	Birupa Nadi	L1	23.69	85.89	20.49	776.73
3	Chitrotpala Nadi	L2	66.05	86.34	20.40	791.17
4	Paika N	R2	29.85	86.21	20.36	817.29
5	Chandapur Nala	R3	18.51	86.54	20.32	843.59
6	Paika River	L3	49.76	86.54	20.33	858.36
7	Budhajori Nala	L4	34.92	86.58	20.34	862.81
8	Nuna Nadi	L5	54.71	86.62	20.34	866.56
Bay of Bengal						

MAJOR TRIBUTARY SUB-BASINS

SEONATH SUB-BASIN AND ITS RIVER NETWORK

UID Code	08MH475R53885901
Main River Length (km)	385.77
Basin Area (km ²)	30949.68
Number of Named Rivers	296
Length of Named Rivers (km)	7501.88
Major Rivers	Kharun, Maniari, Hanp, Agar, Arpa, Rahan, Liagar, Sakri, Tandula, and Phonk

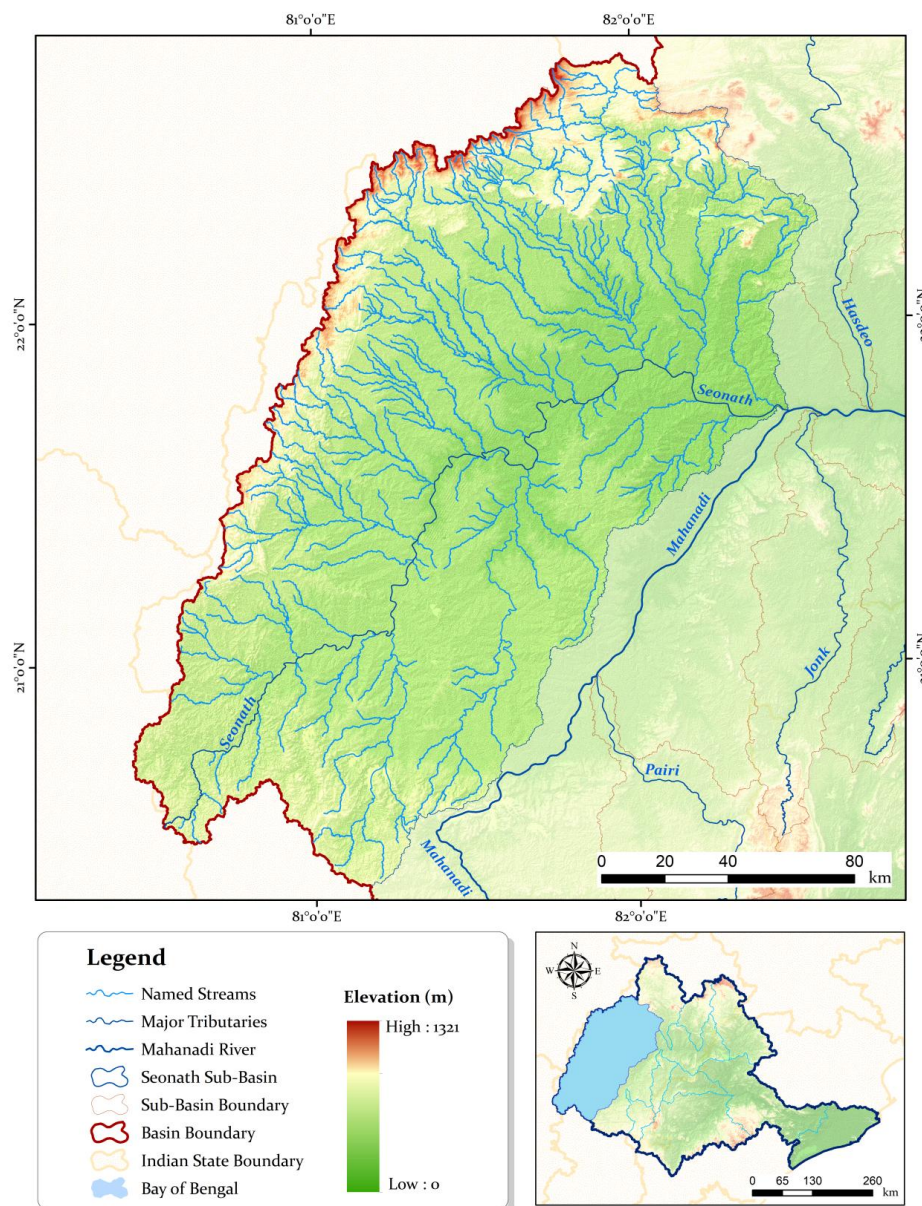


Figure 26: Seonath Sub-Basin and it's River Network

SEONATH SUB-BASIN MAINSTEM FLOW DIAGRAM

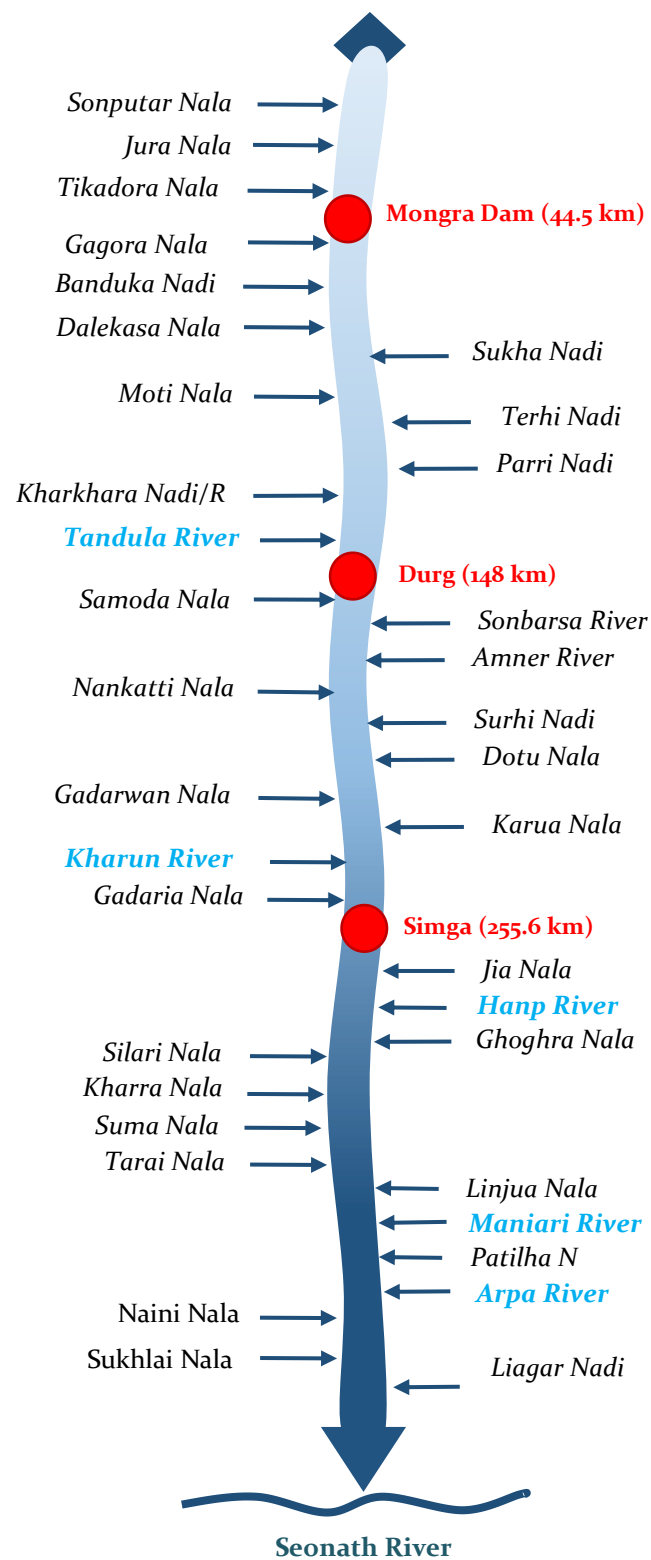


Figure 27: Flow Diagram of Seonath River

Table 10: Seonath River Mainstem Network

S.No	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Sonputar Nala	R1	5.10	20.56	80.60	11.24
2	Jura Nala	R2	16.52	20.59	80.62	35.68
3	Tikadora Nala	R3	13.19	20.63	80.65	42.57
4	Gagora Nala	R4	7.76	20.76	80.69	51.20
5	Banduka Nadi	R5	20.87	20.75	80.73	82.51
6	Dalekasa Nala	R6	40.92	20.87	80.82	82.79
7	Sukha Nadi	L1	21.65	20.97	80.88	90.71
8	Moti Nala	R7	44.09	21.01	80.94	90.85
9	Terhi Nadi	L2	39.32	21.03	80.95	113.33
10	Parri Nadi	L3	29.90	21.09	81.12	133.53
11	Kharkhara Nadi/R	R8	55.52	21.10	81.18	136.09
12	Tandula River	R9	106.74	21.10	81.24	141.27
13	Samoda Nala	R10	21.89	21.31	81.31	147.00
14	Sonbarsa River	L4	21.02	21.31	81.31	167.57
15	Amner River	L5	87.24	21.37	81.32	172.52
16	Nankatti Nala	R11	15.85	21.37	81.32	181.29
17	Surhi Nadi	L6	93.01	21.53	81.38	207.63
18	Dotu Nala	L7	64.83	21.61	81.49	214.77
19	Gadarwan Nala	R12	23.56	21.61	81.51	216.79
20	Karua Nala	L8	90.40	21.62	81.54	221.87
21	Kharun River	R13	173.57	21.57	81.67	223.79
22	Gadaria Nala	R14	11.05	21.60	81.70	227.95
23	Jia Nala	L9	28.04	21.66	81.66	235.42
24	Hanp River	L10	168.00	21.77	81.77	239.79
25	Ghoghra Nala	L11	28.41	21.76	81.82	250.94
26	Silari Nala	R15	17.93	21.76	81.84	258.27
27	Kharra Nala	R16	11.78	21.78	81.89	269.62
28	Suma Nala	R17	9.75	21.79	81.90	277.92
29	Tarai Nala	R18	7.69	21.81	81.93	292.20
30	Linjua Nala	L12	20.41	21.84	81.95	306.51
31	Maniari River	L13	172.83	21.88	82.04	310.29
32	Patilha N	L14	6.65	21.85	82.10	333.14
33	Arpa River	L15	150.08	21.83	82.19	337.49
34	Jumuniya Nadi	R19	67.90	21.76	82.20	356.76
35	Khorsi Nala	R20	64.96	21.72	82.31	371.27
36	Liagar Nadi	L16	129.99	21.74	82.44	381.50

