



National River Conservation Directorate

Department of Water Resources, River Development & Ganga Rejuvenation
Ministry of Jal Shakti
Government of India



NARMADA

RIVER BASIN ATLAS

September 2025

(Version 1)



cNarmada



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NARMADA

RIVER ATLAS

SEPTEMBER 2025

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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 Narmada River Basin Management Studies (cNarmada)

The Centres for Narmada River Basin Management Studies (cNarmada) is a Brain Trust dedicated to River Science and River Basin Management. Established in 2024 by IIT Gandhinagar and IIT Indore, under the supervision of cGanga at IIT Kanpur, the center serves as a knowledge wing of the National River Conservation Directorate (NRCD). cNarmada is committed to restoring and conserving the Narmada River and its resources through the collation of information and knowledge, research and development, planning, monitoring, education, advocacy, and stakeholder engagement. (www.cnarmada.org)

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Acknowledgment

This report is a comprehensive outcome of the project jointly executed by IIT Gandhinagar (Lead Institute) and IIT Indore (Fellow Institute) under the supervision of cGanga at IIT Kanpur. It was submitted to the National River Conservation Directorate (NRCD) in 2025. We gratefully acknowledge the individuals who provided information and photographs for this report.

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Disclaimer

This report is a preliminary version prepared as part of the ongoing Condition Assessment and Management Plan (CAMP) project. The analyses, interpretations and data presented in the report are subject to further validation and revision. Certain datasets or assessments may contain provisional or incomplete information, which will be updated and refined in the final version of the report after comprehensive review and verification

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PREFACE

The Narmada River, often referred to as the lifeline of central and western India, holds unparalleled significance for the region's water resources, ecosystems, and communities. Its hydrological complexity, combined with its ecological and cultural heritage, underscores the critical need for its preservation and sustainable management. In the face of mounting challenges such as climatic variability, groundwater depletion, and increasing anthropogenic pressures, a comprehensive understanding of the Narmada River Basin's hydrology is more important than ever.

This report, centered on the hydrological characteristics of the Narmada River Basin, is an effort to provide an in-depth analysis of key parameters such as streamflow, water levels, groundwater trends, and climatic variations. Drawing on extensive data collection and advanced methodologies, it presents a spatial and temporal perspective on the basin's water resources and their interdependencies. From rainfall patterns to groundwater recharge dynamics, this report aims to uncover critical insights into the factors shaping the basin's hydrological profile.

The findings and recommendations presented in this report are intended to serve as a guiding framework for policymakers, researchers, and practitioners committed to sustainable water management in the Narmada Basin. By identifying trends and challenges, it aspires to inform climate-resilient strategies, enhance water resource planning, and support the development of policies that balance ecological preservation with socioeconomic progress.

We are deeply grateful to all individuals, organizations, and institutions that contributed to the preparation of this report. Their dedication, expertise, and support have been instrumental in shaping this study. It is our hope that this report will inspire collaborative efforts and meaningful action toward the long-term health and sustainability of the Narmada River and its basin.

Centre for Narmada River Basin
Management and Studies (cNarmada)
IIT Gandhinagar, IIT Indore

ACRONYMS AND ABBREVIATIONS

cGanga	:	Centre for Ganga River Basin Management and Studies
cNarmada	:	Centre for Narmada River Basin Management and Studies
CWC	:	Central Water Commission
GoI	:	Government of India
DEM	:	Digital Elevation Model
GIS	:	Geographic Information System
HE	:	Hydroelectric
km	:	Kilometre
RS	:	Remote Sensing
NCA	:	Narmada Control Authority
m	:	Meter
MP	:	Madhya Pradesh
CH	:	Chhattisgarh
GJ	:	Gujarat
MH	:	Maharashtra
MPWRD	:	Madhya Pradesh Water Resources Department
MPSEB	:	Madhya Pradesh State Electricity Board
mm	:	Millimeter
NHPC	:	National Hydroelectric Power Corporation
NHDC	:	Narmada Hydroelectric Development Corporation Ltd
NVDA	:	Narmada Valley Development Authority
sq. km	:	Square Kilometer
SOI	:	Survey of India

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INTRODUCTION

The Narmada River Basin extends from 21°40'12" to 23°41'24" N latitudes and 72°48'36" to 81°45'36" E longitudes, encompassing a total area of 97,560.80 sq. km, which constitutes about 3% of India's total geographical area (3,297,427.32 sq. km). Bounded by the Vindhyan ranges to the north, the Maikala hills to the east, the Satpura ranges to the south, and the Arabian Sea to the west, the basin lies at the northern extremity of the Deccan Plateau and covers significant portions of Madhya Pradesh and Gujarat, with smaller parts extending into Chhattisgarh and Maharashtra. The basin spreads over 39 districts, comprising 27 districts of Madhya Pradesh, six of Gujarat, four of Chhattisgarh, and two of Maharashtra. The Narmada Basin exhibits an elongated shape, stretching about 915.65 km east to west and about 236 km north to south. The basin experiences a tropical monsoon climate characterized by distinct wet and dry seasons, with average annual rainfall ranging from 800 to 1200 mm. The Narmada River, the longest west-flowing river of India, drains into the Arabian Sea near Bharuch in Gujarat and is further sub-divided into Upper, Middle and Lower Narmada River basins (Figure 1). Thus, the present volume represents the first comprehensive attempt to map the extensive and intricate river network of the Narmada Basin in as fine a detail as possible. Much of the information contained in this River Atlas has been generated from high-resolution satellite imagery and processed using advanced data and image analysis tools on a Geographic Information System (GIS) platform. While every effort has been made to ensure accuracy and completeness, minor omissions such as small or ephemeral streams may remain, which are expected to be refined and included in future versions. A river atlas attains greater significance when complemented with other natural and anthropogenic datasets such as rainfall and climatic distribution, surface water bodies, forest cover, elevation, soil types, geomorphological and physiographic features, land use patterns, pilgrimage and cultural centers, and infrastructural elements like roads and highways. These thematic datasets are being systematically compiled and will be integrated in subsequent, more comprehensive editions of this Atlas. In the meantime, it is hoped that this Atlas will serve as a valuable reference and an informative window into the Narmada River Basin's diverse, dynamic, and ecologically significant riverine system.

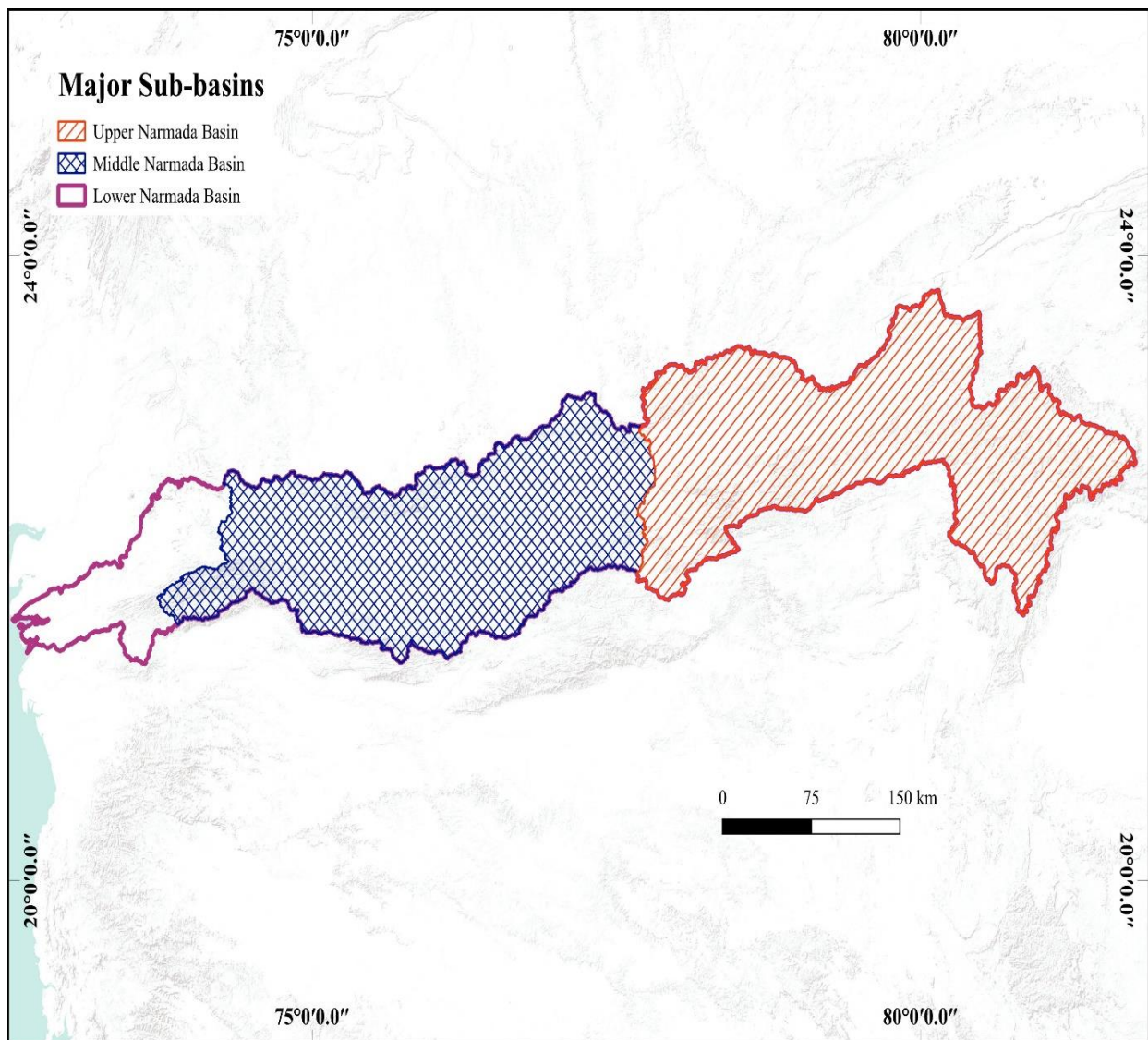


Figure 1: Major Sub-Basins of Narmada River Basin

Table 1: Narmada Basin Salient Features

Sl No.	Particulars	Details
1	Basin Extent	Latitude: 21° 40' 12" to 23° 41' 24" N Longitude: 72° 48' 36" to 81° 45' 36" E
2	Total Geographical Area	97560.80 sq. km
3	States and their % area contribution in the basin:	Madhya Pradesh (87.82%), Gujarat (9.72%), Chhattisgarh (0.72%) & Maharashtra (1.73%)
	Spatial Variation of Elevation	<5 m: 2.42 %; 5-10 m: 0.15%; 10-50 m: 1.12%. 50-100m: 2.42%; 100-200 m: 11.68%; 200-300 m: 27.26%; 300-400 m: 20.30%; 400-500m: 12.86%; 500-750m: 18.40%; 750-1000m: 3.25%; 1000-1261 m: 0.14%
4	Population	20,799,195 (Census, 2011)
5	Average Temperature Range (°C)	24.92 - 27.39
6	Mean Maximum Temperature (°C) (1970-2023)	32.47
7	Mean Minimum Temperature (°C) (1970-2023)	19.01
8	Mean Annual Rainfall (mm) (1970-2023)	1110.83
9	Highest Elevation (m)	1261
10	Major Rivers	Hiran, Tondoni, Barna, Kolar, Man, Uri, Harni, Orsang, Burhner, Banjar, Sher, Shakkar, Dudhi, Tawa, Ganjal, Chhota Tawa
11	Districts	39
12	Number of Water Resources Structures	Dams-277; Barrages-2; Weirs-2; Lifts-4; Power Houses-9
13	Highest Dam	Sardar Sarover dam-163 m
14	Longest Dam	Rani Avanti Bai Sagar -Bargi (NVDA) Dam-5.357 km
15	Highest Barrage	Kolar barrage-15.5 m
16	Longest Barrage	Kolar barrage-1.195 km
17	Number of Irrigation Projects	Major-21; Medium-23; ERM-1
18	Number of HE projects	6
19	Number of Ground Water Observation Wells	393
20	Number of Hydro-Observation sites	29
21	Number of Flood Forecasting Sites	4
22	Water Tourism and Sport Sites	27

**Source: Central Water Commission and National Remote Sensing Centre, Ministry of Jal Shakti, Government of India (2014a) Basin Report of Narmada Basin. Retrieved from <https://indiawris.gov.in/downloads/Narmada%20Basin.pdf>*

INDIA: ADMINISTRATIVE DIVISIONS (GEOGRAPHICAL)

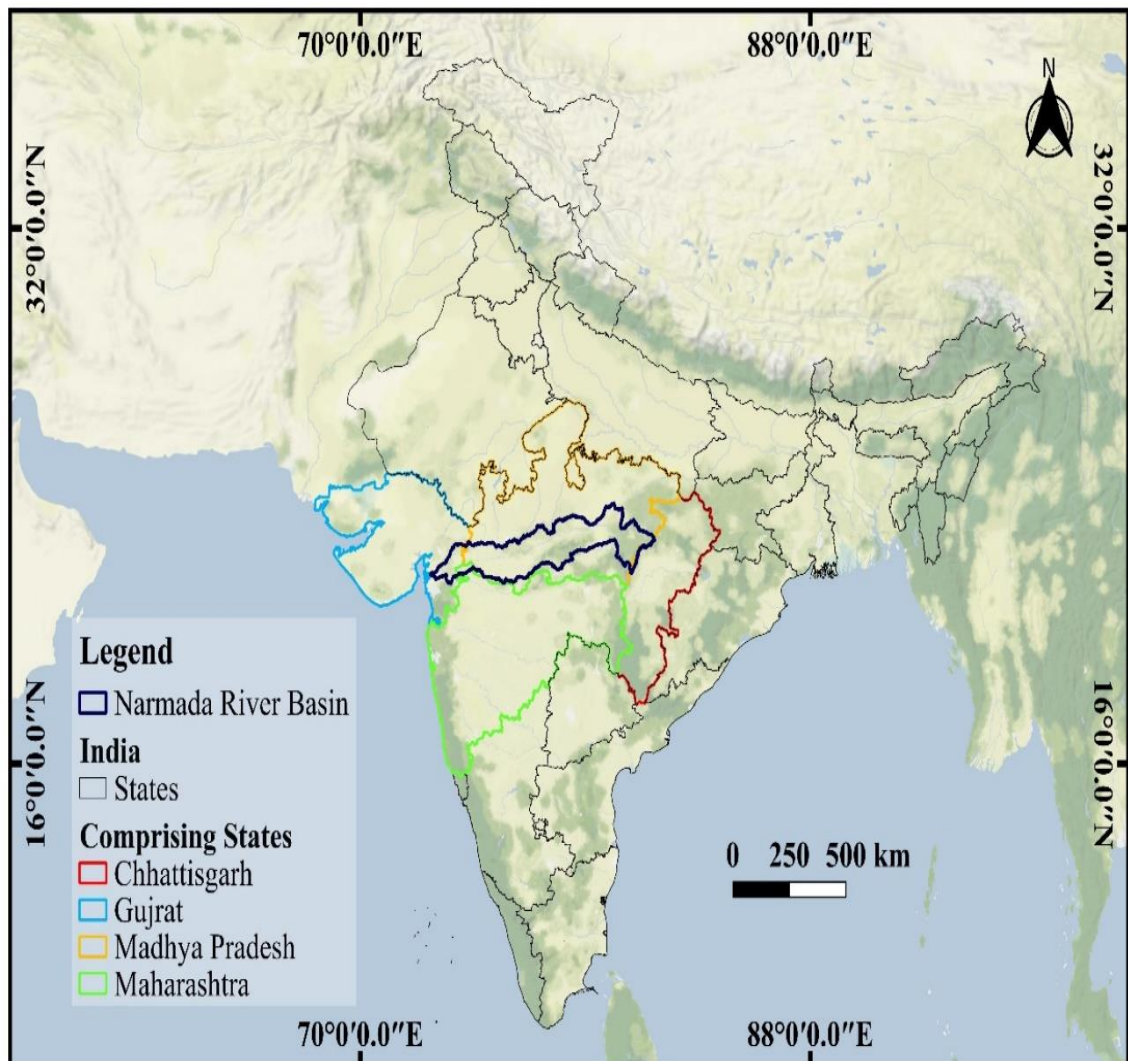


Figure 2 : India Administrative Divisions (Geographical)

NARMADA RIVER BASIN: ADMINISTRATIVE DIVISIONS (GEOGRAPHICAL)

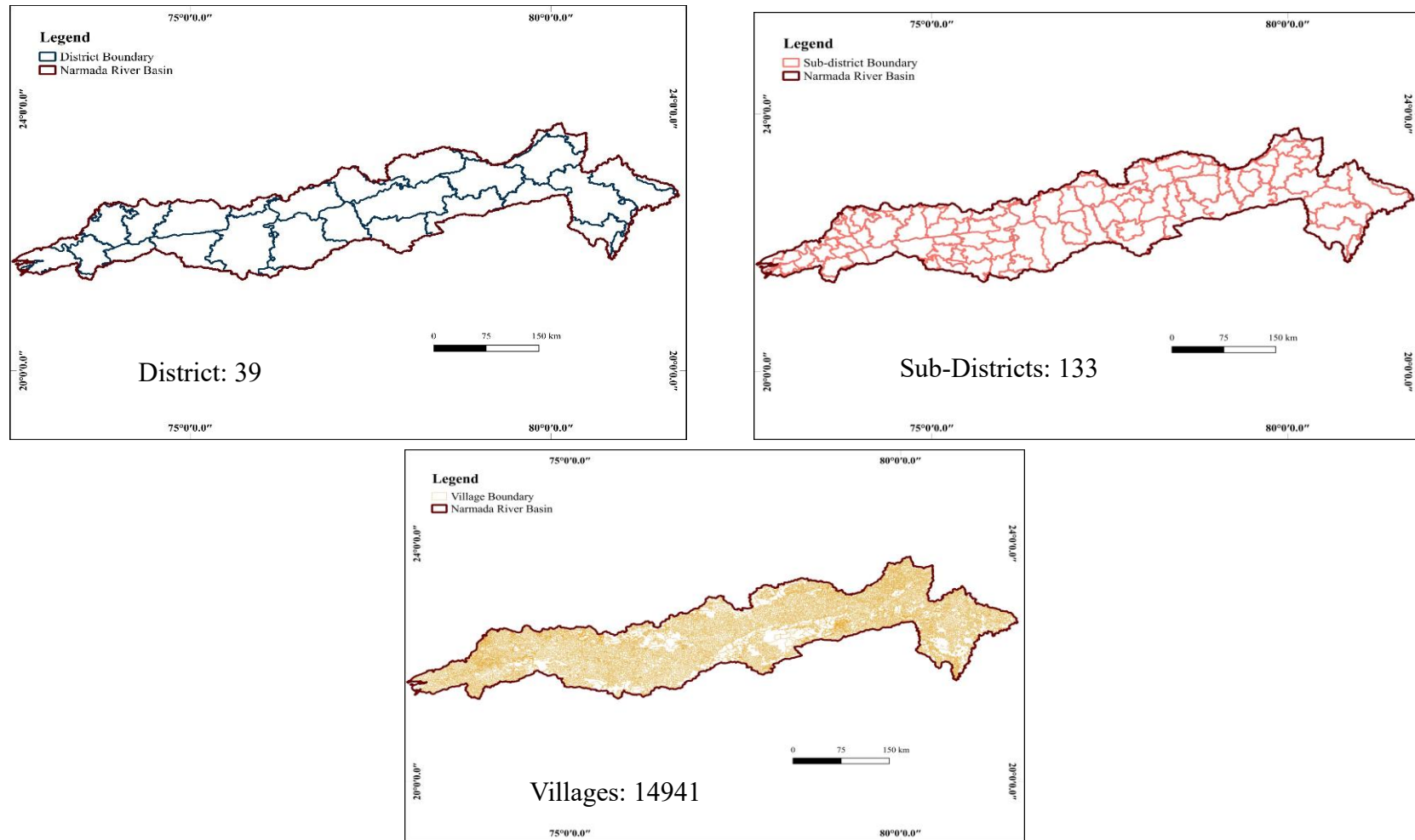
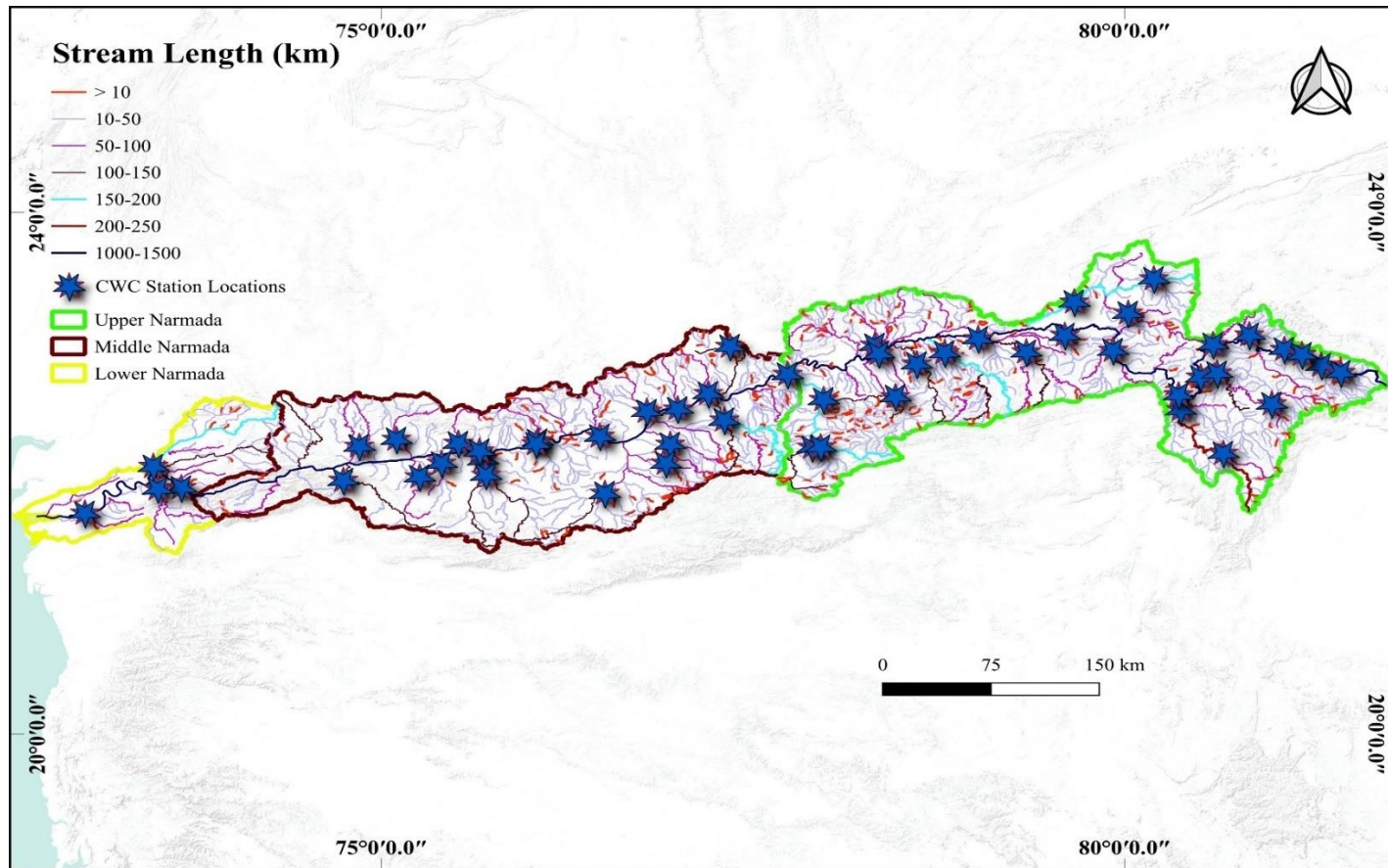