TEL SUB-BASIN AND ITS RIVER NETWORK

UID Code	08OD366R42731401
Main River Length (km)	310.93
Basin Area (km ²)	22890.25
Number of Named Rivers	274
Length of Named Rivers (km)	5029.48
Major Rivers	Sukhtel, Raul, Kharag, Lant, Udanti, Utai, Ret, Hatti, and Sunda

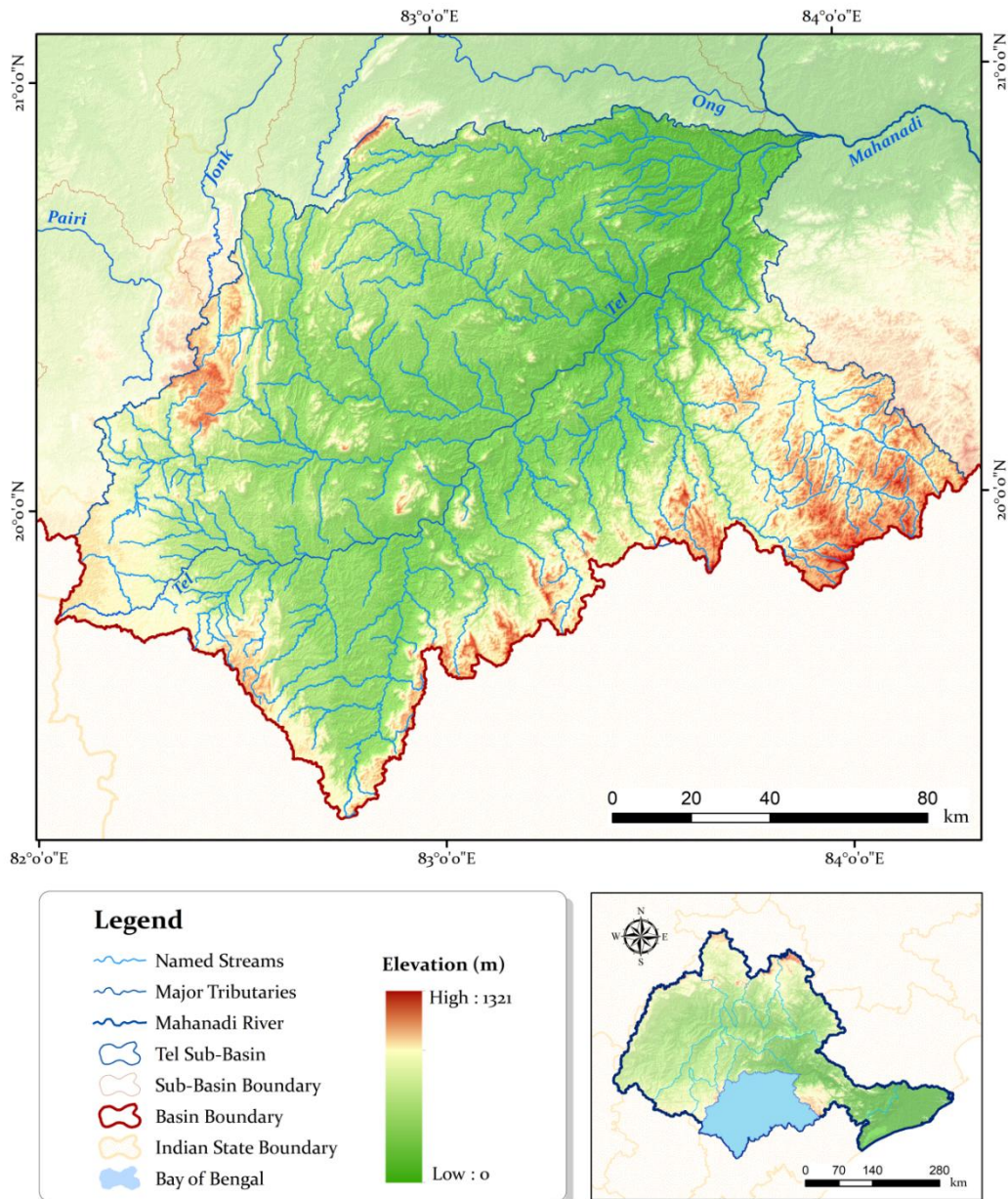


Figure 28: Tel Sub-Basin and it's River Network

TEL SUB-BASIN MAINSTEM FLOW DIAGRAM



Figure 29: Flow Diagram of Tel River

Table 11: Tel River Mainstem Network

S.No	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Thora N	L1	29.07	19.77	82.24	27.5416
2	Bhata Jhor	R1	5.47	19.80	82.30	38.139
3	Padam Jhor	L2	15.21	19.83	82.32	43.338
4	Khaira Jor	L3	9.86	19.88	82.39	55.88
5	Murgel Jor	L4	6.29	19.90	82.41	58.43
6	Sukha Nadi	L5	8.54	19.95	82.39	67.94
7	Gumamihari Nala	R2	6.04	19.87	82.54	77.17
8	Banjari Nadi	R3	12.32	19.76	82.43	79.544
9	Dhokanjhor Nala	L6	10.26	19.87	82.59	83.081
10	Barhi Nala	R4	16.84	19.87	82.60	84.49
11	Kharka Jor	R5	10.06	19.88	82.66	90.91
12	Belat Jor	L7	19.47	19.89	82.67	92.977
13	Mundra Nadi	R6	7.80	19.88	82.73	99.067
14	Mali Jor	L8	5.17	19.91	82.79	108.63
15	Hansai Jor	L9	7.80	19.97	82.80	115.76
16	Haiur Jor	R7	21.26	19.92	82.87	118.81
17	Hatti Nadi	R8	37.89	19.47	82.84	129
18	Shagarha Nala	R9	12.15	19.69	83.04	139.46
19	Joliya Nadi	R10	4.66	20.04	83.04	150.48
20	Khalan Jor	R11	12.83	20.05	83.05	152
21	Pipal Nadi	R12	48.20	19.85	83.39	158.83
22	Indra or Udanti River	L10	26.70	20.14	83.08	165.74
23	Ret Nadi	R13	85.16	20.19	83.19	179
24	Under River	L11	16.50	20.19	83.20	179.62
25	Utai Nadi	R14	92.49	20.37	83.40	214.23
26	Lant Nadi	L12	112.06	20.42	83.45	222.67
27	Sungarh Nadi	L13	46.54	20.48	83.51	231.46
28	Junani Jor	L14	15.19	20.85	83.53	234.69
29	Raul River	R15	114.02	20.47	83.56	237.42
30	Kharag River	R16	89.27	20.48	83.57	238.91
31	Barha Jor	R17	24.49	20.55	83.66	253.07
32	Barhajor Nadi	R18	28.32	20.61	83.73	262.75
33	Sukhtel River	L15	131.87	20.78	83.76	284.71
34	Gariya Nala	L16	12.11	20.82	83.73	287.07
35	Jamu Nala	R19	15.69	20.82	83.86	297.06

IB SUB-BASIN AND ITS RIVER NETWORK

UID Code	08CG377R44727301
Main River Length (km)	274.48
Basin Area (km ²)	12574.95
Number of Named Rivers	147
Length of Named Rivers (km)	2769.65
Major Rivers	Bhedan, Maini, and Dorki