Figure 3: Narmada River Basin Administrative Divisions (Geographical)

Source: SOI

NARMADA BASIN: CWC RIVER HYDROLOGICAL MEASUREMENT STATIONS



Source: CWC

Figure 4: Narmada Basin CWC River Hydrological Measurement Stations

NARMADA BASIN: DAMS

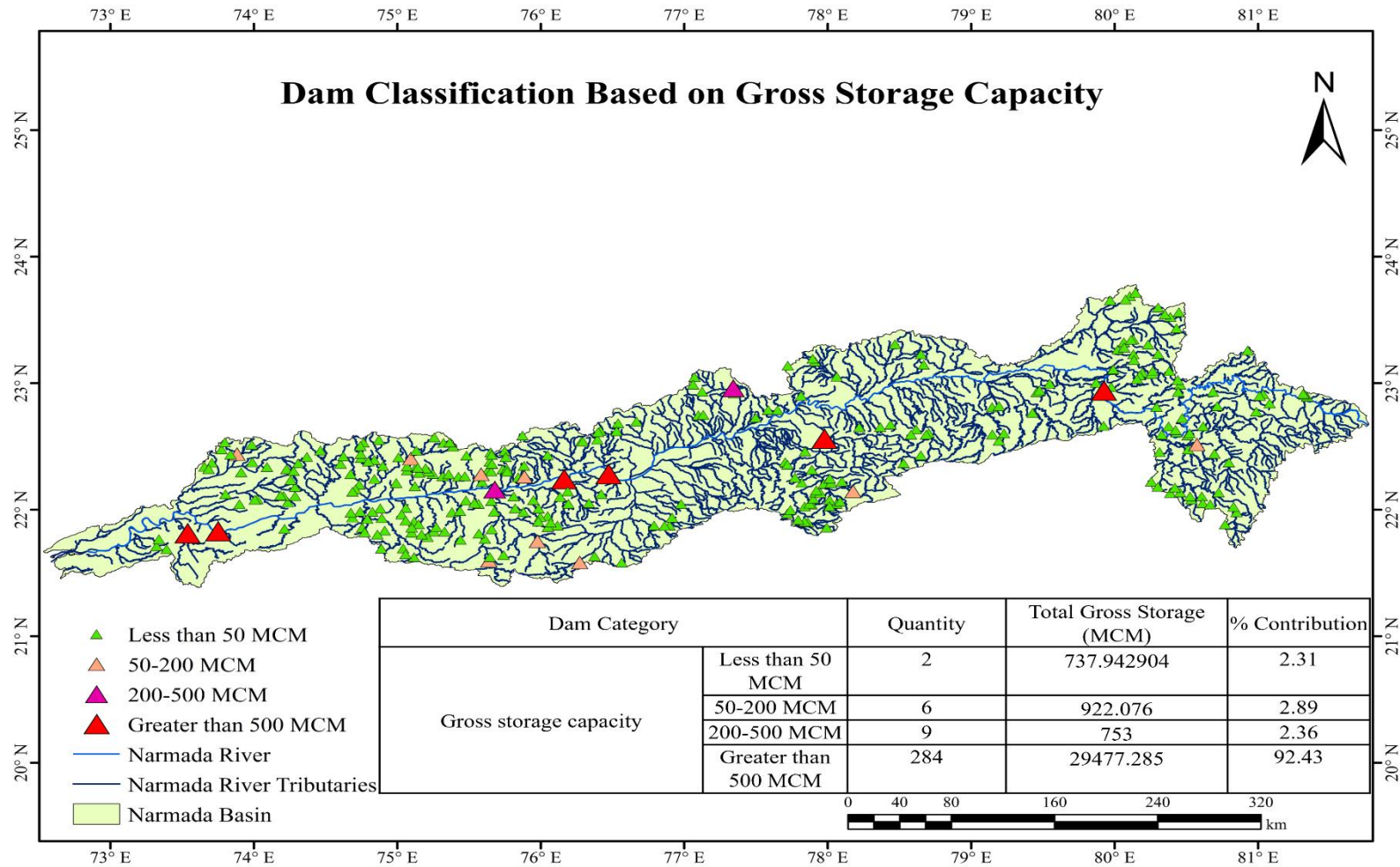


Figure 5: Dam Classification Based on Gross Storage Capacity

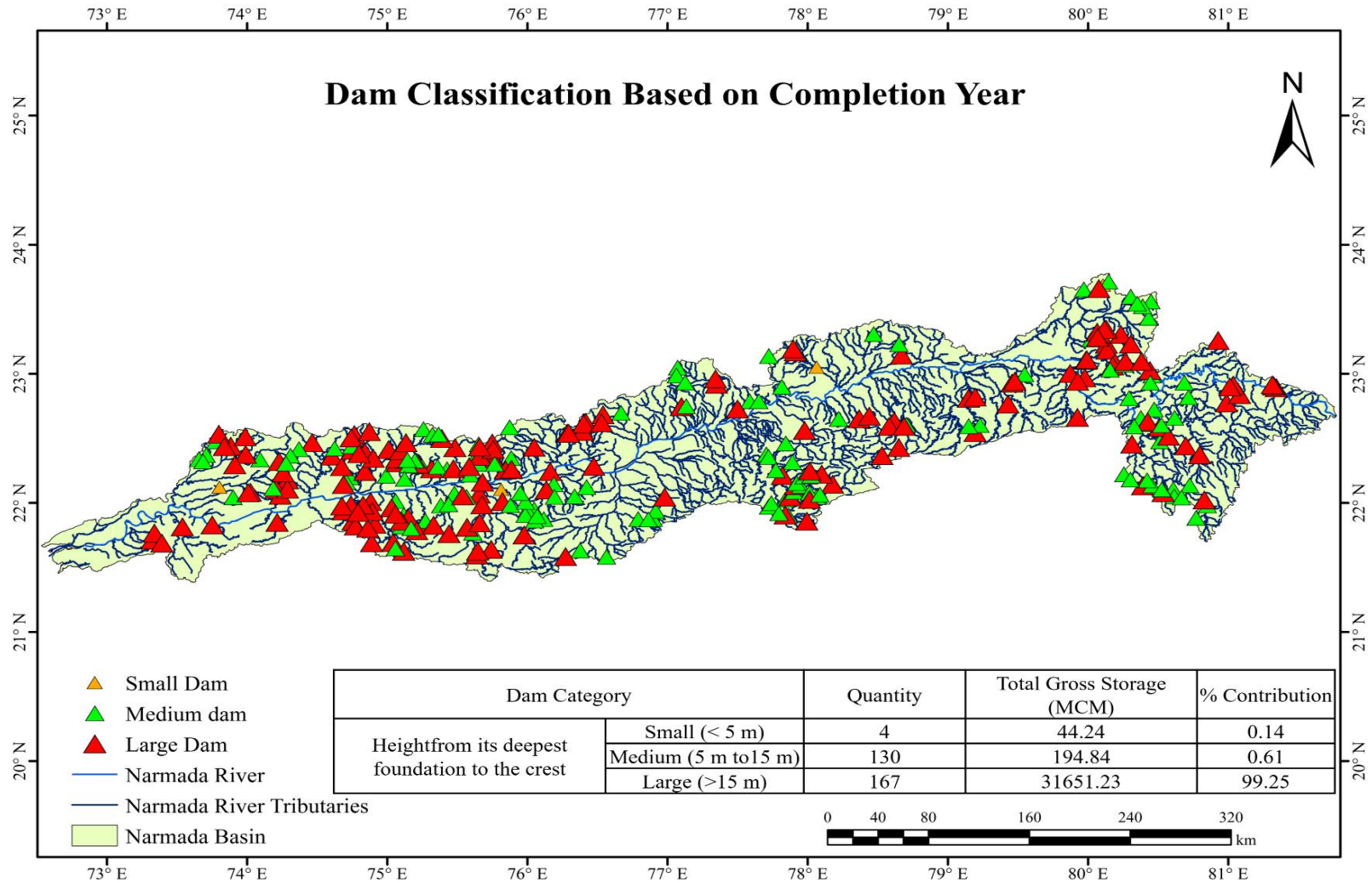


Figure 6: Dam Classification Based on Completion Year

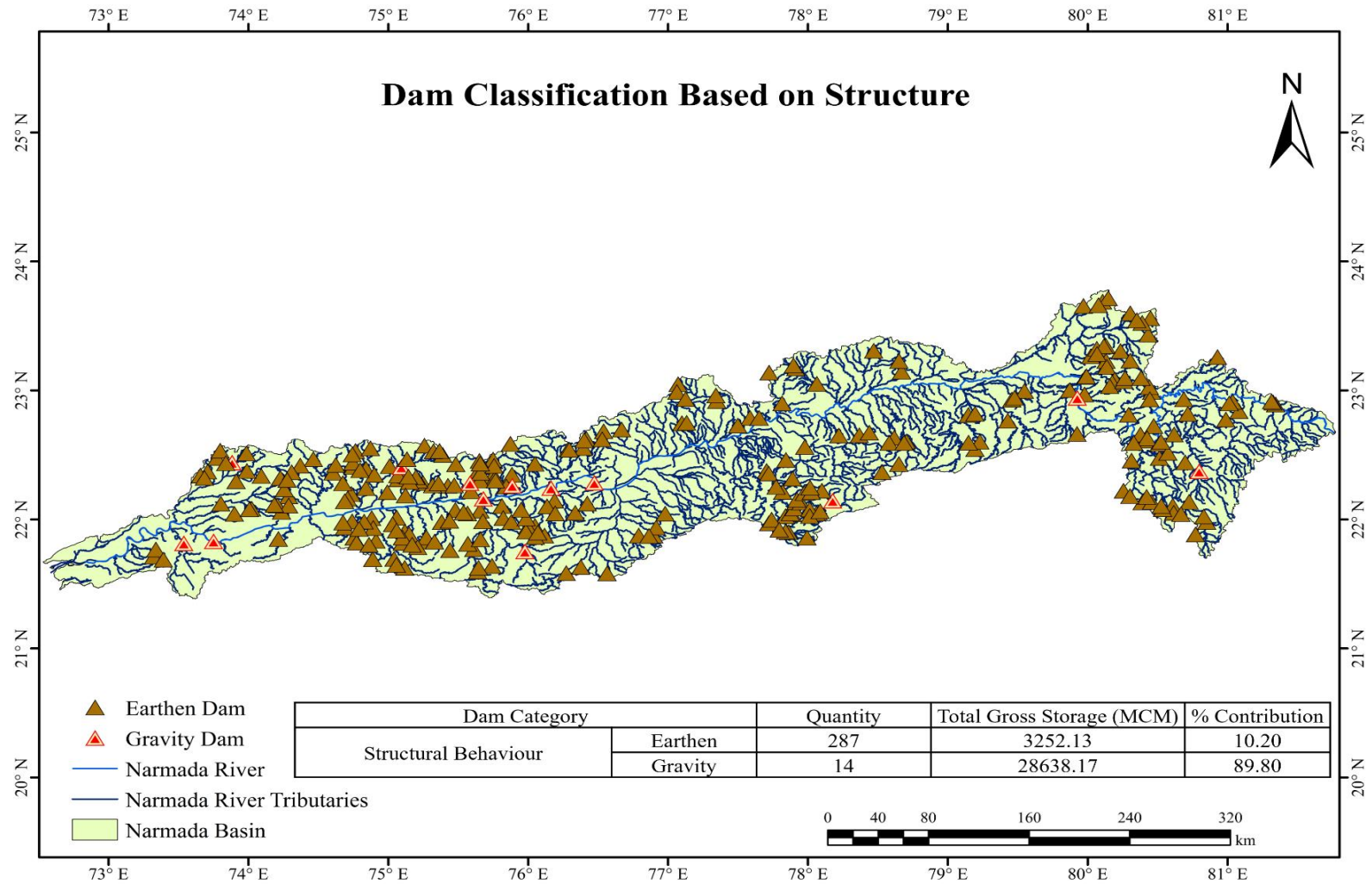


Figure 7: Dam Classification Based on Structure

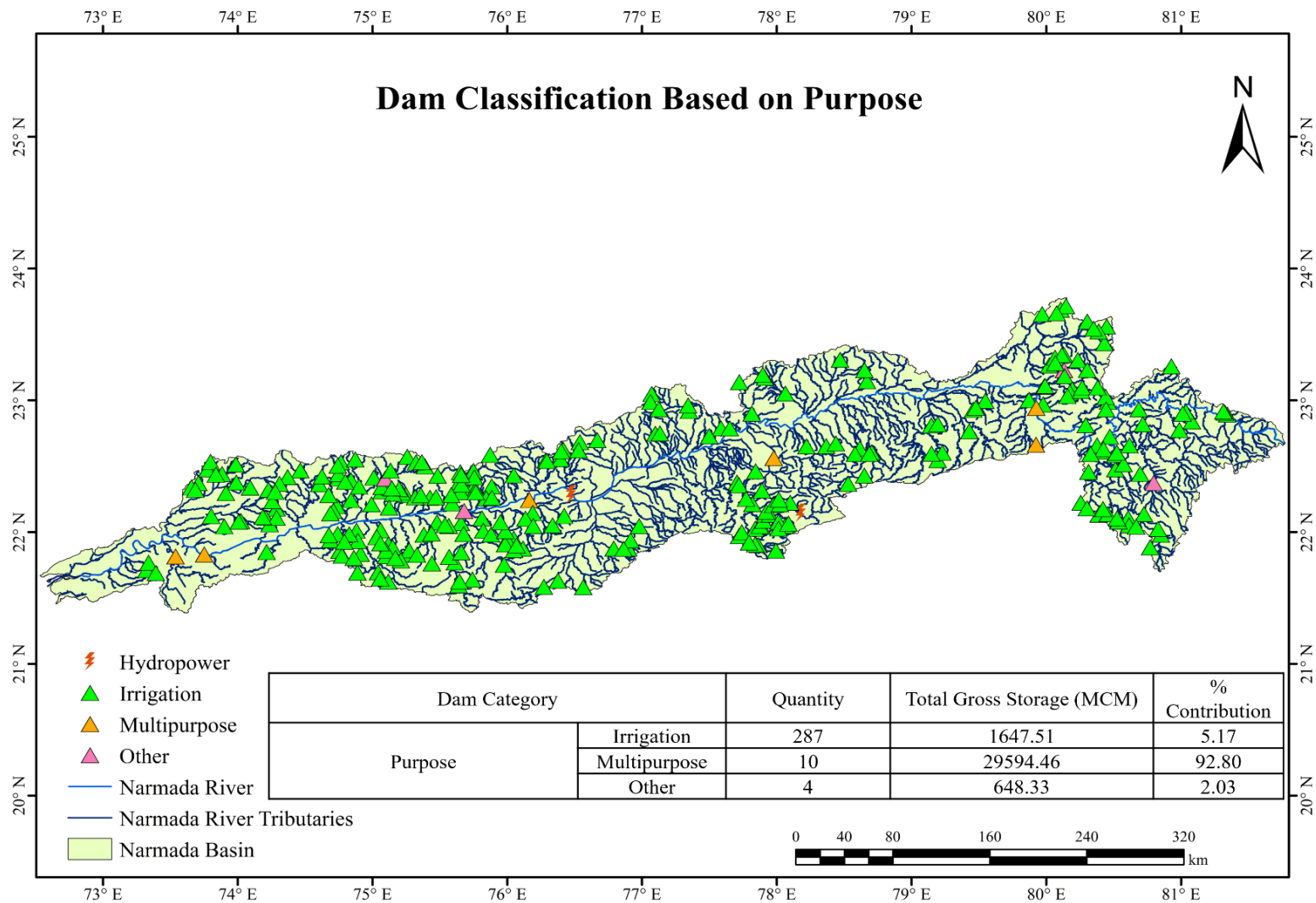


Figure 8: Dam Classification Based on Purpose

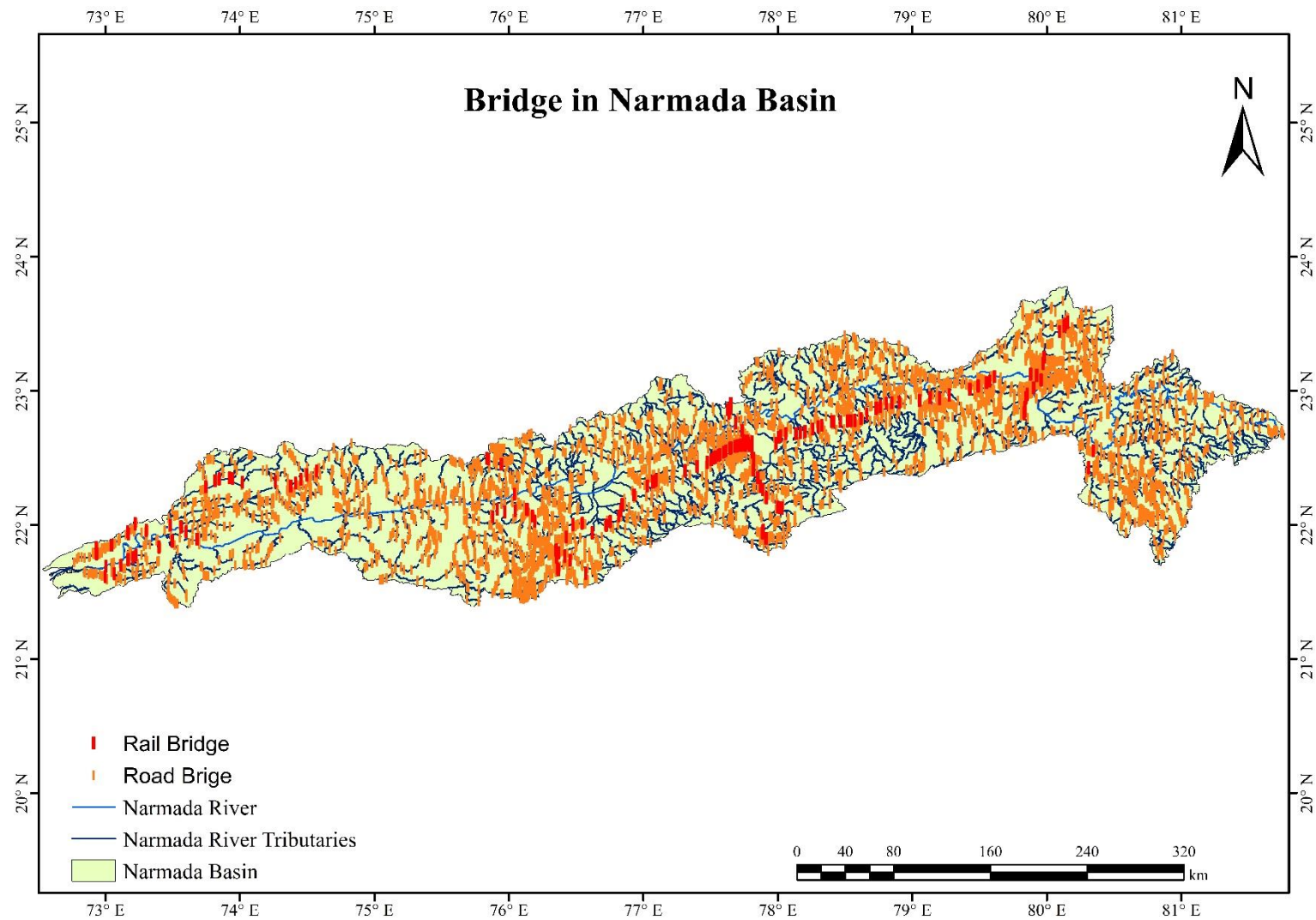


Figure 9 Bridges in Narmada Basin

Table 2: Major water resources project located within the Narmada River basin

Sl. No	Name of Project	River	Capacity Gross/ Live (hm ³)	Utilisation (hm ³)
1	Karjan	Karjan	630	NA
2	Sardar Sarovar	Narmada		7475.4
3	Jobat	Hathni	77.84/70.04	47.77
4	Lower Goi	Goi	-	-
5	Man	Man	145.03/126.87	114.43
6	Upper Beda	Beda	91.82/76.24	7.58
7	Maheshwar	Narmada	-	-
8	Omkareshwar	Narmada	987/299	-
9	Indira Sagar	Narmada	12220/9750	354.11
10	Sukta	Sukta	89.5/78.05	76.21
11	Ganjal	Ganjal	-	-
12	Morand	Morand	-	-
13	Kolar	Kolar	270/265	209.29
14	Tawa	Tawa	2310/2050.5	1673.49
15	Barna	Barna	539/455.78	372.79
16	Dudhi	Dudhi	-	-
17	Sitareva	Sitareva	-	-
18	Sakkar	Sakkar	-	-
19	Machreva	Machreva	-	-
20	Sher	Sher	-	-
21	Chinki	Narmada	-	-
22	Ataria	Hiran	-	-
23	Rani Awanti Bai Sagar (Bargi)	Narmada	3920/3180	335.8
24	Matiyari	Matiyari	56.8/51.12	17.4
25	Basania	Narmada	-	-
26	Halon	Halon	-	-
27	Upper Burner	Burner	-	-
28	Roosira	Narmada	-	-
29	Raghavpur	Narmada	-	-
30	Upper Narmada	Narmada	-	-