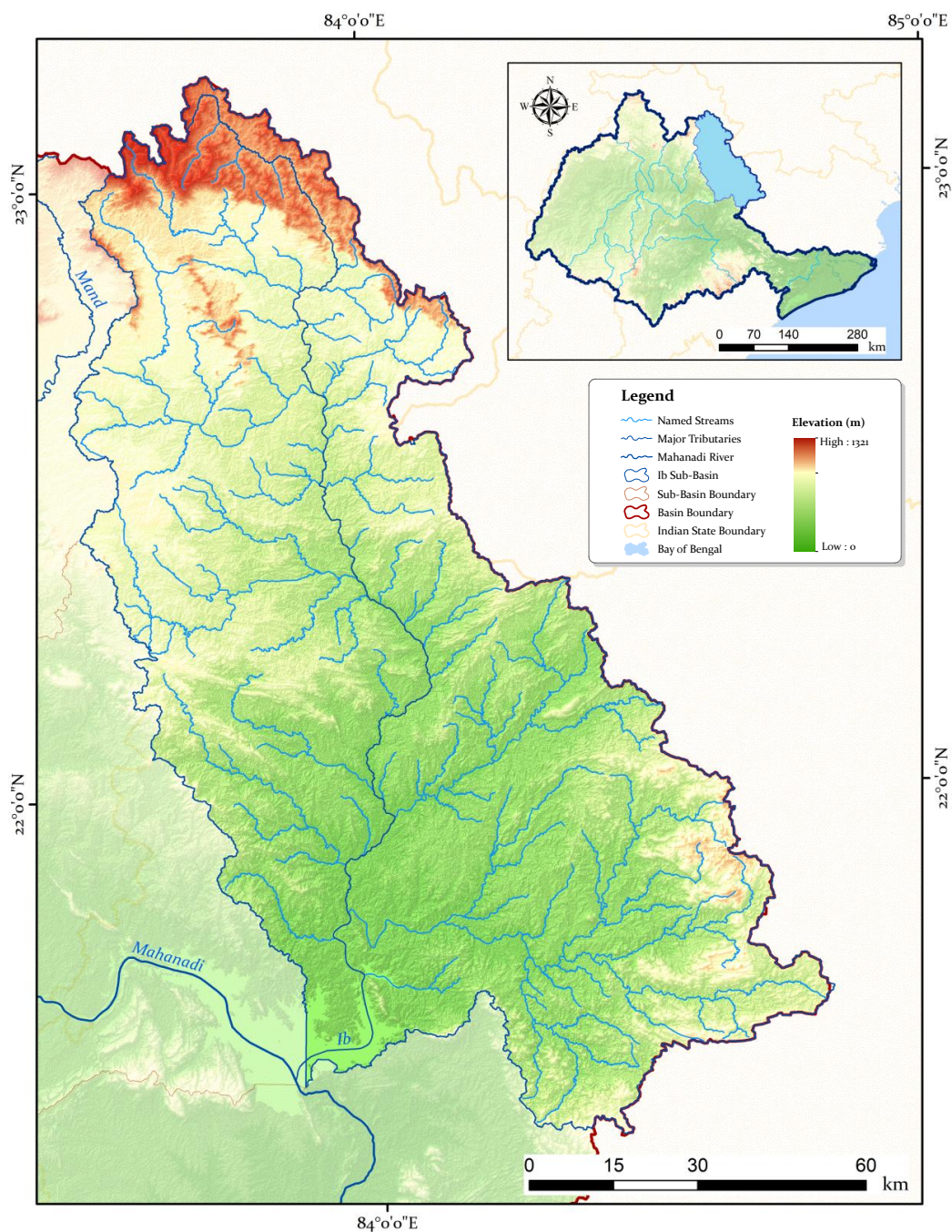


Figure 30: Ib Sub-Basin and it's River Network

IB SUB-BASIN MAINSTEM FLOW DIAGRAM

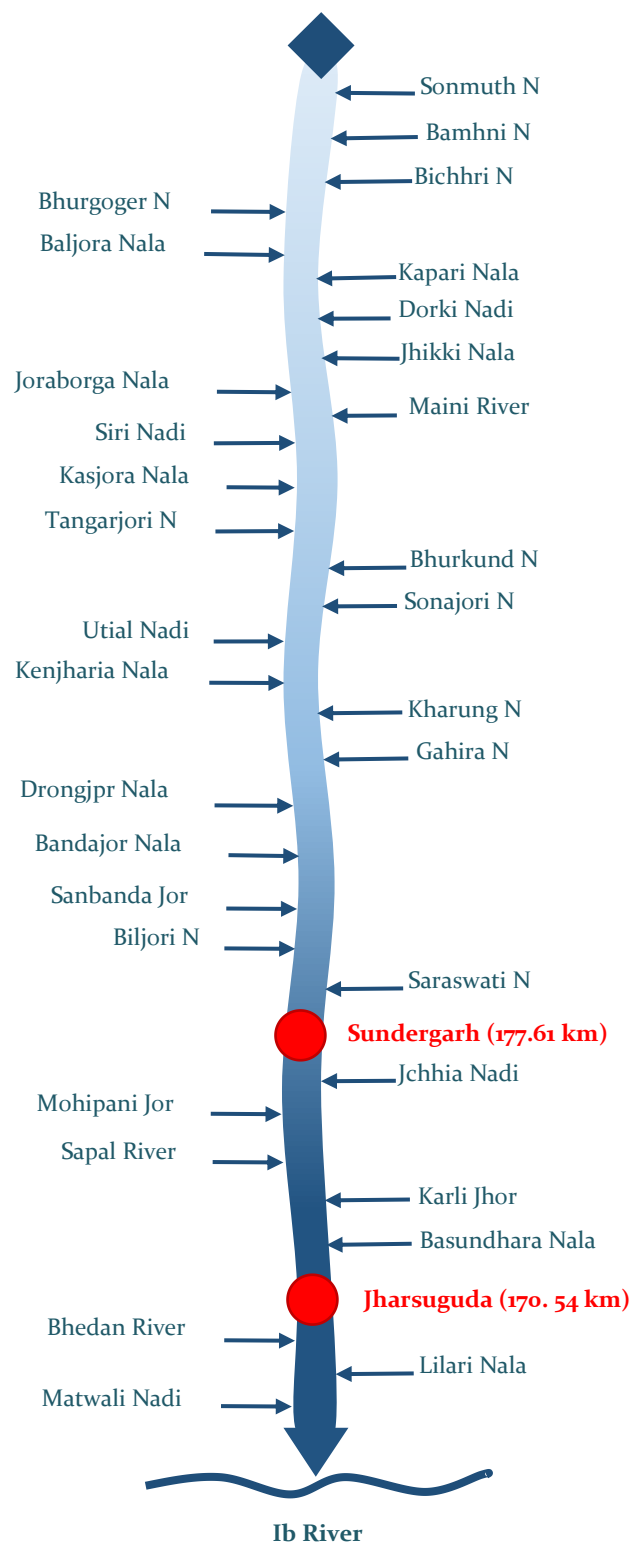


Figure 31: Flow Diagram of Ib River

Table 12: Ib River Mainstem Network

<i>S.No</i>	<i>River Name</i>	<i>Confluence Bank</i>	<i>River Length (Km)</i>	<i>Confluence Co-ordinate</i>		<i>Distance from origin (km)</i>
				<i>Lat</i>	<i>Long</i>	
1	<i>Sonmuth N</i>	<i>R1</i>	16.78	23.11	83.76	16.754
2	<i>Bamhni N</i>	<i>R2</i>	3.55	23.07	83.80	25.42
3	<i>Bichhri N</i>	<i>R3</i>	7.58	23.04	83.85	33.417
4	<i>Bhurgoger N</i>	<i>L1</i>	9.72	22.86	83.96	64.069
5	<i>Baljora Nala</i>	<i>L2</i>	20.32	22.83	83.93	69.89
6	<i>Kapari Nala</i>	<i>R4</i>	12.74	22.83	83.89	74.261
7	<i>Dorki Nadi</i>	<i>R5</i>	59.44	22.91	83.80	74.8
8	<i>Jhikki Nala</i>	<i>R6</i>	14.73	22.78	83.89	80.89
9	<i>Joraborga Nala</i>	<i>L3</i>	8.59	22.77	83.90	82.6367
10	<i>Maini River</i>	<i>R7</i>	95.82	22.66	83.91	98.463
11	<i>Siri Nadi</i>	<i>L4</i>	15.15	22.65	83.93	100.726
12	<i>Kasjora Nala</i>	<i>L5</i>	18.56	22.63	83.93	102.8
13	<i>Tangarjori N</i>	<i>L6</i>	9.06	22.59	83.93	109.33
14	<i>Bhurkund N</i>	<i>R8</i>	8.51	22.58	83.87	112.234
15	<i>Sonajori N</i>	<i>R9</i>	23.52	22.51	83.92	118.766
16	<i>Utial Nadi</i>	<i>L7</i>	7.00	22.51	83.93	120.078
17	<i>Kenjharia Nala</i>	<i>L8</i>	5.72	22.40	83.97	135.007
18	<i>Kharung N</i>	<i>R10</i>	6.65	22.36	83.98	141.295
19	<i>Gahira N</i>	<i>R11</i>	6.09	22.33	84.00	145.64
20	<i>Drongjpr Nala</i>	<i>L9</i>	20.48	22.31	84.02	148.493
21	<i>Bandajor Nala</i>	<i>L10</i>	21.34	22.28	84.06	154.59
22	<i>Sanbanda jor</i>	<i>L11</i>	20.82	22.24	84.09	160.405
23	<i>Biljori N</i>	<i>L12</i>	20.02	22.19	84.10	173.201
24	<i>Saraswati N</i>	<i>R12</i>	19.95	22.13	84.02	177.61
25	<i>Jchhia Nadi</i>	<i>R13</i>	15.00	22.01	84.00	162.819
26	<i>Mohipani jor</i>	<i>L13</i>	10.19	21.99	84.01	164.9535
27	<i>Sapal River</i>	<i>L14</i>	36.73	21.96	84.03	170.2775
28	<i>Karli Jhor</i>	<i>R14</i>	15.32	21.90	83.97	164.475
29	<i>Basundhara Nala</i>	<i>R15</i>	24.44	21.89	83.94	170.5385
30	<i>Bhedan River</i>	<i>L15</i>	119.62	21.81	83.95	166.66652
31	<i>Lilari Nala</i>	<i>R16</i>	32.73	21.77	83.92	169.89998
32	<i>Matwali Nadi</i>	<i>L16</i>	20.85	21.68	84.11	189.695

HASDEO SUB-BASIN AND ITS RIVER NETWORK

UID Code	08CG384F32330205
Main River Length (km)	337.06
Basin Area (km ²)	9918.09
Number of Named Rivers	201
Length of Named Rivers (km)	3135.01
Major Rivers	Gej, Bamni, Tan, Atem, Aharan, and Jhink

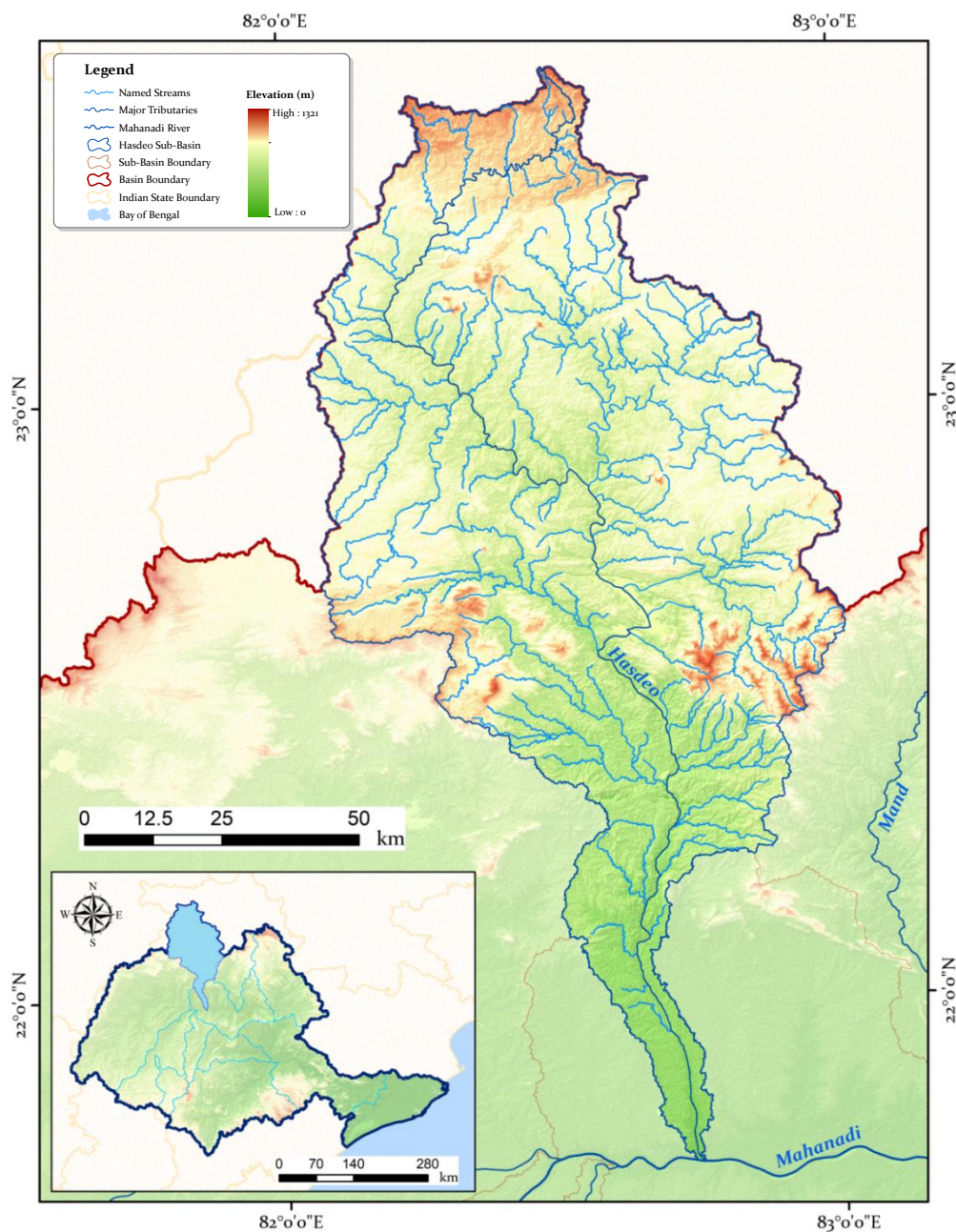


Figure 32: Hasdeo Sub-Basin and it's River Network

HASDEO SUB-BASIN MAINSTEM FLOW DIAGRAM



Figure 33: Flow Diagram of Hasdeo River

Table 13: Hasdeo River Mainstem Network

S.No	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Daldaliya Nala	R1	2.35	23.47	82.53	248.75
2	Ghunghutiya N	R2	15.71	23.45	82.50	173.37
3	Khar Nala	L1	5.77	23.44	82.51	115.10
4	Sunru Bhunru Nala	L2	16.43	23.42	82.51	42.48
5	Ghughra N	L3	5.71	23.41	82.50	27.36
6	Kardha Nala	L4	13.27	23.39	82.44	24.68
7	Soi Nala	R3	19.88	23.39	82.42	22.15
8	Gonincha Nala	L5	5.68	23.38	82.41	20.06
9	Baniya Nadi	R4	34.61	23.37	82.34	15.71
10	Dhtineti Nala	R5	24.47	23.31	82.29	309.59
11	Jura N	L6	12.77	23.29	82.31	299.75
12	Halphali N	L7	28.15	23.25	82.27	293.61
13	Hasia N/R	R6	21.88	23.21	82.23	288.39
14	Jhimar Dhar	R7	10.62	23.15	82.19	281.83
15	Kulhariya/Nauwanar N	R8	24.76	23.14	82.19	275.28
16	Balhi Dhar	R9	10.44	23.11	82.20	264.21
17	Kauriya Nadi	L8	28.54	23.10	82.25	263.91
18	Garaburi Nala	L9	8.73	23.07	82.28	255.08
19	Karelidhar Nala	L10	15.18	23.07	82.31	250.67
20	Ratwa Nala	R10	7.11	23.04	82.31	243.43
21	Bamni Nadi/River/R	R11	78.20	23.01	82.33	240.52
22	Gorghela Nala	L11	33.89	23.01	82.34	221.47
23	Katai Nala	R12	14.81	22.93	82.37	213.70
24	Bundela Nala	L12	6.60	22.92	82.42	207.66
25	Bakai Nala	R13	14.10	22.88	82.42	200.42
26	Phulsar Nala	R14	16.09	22.86	82.47	193.35
27	Kharpahari Nala	R15	10.75	22.86	82.51	188.01
28	Anjan Nala	L13	40.96	22.89	82.52	186.90
29	Gej Nala/Nadi	L14	105.15	22.86	82.56	176.09
30	Manasi Nala	L15	22.14	22.84	82.57	168.81
31	Bisrar Nala	L16	23.66	22.77	82.56	164.77
32	Parla Nala	R16	13.53	22.76	82.56	159.91
33	Maniari Nala	L17	16.37	22.72	82.57	152.29
34	Chornai Nadi	L18	33.51	22.68	82.61	146.81
35	Gadgada Nala	L19	21.25	22.63	82.66	141.59
36	Bora Nala	L20	18.86	22.61	82.63	129.52
37	Tan Nadi	R17	75.00	22.58	82.57	127.49
38	Kosam Nala	L21	14.05	22.46	82.69	123.25
39	Chuhiya Nala	L22	17.73	22.44	82.69	119.39
40	Belgari Nala	L23	9.99	22.40	82.70	111.37

41	<i>Dhengu Nala</i>	<i>L24</i>	<i>29.57</i>	<i>22.38</i>	<i>82.71</i>	<i>105.44</i>
42	<i>Aharan Nadi</i>	<i>R18</i>	<i>52.23</i>	<i>22.35</i>	<i>82.69</i>	<i>101.30</i>
43	<i>Kachandi Nala</i>	<i>L25</i>	<i>27.36</i>	<i>22.29</i>	<i>82.70</i>	<i>99.63</i>
44	<i>Dom Nala</i>	<i>L26</i>	<i>25.24</i>	<i>22.28</i>	<i>82.70</i>	<i>91.43</i>
45	<i>Gogi/Togi Nala</i>	<i>L27</i>	<i>25.21</i>	<i>22.20</i>	<i>82.67</i>	<i>82.94</i>
46	<i>Karra Nala</i>	<i>R19</i>	<i>26.79</i>	<i>22.15</i>	<i>82.65</i>	<i>76.16</i>
47	<i>Balguriya Nala</i>	<i>L28</i>	<i>9.48</i>	<i>22.10</i>	<i>82.65</i>	<i>70.84</i>
48	<i>Chautariya Nala</i>	<i>R20</i>	<i>19.22</i>	<i>22.07</i>	<i>82.63</i>	<i>58.83</i>
49	<i>Jobi Nala</i>	<i>R21</i>	<i>7.49</i>	<i>22.02</i>	<i>82.65</i>	<i>44.23</i>
50	<i>Kostiya Nala</i>	<i>R22</i>	<i>14.43</i>	<i>21.94</i>	<i>82.69</i>	<i>36.43</i>

MAND SUB-BASIN AND ITS RIVER NETWORK

UID Code	08CG377R44727301
Main River Length (km)	265.39
Basin Area (km ²)	5328.52
Number of Named Rivers	87
Length of Named Rivers (km)	1473.25
Major Rivers	Kurket and Koerga