Table 3: Medium water resources project located within the Narmada River basin

Sl. No.	Name of project	River/Tributary	Capacity Gross/Live (hm ³)	Utilisation (hm ³)
1	Jalgaon	Banjar/Local Nalla	2.33/2.17	1.69
2	Banjar	Banjar/Gahra Nalla	14.76/13.71	5.72
3	Bohribund tank	Bhuta Nalla/Hiran	36.93/34.47	54.24
4	Bichhia tank	Kolar Nalla/Banjar	7.87/7.23	6.37
5	Dhuandhar tank	Dhuandhar Nalla/Banjar	5.26/5.11	4.62
6	Mehgaontola tank	Bidri Nalla/Gour	11.62/10.51	5.02
7	Barnoo tank	Barnoo Nalla	10.32/8.96	6.39
8	Madai tank	Madai Nall	8.70/8.39	6.32
9	Pariyat tank	Pariyat Nalla	20.30/18.47	19.33
10	Dukrikheda tank	Ghogra Nalla/ Sukhri	12.25/11.50	6.18
11	Chandra Keshar tank	Chandra Keshar	31.65/30.06	19.33
12	Paras tank	Paras	7.53/6.10	6.09
13	Sampna tank	Sampna	16.92/14.32	14.31
14	Upper Beda	Beda	91.82/76.24	-
15	Choral Nakheri tank (Choral)	Choral Nakheri	23.92/19.23	38.42
16	Choral Nakheri tank (Nakheri)	Choral Nakheri	Feeder Tank	-
17	Segwal tank	Sazar Nalla/Borad	8.96/8.62	8.12
18	Satak tank	Satak	19.79/18.37	16.23
19	Dejla Dewada tank	Kundi	56.35/50.29	50.29
20	Kunda tank	Buti Nalla	8.50/8.10	8.10
21	Sukalda tank	Chiri & Khug Nalla	15.56/12.69	11.68

**Source: Annual Water Account of Narmada Basin up to Sardar Sarovar Dam site, Water Year 2011-12, Published by NCA.*

Table 4: Dams located on the Narmada River basin (Madhya Pradesh)

Sl. No	Name	Purpose	River	Nearest City	District	State	Year	Type	Length (m)	Max height above foundation (m)
1	Adampura Dam	Irrigation	Local	Khargon	West Nimar	MP	2001	Earthen	2070	21.95
2	Agar Dam	Irrigation	Local	Kukshi	Dhar	MP	1981	Earthen	210	16.79
3	Ahirkheda Dam	Irrigation	Local	Bhikangaon	West Nimar	MP	2001	Earthen	460	12.35
4	Ama (Old) Dam	Irrigation	Pongar Nala	Baihar	Balaghat	MP	1916	Earthen	762	10.24
5	Amadehi Dam	Irrigation	Local	Piparia	Hoshangabad	MP	1974	Earthen	140	23.41
6	Amarpur Dam	Irrigation	Local	Dindori	Dindori	MP	1979	Earthen	499.85	18.23
7	Ambak Dam	Irrigation	Amba Nadi	Kasrawad	West Nimar	MP	2001	Earthen	1250	25.05
8	Ambari Dam	Irrigation	Local	Alirajpur	Alirajpur	MP	1993	Earthen	655	11.9
9	Anjarda No. I Dam	Irrigation	Local	Barwani	Barwani	MP	1982	Earthen	347.47	15.09
10	Athawa Dam	Irrigation	Local	Alirajpur	Alirajpur	MP	1984	Earthen	326	16.75
11	Awalia Dam	Irrigation	Local	zDhar	Dhar	MP	1979	Earthen	240	18.56

12	Badalpur Dam	Irrigation	Local	Betul	Betul	MP	1977	Earthen	644.5	16.77
13	Badera Dam	Irrigation	Local	Jabalpur	Jabalpur	MP	1920	Earthen	356	16.68
14	Badi Baodi Dam	Irrigation	Local	Jobat	Alirajpur	MP	2002	Earthen	255	16.6
15	Bagdia No. II Dam	Irrigation	Dilawari Nadi	Dhar	Dhar	MP	1983	Earthen	540	12.4
16	Balasamund Dam	Irrigation	Local	Rajpur	Barwani	MP	1983	Earthen	360	12.4
17	Balia Dam	Irrigation	Chital	Bhikangaon	West Nimar	MP	2001	Earthen	155	12.7
18	Bandha Dam	Irrigation	Local	Narsimhapur	Narsimhapur	MP	1978	Earthen	145	20.37
19	Bangai Dam	Irrigation	Local	Parasia	Chhindwara	MP	1993	Earthen	480	27.44
20	Banganga Dam	Irrigation	Rohini Nadi	Bhagwanpur	West Nimar	MP	1988	Earthen	539	23.8
21	Banna Dam	Irrigation	Local	Baihar	Balaghat	MP	1980	Earthen	732	15.23
22	Barbatpur Dam	Irrigation	Local	Goharganj	Raisen	MP	1957	Earthen	800	10.08
23	Barbuspur Dam	Irrigation	Local	Niwas	Mandla	MP	1985	Earthen	510	12
24	Barbuspur Dam	Irrigation	Local	Mandla	Mandla	MP	1985	Earthen	509	11.91
25	Bardevla Dam	Irrigation	Local	Kasrawad	West Nimar	MP	1980	Earthen	480	11.48

26	Baretha Dam	Irrigation	Local	Betul	Betul	MP	1979	Earthen	442	18.06
27	Bargone Dam	Irrigation	Koram	Mhow	Indore	MP	1988	Earthen	780	21.94
28	Barkheda Dam	Irrigation	Local	Kukshi	Dhar	MP	1982	Earthen	620	18.9
29	Barna Dam	Irrigation,Pis ciculture	Barna	Bareli	Raisen	MP	1977	Gravity & Masonry	432	47.7
30	Barnoo Dam	Irrigation	Barnoo	Sihora	Jabalpur	MP	1966	Earthen	293.4	24.6
31	Basinkhar Dam	Irrigation	Local	Baihar	Balaghat	MP	1909	Earthen	600	10.36
32	Batkidoh Dam	Irrigation	Local	Betul	Betul	MP	2002	Earthen	549	15.38
33	Begandi Dam	Irrigation	Local	Khargon	West Nimar	MP	1989	Earthen	670	11.21
34	Begda Dam	Irrigation	Local	Jobat	Alirajpur	MP	1976	Earthen	534	12.29
35	Belgaon Dam	Irrigation	Local	Baihar	Balaghat	MP	1909	Earthen	1125	10.67
36	Beni Bari Dam	Irrigation	Paladigwar	Pushprajgarh	Anuppur	MP	1982	Earthen	435	18.04
37	Bhami Dam	Irrigation	Sosar Nadi	Rajpur	Barwani	MP	1983	Earthen	267	15.09
38	Bhamkapura Dam	Irrigation	Local	Itarsi	Hoshangabad	MP	1994	Earthen	870	10.21
39	Bhamori Dam	Irrigation	Local	Manawar	Dhar	MP	1992	Earthen	406	16.15

40	Bhangra Dam	Irrigation	Bhongri Nalla	Baihar	Balaghat	MP	2002	Earthen	512	12.8
41	Bhikarkhedi Dam	Irrigation	Borad	Segaon	West Nimar	MP	1985	Earthen	613	20.85
42	Bhimori Dam	Irrigation	Local	Baihar	Balaghat	MP	1977	Earthen	1158	14
43	Bhorwada Dam	Irrigation	Local	Rajpur	Barwani	MP	1992	Earthen	310	18.74
44	Bhutia Dam	Irrigation	Amak Nala	Khandwa	East Nimar	MP	1924	Earthen	900	10.37
45	Bichhia Dam	Irrigation, Drinking / Water Supply	Kathar Nalla	Mandla	Mandla	MP	1975	Earthen	1579	26.53
46	Bicholi Dam	Irrigation	Local	Alirajpur	Alirajpur	MP	1986	Earthen	207	16.31
47	Birul Dam	Irrigation	Local	Bhikangaon	West Nimar	MP	1983	Earthen	234	12.18
48	Bithlee Dam	Irrigation	Local	Baihar	Balaghat	MP	1910	Earthen	586.75	10.36
49	Bohribund Dam	Irrigation	Bhuta Nalla	Sihora	Katni	MP	1927	Earthen	518.8	22.25
50	Borgaon Kodaroti Dam	Irrigation	Local	Betul	Betul	MP	2004	Earthen	1038	11.2
51	Bori Dam	Irrigation	-	Bagli	Dewas	MP	1982	Earthen	305	25.9
52	Borli Dam	Irrigation	Goi	Pansemal	Barwani	MP	1994	Earthen	315	16.1
53	Bourani Dam	Irrigation	Devjhiri	Kannod	Dewas	MP	1983	Earthen	310	20.9

54	Buddi Dam	Irrigation	Buddinala	Betul	Betul	MP	1979	Earthen	649.39	10.05
55	Buharla Dam	Irrigation	Local	Manawar	Dhar	MP	1991	Earthen	795	12.95
56	Chachariyap ati Dam	Irrigation	Local	Sendhwa	Barwani	MP	1980	Earthen	820	12.72
57	Chandgarh Dam	Irrigation	Naharwadi or Hatni Nadi	Segaon	West Nimar	MP	2001	Earthen	436	20.05
58	Chandoor Dam	Irrigation	-	Sihora	Katni	MP	1984	Earthen	434	14.93
59	Chandrakes har Dam	Irrigation	Chandrakes har	Kannod	Dewas	MP	1976	Earthen	2450	21.1
60	Chargaon Dam	Irrigation	Local	Niwas	Mandla	MP	1985	Earthen	720	13.77
61	Chichwari Dam	Irrigation	Local	Itarsi	Hoshangabad	MP	1980	Earthen	732	14.63
62	Chikhalia Dam	Irrigation	Local	Barwani	Barwani	MP	1997	Earthen	357	20.15
63	Chikhlatola Dam	Irrigation,Pis ciculture	Local	Mandla	Mandla	MP	1994	Earthen	1020	10
64	Chirchitta Dam	Irrigation	Local	Narsimhapur	Narsimhapur	MP	1974	Earthen	897	10.93
65	Chirkhan Dam	Irrigation	Kalapani	Khandwa	East Nimar	MP	1997	Earthen	650	11.92

66	Choral Dam	Irrigation	Choral	Mhow	Indore	MP	1988	Earthen	620	28.04
67	Dabri Dam	Irrigation	Local	Kasrawad	West Nimar	MP	1983	Earthen	581	14.57
68	Dagarkot Dam	Irrigation	Local	Harsud	East Nimar	MP	1981	Earthen	840	12.19
69	Data Dongari Dam	Irrigation	Local	Narsimhapur	Narsimhapur	MP	1990	Earthen	457	20.32
70	Datoda Dam	Irrigation	Local	Mhow	Indore	MP	1977	Earthen	1110	13.11
71	Dejla Dewada Dam	Irrigation,Pisciculture	Dejla	Bhagwanpur	West Nimar	MP	1988	Earthen	1560	35.2
72	Deogaon Dam	Irrigation	Local	Parasia	Chhindwara	MP	1991	Earthen	1410	17.43
73	Deokhoh Dam	Irrigation	Local	Parasia	Chhindwara	MP	1978	Earthen	186	22.08
74	Dhablamata Dam	Irrigation	-	Ichhawar	Sehore	MP	1980	Earthen	1706.88	10.67
75	Dhamnod Dam	Irrigation	Local	Kasrawad	West Nimar	MP	1971	Earthen	1020	11.27
76	Dhandibada Dam	Irrigation	Local	Itarsi	Hoshangabad	MP	1956	Earthen	754	10.3
77	Dhangaon Dam	Irrigation	Local	Mandla	Mandla	MP	1985	Earthen	335	15.02
78	Dharwara Dam	Irrigation	-	Sihora	Katni	MP	1918	Earthen	2340	11.27
79	Dhuandhar Dam	Irrigation	Dhuandhar Nalla	Mandla	Mandla	MP	1962	Earthen	1240.5	27.19