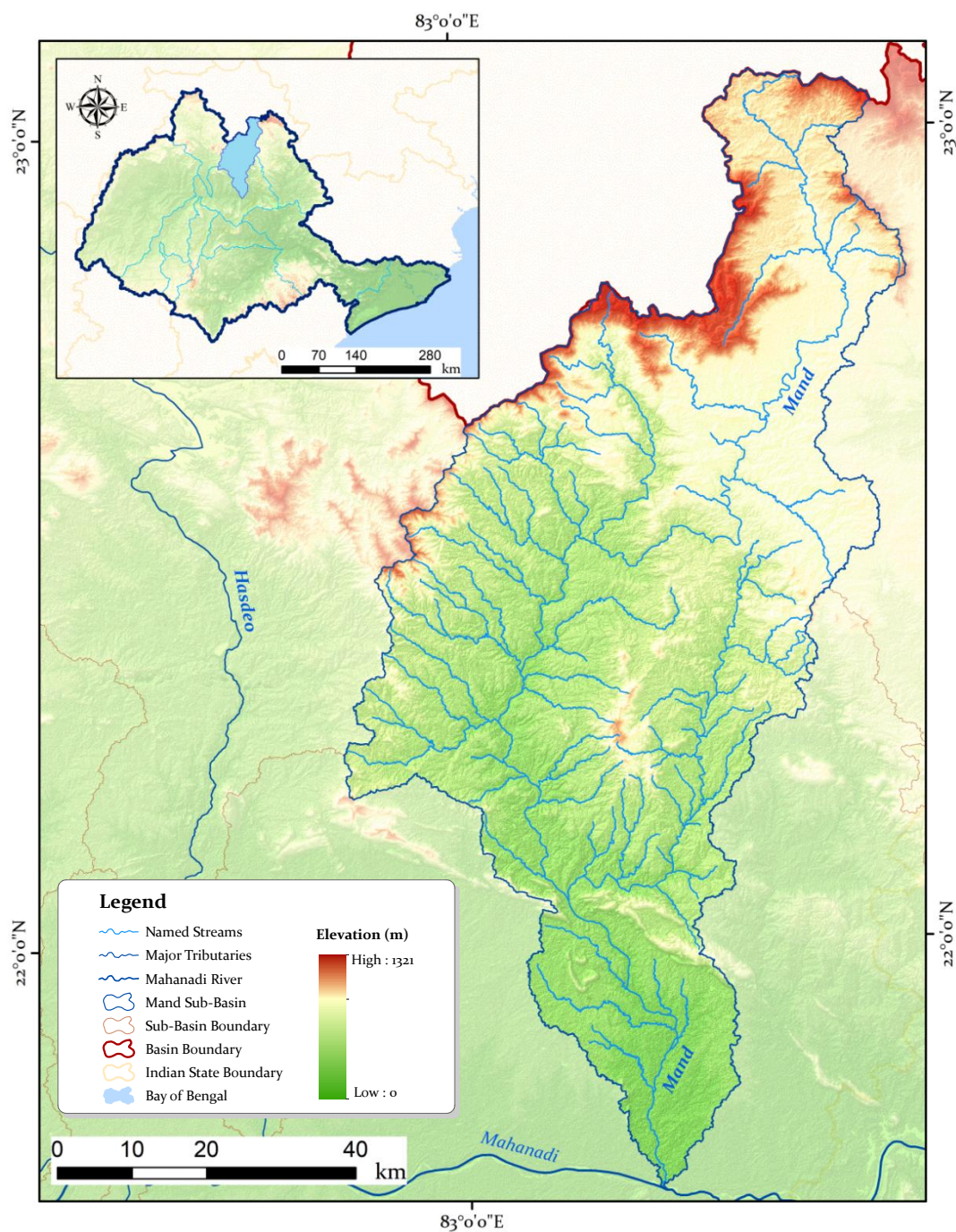


Figure 34: Mand Sub-Basin and it's River Network

MAND SUB-BASIN MAINSTEM FLOW DIAGRAM

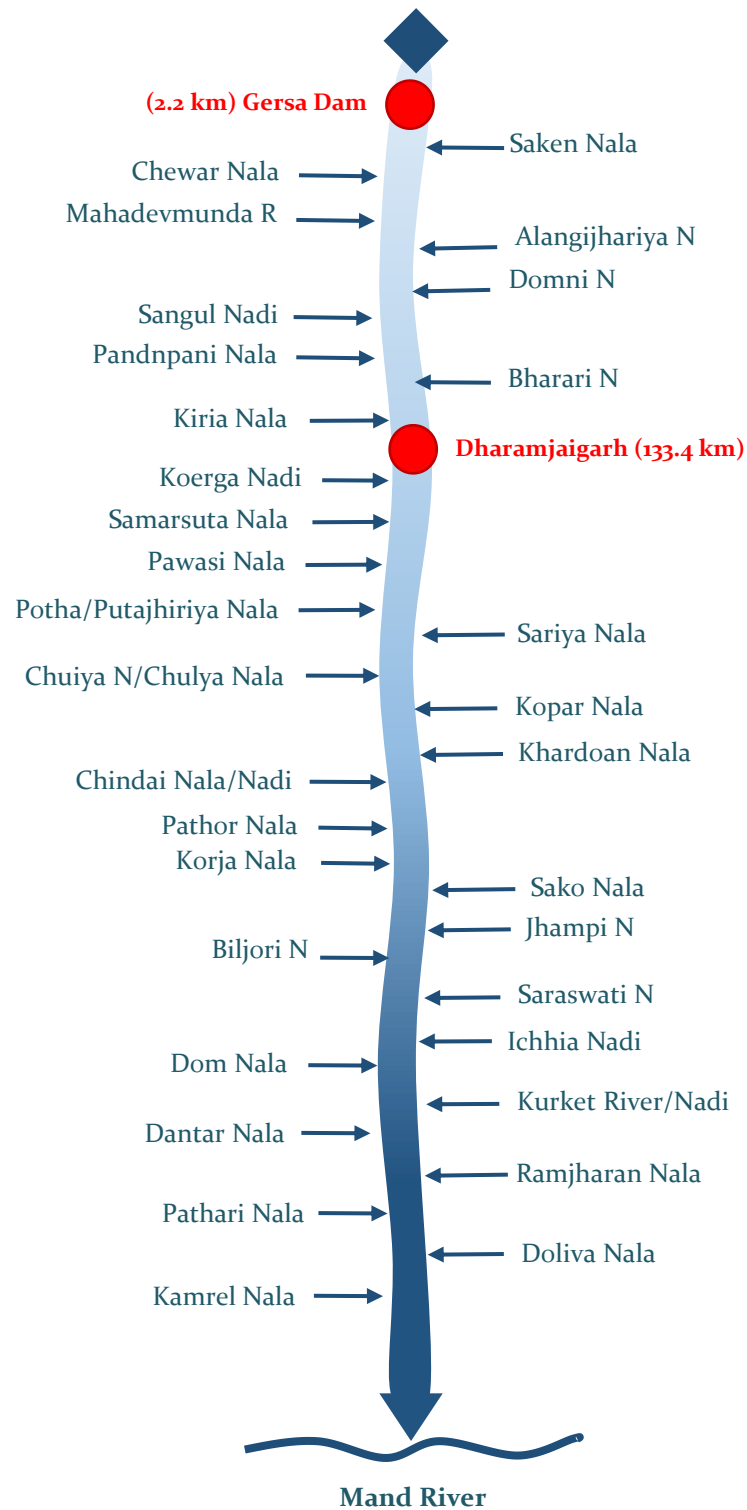


Figure 35: Flow Diagram of Mand River

Table 14: Mand River Mainstem Network

<i>S.No</i>	<i>River Name</i>	<i>Confluence Bank</i>	<i>River Length (Km)</i>	<i>Confluence Co-ordinate</i>		<i>Distance from origin (km)</i>
				<i>Lat</i>	<i>Long</i>	
1	<i>Saken Nala</i>	<i>L1</i>	10.22	22.96	83.46	26.14
2	<i>Chewar Nala</i>	<i>R1</i>	9.80	22.95	83.47	28.57
3	<i>Mahadevmunda R</i>	<i>R2</i>	26.82	22.85	83.49	43.78
4	<i>Alangijhariya N</i>	<i>L2</i>	11.19	22.84	83.50	44.66
5	<i>Domni N</i>	<i>L3</i>	12.87	22.82	83.50	47.64
6	<i>Sangul Nadi</i>	<i>R3</i>	33.51	22.64	83.41	85.66
7	<i>Pandnpani Nala</i>	<i>R4</i>	7.96	22.61	83.37	91.85
8	<i>Bharari N</i>	<i>L4</i>	26.95	22.57	83.37	98.27
9	<i>Kiria Nala</i>	<i>R5</i>	9.04	22.53	83.36	107.01
10	<i>Koerga Nadi</i>	<i>R6</i>	52.29	22.49	83.18	141.19
11	<i>Samarsuta Nala</i>	<i>R7</i>	14.09	22.50	83.16	143.69
12	<i>Pawasi Nala</i>	<i>R8</i>	27.19	22.47	83.14	148.31
13	<i>Potha/Putajhiriya Nala</i>	<i>R9</i>	28.62	22.42	83.11	157.58
14	<i>Sariya Nala</i>	<i>L5</i>	35.25	22.36	83.11	165.79
15	<i>Chuiya N/Chulya Nala</i>	<i>R10</i>	34.37	22.34	83.08	170.09
16	<i>Kopar Nala</i>	<i>L6</i>	18.96	22.32	83.08	171.56
17	<i>Khardoan Nala</i>	<i>L7</i>	16.70	22.31	83.08	172.87
18	<i>Chindai Nala/Nadi</i>	<i>R11</i>	28.68	22.27	83.05	179.01
19	<i>Pathor Nala</i>	<i>R12</i>	5.70	22.22	83.05	185.92
20	<i>Korja Nala</i>	<i>R13</i>	10.69	22.21	83.08	189.82
21	<i>Sako Nala</i>	<i>L8</i>	12.55	22.19	83.10	192.22
22	<i>Jhampi N</i>	<i>L9</i>	17.53	22.17	83.10	194.52
23	<i>Dom Nala</i>	<i>R14</i>	14.76	22.08	83.11	207.80
24	<i>Kurket River/Nadi</i>	<i>L10</i>	88.94	22.05	83.14	212.67
25	<i>Dantar Nala</i>	<i>R15</i>	20.11	21.94	83.21	229.50
26	<i>Ramjharan Nala</i>	<i>L11</i>	11.95	21.91	83.27	237.46
27	<i>Pathari Nala</i>	<i>R16</i>	34.33	21.89	83.27	239.84
28	<i>Doliva Nala</i>	<i>L12</i>	14.13	21.88	83.27	241.22
29	<i>Kamrel Nala</i>	<i>R17</i>	18.64	21.81	83.24	249.94

ONG SUB-BASIN AND ITS RIVER NETWORK

UID Code	08OD345F31450102
Main River Length (km)	219.4
Basin Area (km ²)	5145.60
Number of Named Rivers	45
Length of Named Rivers (km)	1015.70
Major Rivers	Ghensnali Jhor and Utali Jhor

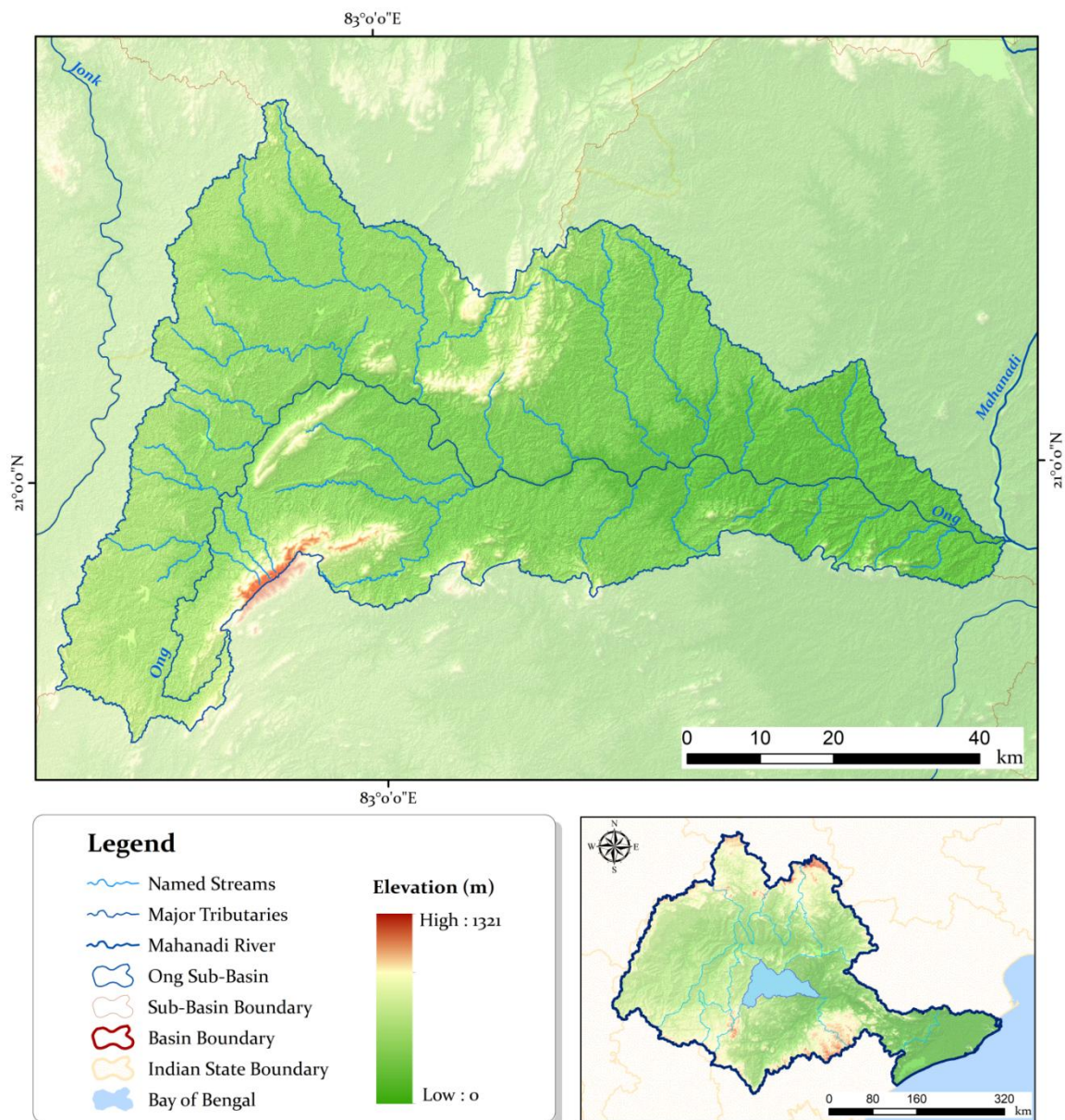


Figure 36: Ong Sub-Basin and it's River Network

ONG SUB-BASIN MAINSTEM FLOW DIAGRAM

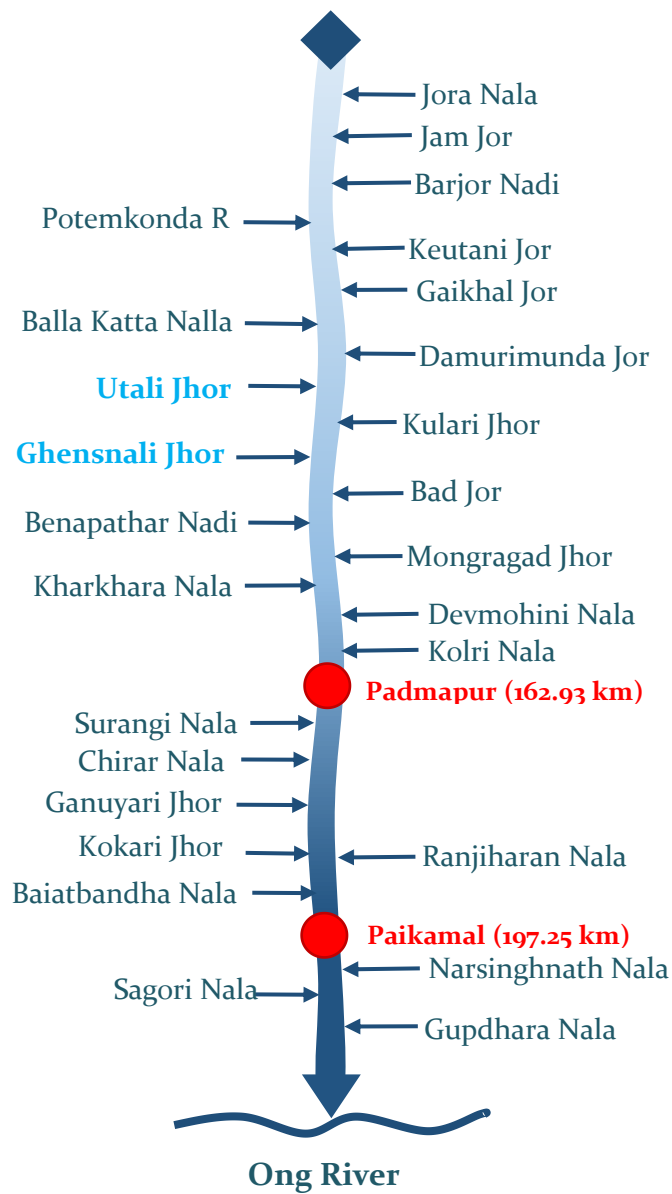


Figure 37: Flow Diagram of Ong River

Table 15: Ong River Mainstem Network

S.No	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Jora Nala	R1	12.5715	83.7665	20.9158	49.867
2	Jam Jor	R2	13.1844	83.7451	20.9252	50.768
3	Barjor Nadi	R3	12.2121	83.6791	20.9471	57.478
4	Potemkonda R	L1	18.4078	83.636	20.9825	59.911
5	Keutani Jor	R4	10.194	83.59	20.9793	62.518
6	Gaikhal Jor	R5	11.7988	83.5433	20.9795	71.458
7	Balla Katta Nalla	L2	14.7583	83.4826	20.9997	75.748
8	Damurimunda Jor	R6	4.4482	83.4641	20.9964	90.991
9	Utali Jhor	L3	42.3756	83.4216	21.015	103.964
10	Kulari Jhor	R7	19.9793	83.4112	21.0043	123.918
11	Ghensnali Jhor	L4	43.3752	83.3849	21.0096	124.238
12	Bad Jor	R8	17.7916	83.3388	20.983	129.278
13	Benapathar Nadi	L5	12.3277	83.3012	21.2046	142.523
14	Mongragad Jhor	R9	2.8781	83.2643	21.0152	152.546
15	Kharkhara Nala	L6	16.1283	83.1607	21.0048	159.408
16	DevMohini Nala	R10	7.8441	83.1248	20.984	162.587
17	Kolri	R11	34.82	82.89	21.05	162.93
18	Surangi Nala	L7	49.756	82.8766	21.2501	164.2697
19	Chirar Nala	L8	39.6597	82.9499	21.1292	170.008
20	Ganuyari Jhor	L9	18.7409	82.8555	21.067	172.238
21	Kokari Jhor	L10	18.4679	82.8297	21.0411	175.238
22	Ranjiharan Nala	R12	16.2819	82.8048	20.982	185.478
23	Baiatbandha Nala	L11	3.2337	82.7852	20.9807	190.758
24	Narsinghnath Nala	R13	14.8563	82.783	20.9644	197.248
25	Sagori Nala	L12	1.6782	82.7647	20.9207	206.308
26	Gupdhara Nala	R14	9.9738	82.7679	20.9144	209.158