80	Dhupsara Dam	Irrigation	Local	Pushprajgarh	Anuppur	MP	1981	Earthen	645	15.69
81	Dongarkhed a Dam	Irrigation	Local	Bagli	Dewas	MP	1982	Earthen	540	19.56
82	Dukrikhed a Dam	Irrigation	Ghoghara Nallla	Piparia	Hoshangabad	MP	1956	Earthen	1981	18.67
83	Dungariya Dam	Irrigation	Kanera Nadi	Narsimhapur	Narsimhapur	MP	1986	Earthen	153	19.66
84	Fatepur Dam	Irrigation	Kukra	Niwas	Dindori	MP	1980	Earthen	381	12.74
85	Gadigaltar Dam	Irrigation	Undri Nadi	Bhagwanpur	West Nimar	MP	1990	Earthen	873	23.19
86	Gagan Dam	Irrigation	Local	Maheshwar	West Nimar	MP	1959	Earthen	880	18.28
87	Gandhwal Dam	Irrigation	Local	Barwani	Barwani	MP	1987	Earthen	425	17.75
88	Gangajali Dam	Irrigation	Local	Manawar	Dhar	MP	1981	Earthen	250	13.78
89	Gawala Dam	Irrigation	Karondiya Nadi	Maheshwar	West Nimar	MP	1979	Earthen	168	11.68
90	Golai Dam	Irrigation	Local	Betul	Betul	MP	1978	Earthen	944.8	18.3
91	Gondhidhan a Dam	Irrigation	Local	Betul	Betul	MP	1974	Earthen	681	14.08
92	Gopinathpur Dam	Irrigation	Local	Betul	Betul	MP	2004	Earthen	750	10.9
93	Goverdhanp ura Dam	Irrigation	Junapani	Maheshwar	West Nimar	MP	1982	Earthen	283	17.63

94	Guda Dam	Irrigation	Local	Alirajpur	Alirajpur	MP	1983	Earthen	570	10.54
95	Guddikheda Dam	Irrigation	Local	Sohagpur	Hoshangabad	MP	1984	Earthen	960	12.45
96	Gurari Dam	Irrigation	Kolar	Ichhawar	Sehore	MP	1986	Earthen	823.17	14.82
97	Halon (Nvda) Dam	Irrigation	Halon	Baihar	Balaghat	MP		Gravity & Masonry	993	35
98	Harrai Dam	Irrigation	Local	Amarwara	Chhindwara	MP	1987	Earthen	380	12.5
99	Hashalpur Dam	Irrigation	Local	Mhow	Indore	MP	1950	Earthen	1020	10.05
100	Hathidagar Dam	Irrigation	Local	Maheshwar	West Nimar	MP	1991	Earthen	435	18.2
101	Hinouti Dam	Irrigation	Sapaha Nadi	Sihora	Katni	MP		Earthen	1052	11.94
102	Hydrayasah a Dam	Irrigation	Local	Niwas	Mandla	MP	1991	Earthen	754	13.33
103	Indira Gandhi T Dam	Irrigation	Local	Kukshi	Dhar	MP	2000	Earthen	280	25.6
104	Indira Sagar (NHDC) Dam	Hydroelectric, Irrigation	Narmada	Khandwa	East Nimar	MP	2006	Earthen / Gravity & Masonry	654	91.4
105	Indra an Dam	Irrigation	Local	Jabalpur	Jabalpur	MP	1983	Earthen	289.56	16.104
106	Jagla Dam	Irrigation	Local	Baihar	Balaghat	MP	1916	Earthen	317	17.33

107	Jalgaon Dam	Irrigation	Bhongir Nala	Baihar	Balaghat	MP	1960	Earthen	725	16.46
108	Jalpani Dam	Irrigation	Local	Mandla	Mandla	MP	1979	Earthen	780	14.94
109	Jam Talai Dam	Irrigation	Local	Manawar	Dhar	MP	1989	Earthen	550	16.33
110	Jamli Dam	Irrigation	Local	Alirajpur	Alirajpur	MP	1986	Earthen	555	11.8
111	Jamunia Tola Dam	Irrigation	Local	Mandla	Mandla	MP	1985	Earthen	162	15.79
112	Jamuniya (K) Dam	Irrigation	Local	Maheshwar	West Nimar	MP	1987	Earthen	640	12.15
113	Jantipur Dam	Irrigation	Local	Mandla	Mandla	MP	1979	Earthen	876	18.45
114	Jhalpipli Dam	Irrigation	Utwali	Ichhawar	Sehore	MP	1997	Earthen	274.32	21.27
115	Jhandatola Dam	Irrigation	Local	Mandla	Mandla	MP	1985	Earthen	467.85	11.95
116	Jhapdi Dam	Irrigation	Local	Manawar	Dhar	MP	1962	Earthen	765	13.72
117	Jharegaon Dam	Irrigation	Local	Betul	Betul	MP	1979	Earthen	625	10.66
118	Jhirbhar Dam	Irrigation	Vamsali Nadi	Barwah	West Nimar	MP	1980	Earthen	327	21.33
119	Jobat (NVDA) Dam	Irrigation	Hatni	Jobat	Alirajpur	MP	2007	Gravity & Masonry	462.55	34.6
120	Jogli Dam	Irrigation	Local	Betul	Betul	MP	1981	Earthen	613	11.96
121	Julwania Dam	Irrigation	Local	Manawar	Dhar	MP	1979	Earthen	850	11.4

122	Kakarhai Dam	Irrigation	Local	Jabalpur	Jabalpur	MP	1983	Earthen	360	15
123	Kalaphata Dam	Irrigation	Dabri	Barwah	West Nimar	MP	1978	Earthen	270	16.46
124	Kandra Dam	Irrigation	Local	Mandla	Mandla	MP	1985	Earthen	500	14.17
125	Kanjhar Dam	Irrigation	Local	Bhikangaon	West Nimar	MP	1968	Earthen	655	10.05
126	Karondi Dam	Irrigation	Local	Niwas	Mandla	MP	1989	Earthen	150	17.1
127	Karpur Dam	Irrigation	Local	Khandwa	East Nimar	MP	1981	Earthen	600	10.41
128	Kathawad Dam	Irrigation	Local	Alirajpur	Alirajpur	MP	1984	Earthen	453	16.07
129	Keli Dam	Irrigation	Local	Barwani	Barwani	MP	1983	Earthen	219	17.45
130	Khadkhali Dam	Irrigation	Local	Kukshi	Dhar	MP	1977	Earthen	615	10.9
131	Khandawad Dam	Irrigation	Local	Budhni	Sehore	MP	1992	Earthen	1350	11.46
132	Khapa Dam	Irrigation	Ranwai Nadi	Niwas	Mandla	MP	1983	Earthen	645	12.97
133	Khina Dam	Irrigation	Pariat Nadi	Jabalpur	Jabalpur	MP	1983	Earthen	1905	17.83
134	Khokhara Dam	Irrigation	Local	Betul	Betul	MP	1991	Earthen	778	11.92
135	Khor Dam	Irrigation	Gandharwa Nadi	Manawar	Dhar	MP	1984	Earthen	420	19.9
136	Kishanpur Dam	Irrigation	Local	Narsimhapur	Narsimhapur	MP	1991	Earthen	277	17.47

137	Kohani Deori Dam	Irrigation	Local	Niwas	Mandla	MP	1995	Earthen	200	15.6
138	Kohdarh Dam	Irrigation	Local	Khandwa	East Nimar	MP	1985	Earthen	435	12.62
139	Kohpani Dam	Irrigation	Titoriya Nala	Parasia	Chhindwara	MP	2001	Earthen	888	16.63
140	Kolar Dam	Irrigation, Drinking / Water Supply	Kolar	Ichhawar	Sehore	MP	1990	Gravity & Masonry	1242	45
141	Kosania Dam	Irrigation	Local	Alirajpur	Alirajpur	MP	1977	Earthen	293	20.02
142	Kosduna Dam	Irrigation	Local	Jobat	Alirajpur	MP	1984	Earthen	715	10.9
143	Koshmi Dam	Irrigation	Local	Betul	Betul	MP	1977	Earthen	690	13.89
144	Kotalyakhedi Dam	Irrigation	Local	Barwah	West Nimar	MP	1990	Earthen	1530	12.1
145	Kunda Nala Dam	Irrigation	Buti Nalla	Manawar	Dhar	MP	1963	Earthen	2500	15.6
146	Kundujeta Dam	Irrigation	Devda Nala	Kukshi	Dhar	MP	1988	Earthen	150	22.15
147	Kusmeli Dam	Irrigation	Kusumaili Nala	Budhni	Sehore	MP	1980	Earthen	975	38.7
148	Kutdhar Dam	Irrigation	Local	Sihora	Katni	MP	1980	Earthen	288	17
149	Lakhapur Dam	Irrigation	Local	Betul	Betul	MP	1980	Earthen	148	23.77

150	Laliyachapa d Dam	Irrigation	Local	Barwah	West Nimar	MP	1974	Earthen	507	11.39
151	Lasudiakang ar Dam	Irrigation	Local	Ichhawar	Sehore	MP	1982	Earthen	1341.46	13.41
152	Limbi Dam	Irrigation	Local	Barwani	Barwani	MP	1986	Earthen	181.5	18.63
153	Lower Goi Dam	Irrigation	Goi	Barwani	Barwani	MP	-	Earthen / Gravity & Masonry	2400	44.2
154	Lower Palakmati Dam	Irrigation	-	Goharganj	Raisen	MP	1936	Earthen	990	15.24
155	Machhlgao n Dam	Irrigation	Local	Bhikangaon	West Nimar	MP	1997	Earthen	405	14.65
156	Madai Dam	Irrigation		Sihora	Jabalpur	MP	1966	Earthen	307	18.9
157	Madarniya Dam	Irrigation	Local	Khargon	West Nimar	MP	1982	Earthen	784	13.8
158	Maheshwar Dam	Hydroelectri c	Narmada	Kasrawad	West Nimar	MP	-	Earthen / Gravity & Masonry	3123	36
159	Malseoni Dam	Irrigation	Nimpani Nala	Betul	Betul	MP	1976	Earthen	570	10.51
160	Man (NVDA) Dam	Irrigation	Man	Dhar	Dhar	MP	-	Gravity & Masonry	633	53
161	Mand Tank	-	-	Mandla	Mandla	MP	-	Earthen	-	-

162	Manegaon Dam	Irrigation	Local	Niwas	Mandla	MP	1985	Earthen	552.3	13.36
163	Manegaon Dam	Irrigation	Local	Parasia	Chhindwara	MP	1982	Earthen	732	12.48
164	Manjikhedi Dam	Irrigation	Local	Nasrullahganj	Sehore	MP	1991	Earthen	832.1	19.76
165	Mathni Dam	Irrigation	Local	Betul	Betul	MP	1979	Earthen	624.84	11.97
166	Matiyari Dam	Irrigation	Matiyari	Mandla	Mandla	MP	1986	Earthen	1131.42	28.1
167	Mehani Dam	Irrigation	Local	Alirajpur	Alirajpur	MP	2001	Earthen	490	20.6
168	Mehgaon Tola Dam	Irrigation	Bidri Nalla	Jabalpur	Jabalpur	MP	1981	Earthen	1445	17
169	Mehgawan Dam	Irrigation	Local	Jabalpur	Jabalpur	MP	1988	Earthen	575	23.92
170	Mehra Seoni Dam	Irrigation	Local	Niwas	Mandla	MP	1983	Earthen	822	13.07
171	Moga Dam	Irrigation		Udaipura	Raisen	MP	1997	Earthen	210	20.7
172	Mohada Dam	Irrigation	Local	Dindori	Dindori	MP	1981	Earthen	720	21.95
173	Mohgaon (MP) Dam	Irrigation, Drinking / Water Supply	Local	Lakhnadon	Seoni	MP	1978	Earthen	300	22.36
174	Mohgaon Mali Dam	Irrigation	Local	Mandla	Mandla	MP	1987	Earthen	720	10.13