JONK SUB-BASIN AND ITS RIVER NETWORK

UID Code	08OD368F31550106
Main River Length (km)	192.937
Basin Area (km ²)	3455.47
Number of Named Rivers	55
Length of Named Rivers (km)	813.91
Major Rivers	Karmel and Kantra

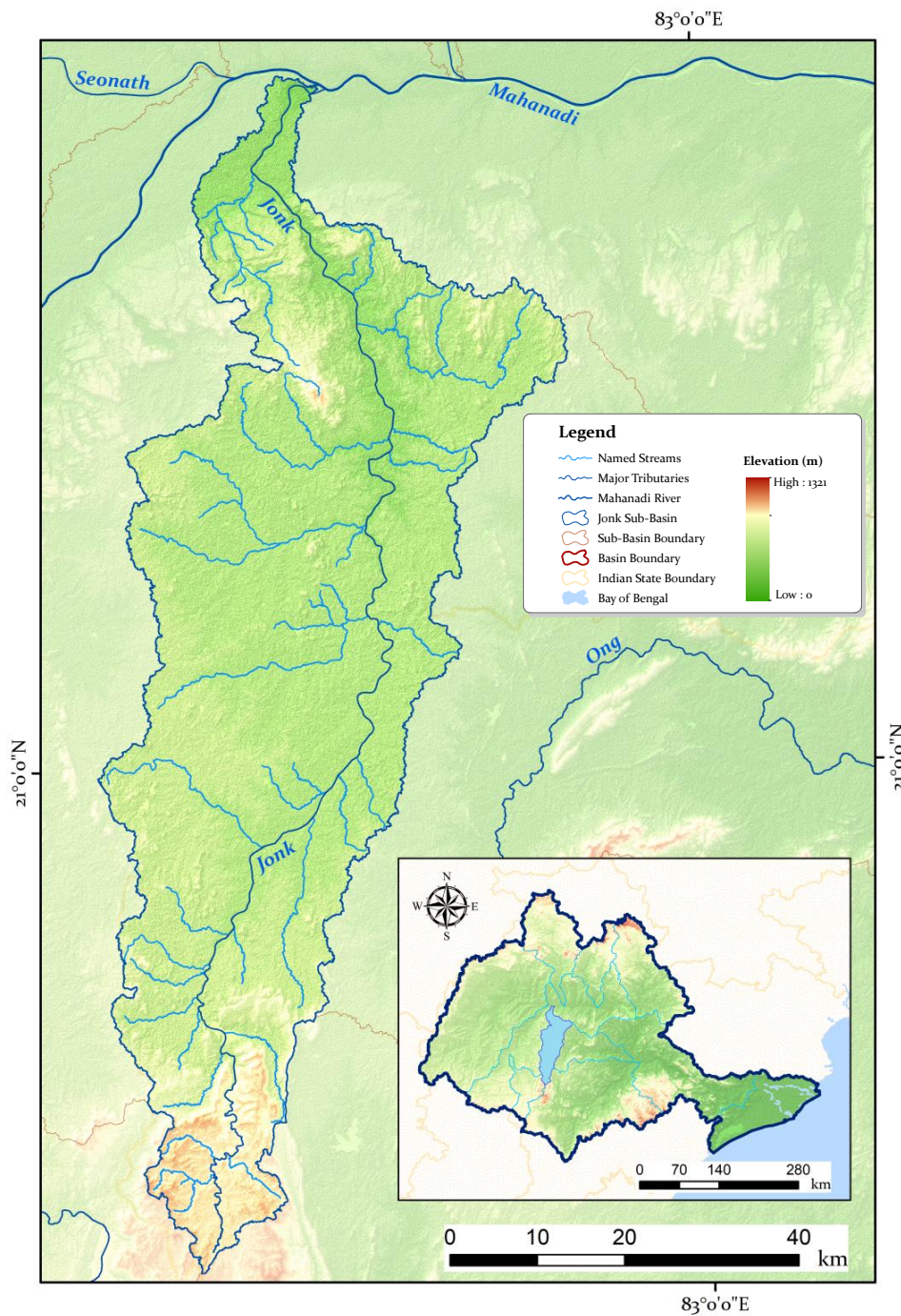


Figure 38: Jonk Sub-Basin and it's River Network

JONK SUB-BASIN MAINSTEM FLOW DIAGRAM

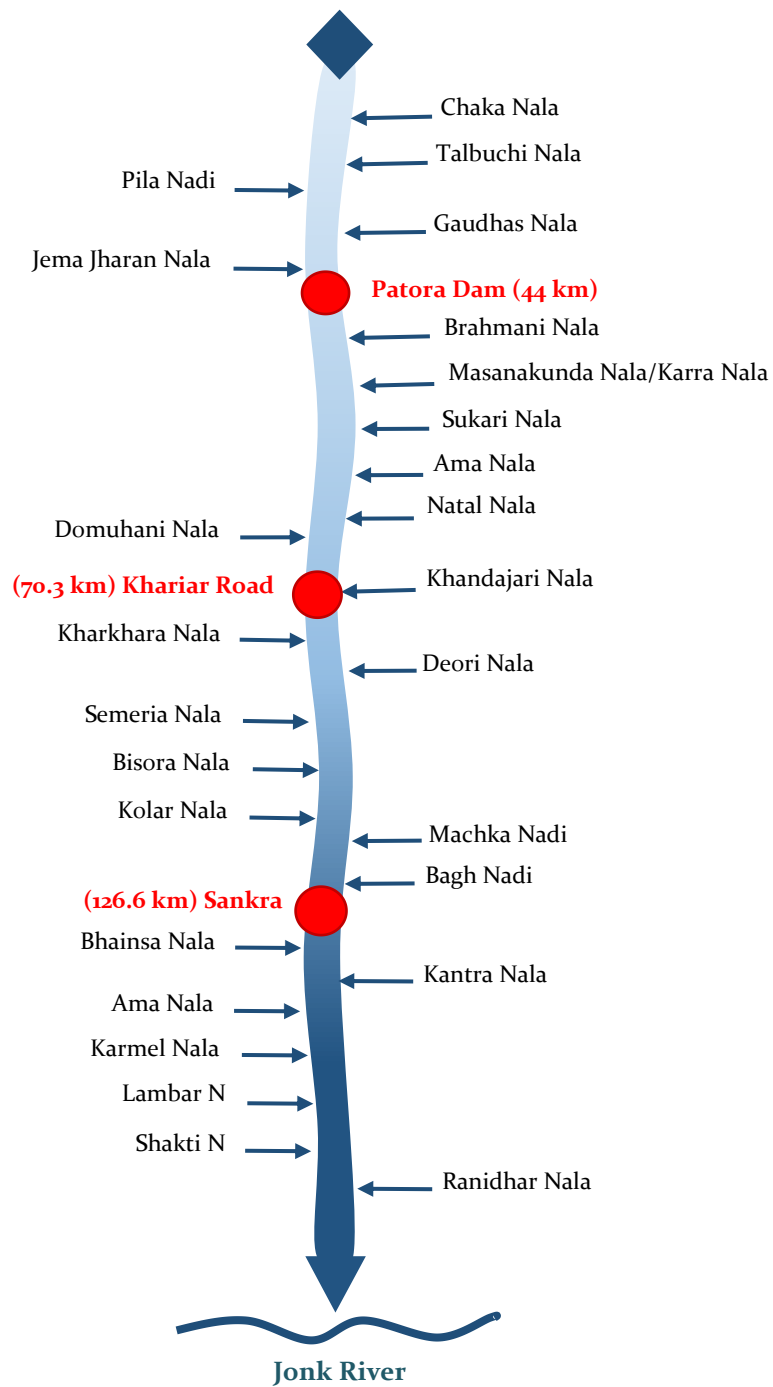


Figure 39: Flow Diagram of Jonk River

Table 16: Jonk River Mainstem Network

<i>S.No</i>	<i>River Name</i>	<i>Confluence Bank</i>	<i>River Length (Km)</i>	<i>Confluence Co-ordinate</i>		<i>Distance from origin (km)</i>
				<i>Lat</i>	<i>Long</i>	
1	Chaka Nala	L1	12.07	20.57	82.44	13.85
2	Talbuchi Nala	L2	11.28	20.59	82.44	16.63
3	Pila Nadi	R1	10.87	20.59	82.46	20.10
4	Gaudhas Nala	L3	14.15	20.70	82.45	39.15
5	Jema Jharan Nala	R2	19.25	20.72	82.46	41.75
6	Brahmani Nala	L4	9.31	20.75	82.43	46.15
7	Masanakunda Nala/Karra Nala	L5	11.23	20.76	82.43	48.58
8	Sukari Nala	L6	12.28	20.79	82.44	52.08
9	Ama Nala	L7	15.12	20.80	82.44	53.31
10	Natal Nala	L8	13.32	20.83	82.46	57.54
11	Domuhani Nala	R3	8.37	20.83	82.47	58.66
12	Khandajari Nala	L9	12.89	20.92	82.50	70.34
13	Kharkhara Nala	R4	7.68	20.95	82.56	77.05
14	Deori Nala	L10	12.55	20.98	82.57	80.52
15	Semeria Nala	R5	13.48	20.99	82.59	83.22
16	Bisora Nala	R6	10.74	21.01	82.61	86.00
17	Kolar Nala	R7	14.05	21.15	82.64	107.29
18	Machka Nadi	L11	19.45	21.16	82.62	109.29
19	Bagh Nadi	L12	11.61	21.25	82.62	122.44
20	Bhainsa Nala	R8	14.41	21.33	82.65	136.02
21	Kantra Nala	L13	31.99	21.35	82.65	137.76
22	Ama Nala	R9	13.18	21.36	82.66	138.93
23	Karmel Nala	R10	43.88	21.47	82.62	152.91
24	Lambar N	R11	15.17	21.50	82.61	156.57
25	Shakti N	R12	4.95	21.51	82.60	159.06
26	Ranidhar Nala	L14	10.65	21.63	82.51	176.31

PAIRI SUB-BASIN AND ITS RIVER NETWORK

UID Code	08CG645R44539901
Main River Length (km)	128.69
Basin Area (km ²)	3242.60
Number of Named Rivers	70
Length of Named Rivers (km)	949.07
Major Rivers	Sondur, Lilanj, Kajal, and Ninar

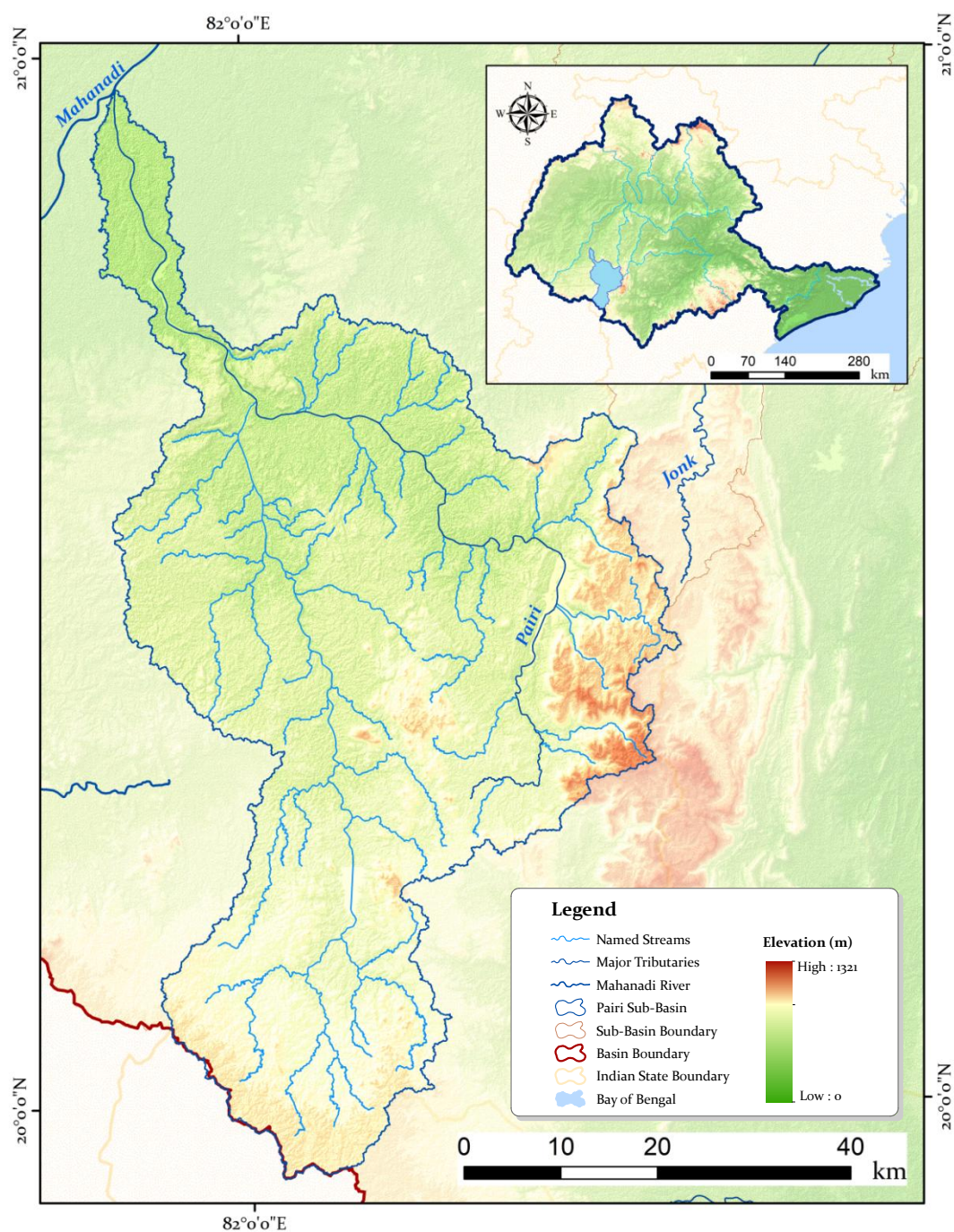


Figure 40: Pairi Sub-Basin and it's River Network

PAIRI SUB-BASIN MAINSTEM FLOW DIAGRAM

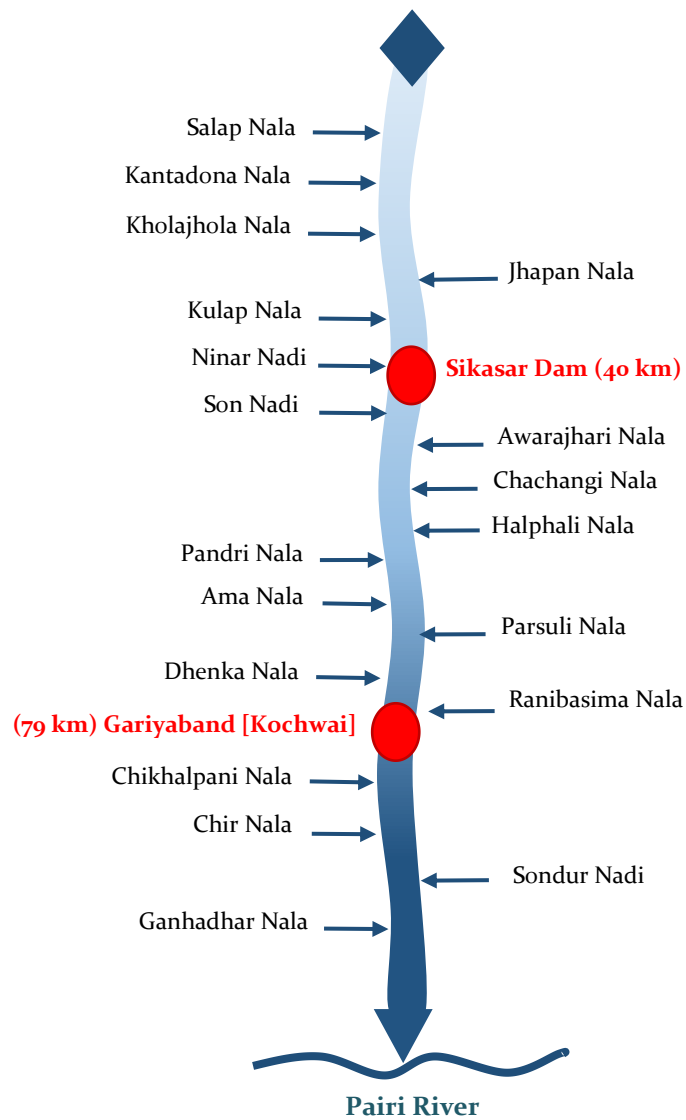


Figure 41: Flow Diagram of Pairi River

Table 16: Pairi River Mainstem Network

.No	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Salap Nala	R1	7.90	20.31	82.26	5.88
2	Kantadona Nala	R2	8.11	20.34	82.30	15.84
3	Kholajhola Nala	R3	11.02	20.36	82.29	17.72
4	Jhapan Nala	L1	17.15	20.39	82.27	21.91
5	Kulap Nala	R4	12.49	20.47	82.31	34.36
6	Ninar Nadi	R5	12.79	20.47	82.31	34.62
7	Son Nadi	R6	19.14	20.54	82.29	43.53
8	Awarajhari Nala	L2	11.95	20.53	82.24	51.77
9	Chachangi Nala	L3	13.60	20.53	82.23	53.23
10	Halphali Nala	L4	9.06	20.54	82.20	56.21
11	Pandri Nala	R7	8.98	20.58	82.20	61.23
12	Ama Nala	R8	6.86	20.62	82.18	66.24
13	Parsuli Nala	L5	6.29	20.62	82.16	68.44
14	Dhenka Nala	R9	12.06	20.65	82.14	72.44
15	Ranibasima Nala	L6	17.70	20.65	82.11	75.60
16	Chikhalpani Nala	R10	13.73	20.66	82.06	80.54
17	Chir Nala	R11	5.04	20.66	82.05	81.61
18	Sondur Nadi	L7	83.51	20.67	82.01	87.25
19	Ganhadhar Nala	R12	10.27	20.72	81.98	94.18

Acknowledgement

The Centre for Mahanadi River Basin Management and Studies (cMahanadi), NIT Raipur and NIT Rourkela expresses its sincere gratitude to the following agencies and institutions for their invaluable support and contributions in the preparation of the "Hydrological data" report for the Mahanadi Basin:

We extend our thanks to the following agencies for providing data and support in the preparation of the report –

- Water Resources Department (WRD), Government of Chhattisgarh
- Survey of India (SOI)
- Central Water Commission (CWC), India
- Central Ground Water Board (CGWB), India
- Central Pollution Control Board (CPCB), India
- National Water Information Centre (NWIC), India
- Dept. of Urban Administration and Development, Govt. Of Chhattisgarh
- Dept. of Housing & Urban Development Govt. Of Odisha
- National Remote Sensing Centre (NRSC)
- Shuttle Radar Topography Mission (SRTM)
- Environmental Systems Research Institute (ESRI)
- India Water Resource Information System (WRIS)



**Center for Mahanadi River Basin Management & Studies
(cMahanadi)
NIT Raipur & NIT Rourkela**