175	Mohini Pickup Weir	-	Sindh	-	Shivpuri	MP	-	-	2619	21
176	Molipura Dam	Irrigation	Local	Dhar	Dhar	MP	1979	Earthen	690	12.8
177	Mongra Dam	Irrigation	Local	Kukshi	Dhar	MP	1984	Earthen	330	16.8
178	Mordhi Dam	Irrigation	Local	Alirajpur	Alirajpur	MP	1992	Earthen	495	15.9
179	Moursani Dam	Irrigation	Local	Amarwara	Chhindwara	MP	1991	Earthen	501	12.5
180	Nadia Dam	Irrigation,Pisciculture	-	Narsimhapur	Narsimhapur	MP	1977	Earthen	119	15.07
181	Nahatra Dam	Irrigation	Local	Jobat	Alirajpur	MP	1962	Earthen	400.8	15.39
182	Nakheri Dam	Irrigation	Nakheri	Mhow	Indore	MP	1980	Earthen	480	24.54
183	Nani Barwani Dam	Irrigation	Local	Barwani	Barwani	MP	1988	Earthen	380	18
184	Nani Ziri Dam	Irrigation	Local	Pansemal	Barwani	MP	1987	Earthen	213	15.72
185	Narawala Dam	Irrigation	Rupa Nadi	Rajpur	Barwani	MP	1984	Earthen	456	14.75
186	Nawadpura T Dam	Irrigation	Dilawari	Dhar	Dhar	MP	1986	Earthen	1074	13.4

187	Omkareshwar (NHPC) Dam	Hydroelectric, Irrigation, Drinking / Water Supply	Narmada	Khandwa	East Nimar	MP	2007	Gravity & Masonry	949	64
188	Osada Dam	Irrigation	Local	Barwani	Barwani	MP	1986	Earthen	176	16.77
189	Pachama Dam	Irrigation	Local	Betul	Betul	MP	1978	Earthen	750	12.91
190	Padhar Dam	Irrigation	Local	Betul	Betul	MP	1977	Earthen	655	15.85
191	Padliya Dam	Irrigation	Local	Bhikangaon	West Nimar	MP	1984	Earthen	825	16.02
192	Pahawadi Dam	Irrigation, Pisciculture	Local	Betul	Betul	MP	1982	Earthen	1234	13.95
193	Paladigwar Dam	Irrigation	Paladigwar	Pushprajgarh	Anuppur	MP	1987	Earthen	215	22.06
194	Panagar Dam	Irrigation	Karthai Nadi	Jabalpur	Jabalpur	MP	1912	Earthen	570	11.12
195	Pankua I Dam	Irrigation	Local	Bagli	Dewas	MP	1981	Earthen	430	20
196	Pankua II Dam	Irrigation	Local	Bagli	Dewas	MP	1997	Earthen	426	16.97
197	Panpura Dam	Irrigation	Local	Dhar	Dhar	MP	1985	Earthen	1115	21.7
198	Paras Dam	Irrigation	Paras	Bagli	Dewas	MP	1982	Earthen	660	26.94
199	Pariat (Corporation) Dam	Drinking / Water Supply	Pariat Nalla	Jabalpur	Jabalpur	MP	1927	Earthen	1182	22.74

200	Patajan Dam	Irrigation	Local	Harsud	East Nimar	MP	1981	Earthen	451	12.93
201	Patapra Dam	Irrigation	Patpara	Jabalpur	Jabalpur	MP	1986	Earthen	823	38.86
202	Pathai Dam	Irrigation	Local	Betul	Betul	MP	1975	Earthen		7.68
203	Pathakheda Dam	Irrigation	Bhaji	Betul	Betul	MP		Earthen		14.27
204	Pawarjhand a Dam	Irrigation	Local	Betul	Betul	MP	1976	Earthen	426	16.08
205	Phaliamao Dam	Irrigation	Local	Alirajpur	Alirajpur	MP	1981	Earthen	337	13.61
206	Pipaaliya Dam	Irrigation	Local	Harsud	East Nimar	MP	1979	Earthen	517	12.05
207	Pipliyapada Dam	Irrigation	Local	Manawar	Dhar	MP	1980	Earthen	735	14.63
208	Piprani No. II T Dam	Irrigation	Local	Kukshi	Dhar	MP	1979	Earthen	540	17.7
209	Pungi Dam	Irrigation	Local	Betul	Betul	MP	1978	Earthen	549	14.5
210	Raipura Dam	Irrigation	Local	Dindori	Dindori	MP	1987	Earthen	270	22.8
211	Rajdhana Dam	Irrigation	Local	Amarwara	Chhindwara	MP	1980	Earthen	1080	17.5
212	Rajukhedi Dam	Irrigation	Local	Manawar	Dhar	MP	1983	Earthen	1040	13.25
213	Rampatan Dam	Irrigation	Patpara	Sihora	Katni	MP	1979	Earthen	905	11.31

214	Rampura Dam	Irrigation	Local	Silvani	Raisen	MP	2000	Earthen	619	11.11
215	Ranghi Dam	Irrigation	Local	Dindori	Dindori	MP	1984	Earthen	341.36	16.99
216	Rani Avanti Bai Sagar (Bargi (Nvda) Dam	Hydroelectric, Irrigation, Drinking / Water Supply	Narmada	Jabalpur	Jabalpur	MP	1988	Gravity & Masonry	5357	69.8
217	Ranipur Dam	Irrigation	Mundawani	Betul	Betul	MP	1992	Earthen	774	23.86
218	Ranjeet Dam	Irrigation	Local	Rajpur	Barwani	MP	1916	Earthen	300	13.71
219	Rawanwari Dam	Irrigation	Local	Betul	Betul	MP	1977	Earthen	728	10.83
220	Rui Dam	Irrigation	Local	Rajpur	Barwani	MP	1976	Earthen	292	13.7
221	Sakalda Dam	Irrigation	Chiri and Khuj Nalla	Manawar	Dhar	MP	1981	Earthen	539.5	22
222	Salkanpur Dam	Irrigation	Dhareri	Budhni	Sehore	MP	1985	Earthen	912	18.94
223	Salkheda Dam	Irrigation	Nahali Nadi	Rajpur	Barwani	MP	1995	Earthen	870	18.15
224	Samaldo Dam	Irrigation	Local	Manawar	Dhar	MP	1960	Earthen	823	12.9
225	Sampana Dam	Irrigation	Sampna	Betul	Betul	MP	1956	Earthen	1790	21.95
226	Saradeh Dam	Irrigation	Local	Itarsi	Hoshangabad	MP	1980	Earthen	518	14.9

227	Sarangpur Dam	Irrigation	Local	Sihora	Katni	MP	1984	Earthen	805	12.04
228	Satak Dam	Irrigation	Satak	Kasrawad	West Nimar	MP	1960	Earthen	1650	25
229	Satpura (Mpseb) Dam	Drinking / Water Supply	Tawa	Betul	Betul	MP	1967	Earthen / Gravity & Masonry	513.58	33.52
230	Segvi Dam	Irrigation	Debrya Nalla	Sendhwa	Barwani	MP	1990	Earthen	540	20.91
231	Segwal Dam	Irrigation	Board River	Rajpur	Barwani	MP	1974	Earthen		14.63
232	Semli Dam	Irrigation	Local	Barwani	Barwani	MP	1985	Earthen	185	17.8
233	Shampur Dam	Irrigation	Local	Nasrullahganj	Sehore	MP	1984	Earthen	1195.73	14.4
234	Shobhapur Dam	Irrigation	Local	Betul	Betul	MP	1979	Earthen	1079	10.36
235	Sindhi Khodra Dam	Irrigation	Local	Barwani	Barwani	MP	1986	Earthen	265	19.13
236	Singhanpuri Dam	Irrigation	Khudrai Nalla	Baihar	Balaghat	MP	1998	Earthen	630	10.26
237	Sitadongari Dam	Irrigation	Gurar Nalla	Baihar	Balaghat	MP	1983	Earthen	870	14.5
238	Sukta Dam	Irrigation	Sukta	Khandwa	East Nimar	MP	1984	Earthen	2219	32
239	Sultanpur Dam	Irrigation	Avar nadi	Bhikangaon	West Nimar	MP	1988	Earthen	632	14.06
240	Sundrel Dam	Irrigation	Local	Bhikangaon	West Nimar	MP	1988	Earthen	1035	12.6

241	Surkipondi Dam	Irrigation	-	Sihora	Katni	MP	1968	Earthen	1333	11.8
242	Sustikheda Dam	Irrigation	Local	Barwani	Barwani	MP	1983	Earthen	314	16.08
243	Takli Dam	Irrigation	Local	Rajpur	Barwani	MP	1988	Earthen	360	21.05
244	Talpura Dam	Irrigation	Local	Budhni	Sehore	MP	1986	Earthen	1215	14.96
245	Talwara Dam	Irrigation	Local	Kukshi	Dhar	MP	1976	Earthen	447	21.72
246	Tawa Dam	Hydroelectric, Irrigation	Tawa	Sohagpur	Hoshangabad	MP	1978	Earthen / Gravity & Masonry	1944.92	57.91
247	Temoru Dam	Irrigation	Local	Betul	Betul	MP	1987	Earthen	609.6	13.58
248	Udiyapura Dam	Irrigation	Local	Manawar	Dhar	MP	1980	Earthen	530	11
249	Umaria Dam	Irrigation		Parasia	Chhindwara	MP	1984	Earthen	1020	25.15
250	Upper Beda Dam	Irrigation	Kundi	Jhirnia	West Nimar	MP	2010	Gravity & Masonry	2431	23.93
251	Upper Narmada Dam	Irrigation	Narmada	Pushprajgarh	Anuppur	MP	-	Earthen / Gravity & Masonry	2120	33.8
252	Upper Palakmati Dam	Irrigation	Palakmati	Raisen	Raisen	MP	2002	Earthen	210	22.71
253	Utawad Dam	Irrigation	Local	Kasrawad	West Nimar	MP	1987	Earthen	450	22.39

254	Utekhedda Dam	Irrigation	Local	Bhikangaon	West Nimar	MP	1979	Earthen	664	12.085
255	Vagadalwadi Dam	Irrigation	Local	Rajpur	Barwani	MP	1982	Earthen	182	15.84
256	Vervada Dam	Irrigation	Local	Barwani	Barwani	MP	1993	Earthen	300	21.65
257	Virla Dam	Irrigation	Local	Dhar	Dhar	MP	1966	Earthen	270	19.24
258	Yashwant Nagar Dam	Irrigation	Karam Nadi	Mhow	Indore	MP	1933	Earthen	820	10.7
259	Zadi Dam	Irrigation	Local	Maheshwar	West Nimar	MP	1986	Earthen	210	11.85

Table 5: Dams located on the Narmada River basin (Gujarat)

Sl. No	Name	Purpose	River	Nearest City	District	State	Year	Type	Length (m)	Max height above foundation (m)
1	Amalwant Dam	Irrigation	T- Narmada	Chhota Udepur	Vadodara	GJ	1982	Earthen	387	17.68
2	Daria Dam	Irrigation	Local Khadi	Jhagadia	Bharuch	GJ	1983	Earthen	440	15.85
3	Dhaniyawala Dam	Irrigation	T- Narmada	Naswadi	Vadodara	GJ	1982	Earthen	515	12.95
4	Dholi Dam	Irrigation	Madhumati	Jhagadia	Bharuch	GJ	1995	Earthen	1280	36

5	Harwant Dam	Irrigation	T- Narmada	Chhota Udepur	Vadodara	GJ	1982	Earthen	279	23.11
6	Jamli Dam	Irrigation	T- Narmada	Chhota Udepur	Vadodara	GJ	1980	Earthen	322	16
7	Jogpura Dam	Irrigation	T- Narmada	Jetpur Pavi	Vadodara	GJ	1979	Earthen	395	18.15
8	Karjan Dam	Irrigation	Karjan	Rajpipla	Narmada	GJ	1987	Earthen / Gravity & Masonry	903	100
9	Lafni Dam	Irrigation	Kotar	Jambughoda	Panch Mahals	GJ	1976	Earthen	236	14.83
10	Rami Dam	Irrigation	Rami	Chhota Udepur	Vadodara	GJ	1980	Earthen	485	26.52
11	Sardar Sarovar Saddle Dam	Irrigation	-	-	Narmada	GJ	-	-	-	-
12	Sardar Sarovar GJ Dam	Hydroelectric, Irrigation	Narmada	Rajpipla	Narmada	GJ	-	Gravity & Masonry	1210	163
13	Singla Dam	Irrigation	T- Narmada	Chhota Udepur	Vadodara	GJ	1981	Earthen	342	13.42
14	Sukhi Dam	Irrigation	Sukhi	Chhota Udepur	Vadodara	GJ	1986	Earthen / Gravity & Masonry	4271	38
15	Targol Dam	Irrigation	Kotal	Sankheda	Vadodara	GJ	1973	Earthen	383	13.72
16	Vali Dam	Irrigation	Local Khadi	Jhagadia	Bharuch	GJ	1990	Earthen	435	20.91

17	Sardar Sarover Saddle Dam	Irrigation	Narmada	-	Narmada	GJ	-	-	-	-
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Table 6: Dams located on the Narmada River basin (Chhattisgarh)

Sl. No	Name	Purpose	River	Nearest City	District	State	Year	Type	Length (m)	Max height above foundation (m)
1	Beherakhar (Banjar) Dam	Irrigation, Drinking / Water Supply	Kuru Behrakhara nalla	Kawardha	Kabeerdham	CH	-	Earthen / Gravity & Masonry	670.73	21.81
2	Rengakhar Dam	Irrigation	Local	Kawardha	Kabeerdham	CH	1992	Earthen	780	14.85

Table 7: Dams located on the Narmada River basin (Maharashtra)

Sl. No	Name	Purpose	River	Nearest City	District	State	Year	Type	Length (m)	Max height above foundation (m)
1	Umrani Dam	Irrigation	Udai	Akhrani	Nandurbar	MH	1993	Earthen	480	16.19

(Source: India WRIS https://indiawris.gov.in/wiki/doku.php?id=dams_in_narmada_basin)

Table 8: Salient features of the Dams situated on the Narmada River

Sl. No	Feature	Dam Name
1	Longest Dam	Rani Avanti Bai Sagar (Bargi (Nvda) Dam (Length = 5357m)
2	Highest Dam	Sardar Sarovar (Height above foundation =163 m)
3	First Completed Dam	Belgaon Dam (Completed in 1909)
4	Latest Completed Dam	Upper Beda Dam (Completion year is 2010)
5	Shortest Dam	Nadia Dam (Length = 119m)
6	Smallest Dam	Pathai Dam (Height above foundation = 7.68)
7	Number of Earthen Dams	260
8	Earthen / Gravity & Masonry	9
9	Gravity & Masonry	9
10	Dams used for the purpose of Drinking Water/ Water Supply	2
11	Dams used for the purpose of Hydroelectricity generation	1
12	Dams used for the purpose of Hydroelectricity generation and Irrigation	3
13	Dams used for the purpose of Hydroelectricity generation, irrigation, water supply and Irrigation	2
14	Dams used for the purpose of irrigation, pisciculture and water supply	271

NARMADA BASIN: AN OVERVIEW

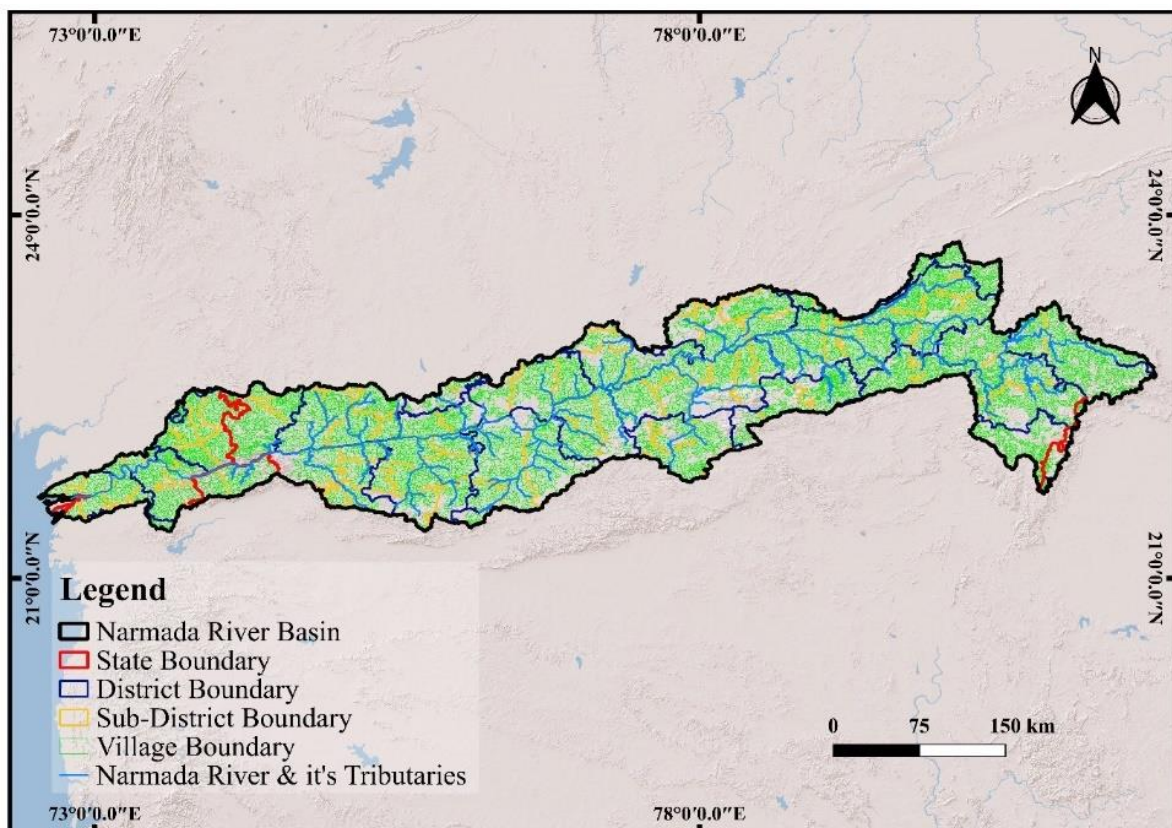
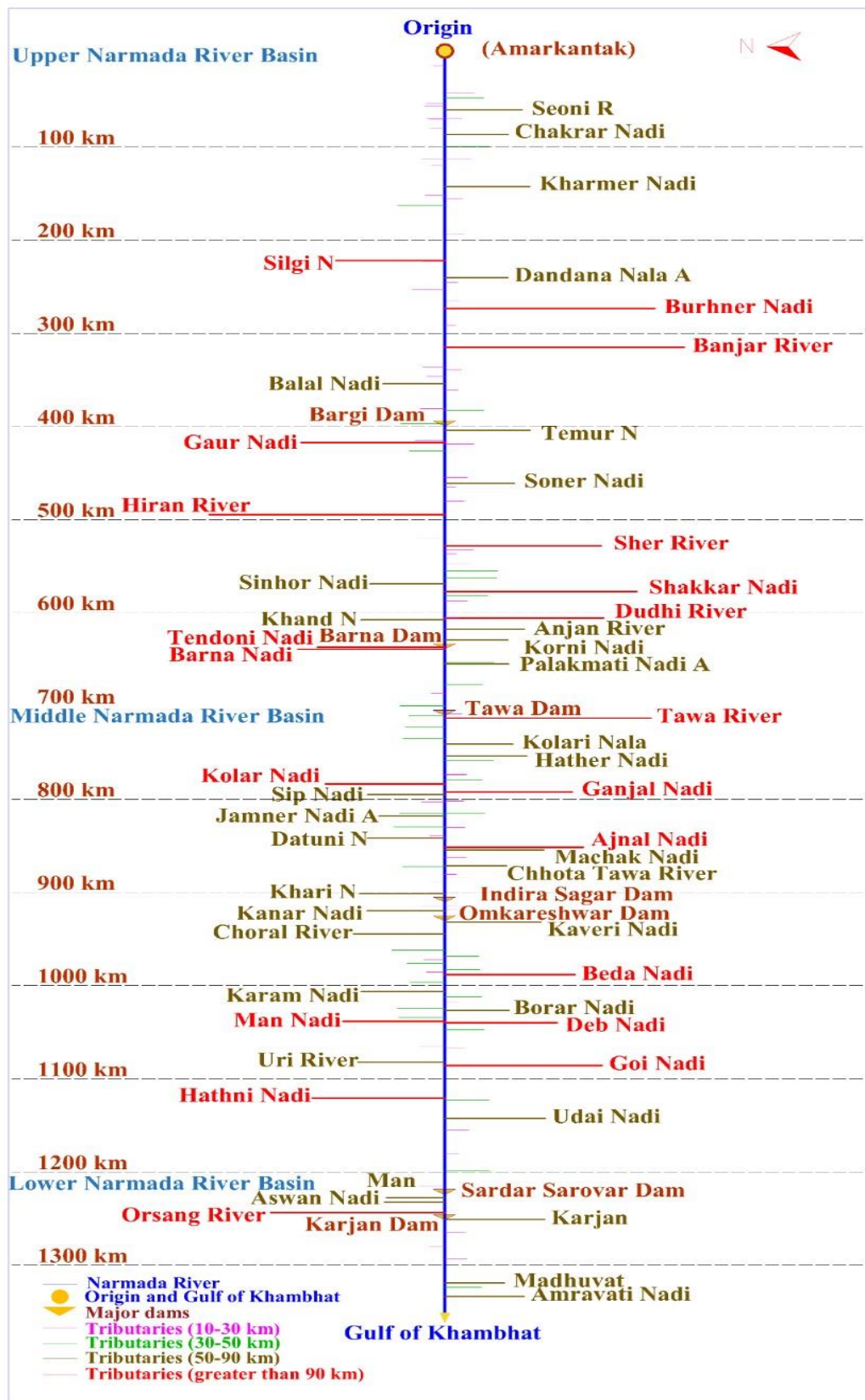


Figure 10: Narmada River Basin boundary overlaid with the administrative boundaries of districts, sub-districts, and villages

FLOW DIAGRAM: NARMADA RIVER AND Its TRIBUTARIES



NARMADA RIVER STREAM NETWORK

Unnamed Stream Network of Narmada River Basin

The following stream network statistics are derived from unverified stream network of unnamed streams within the Narmada River Basin. The results are indicative and subject to revision after final validation and ground verification.

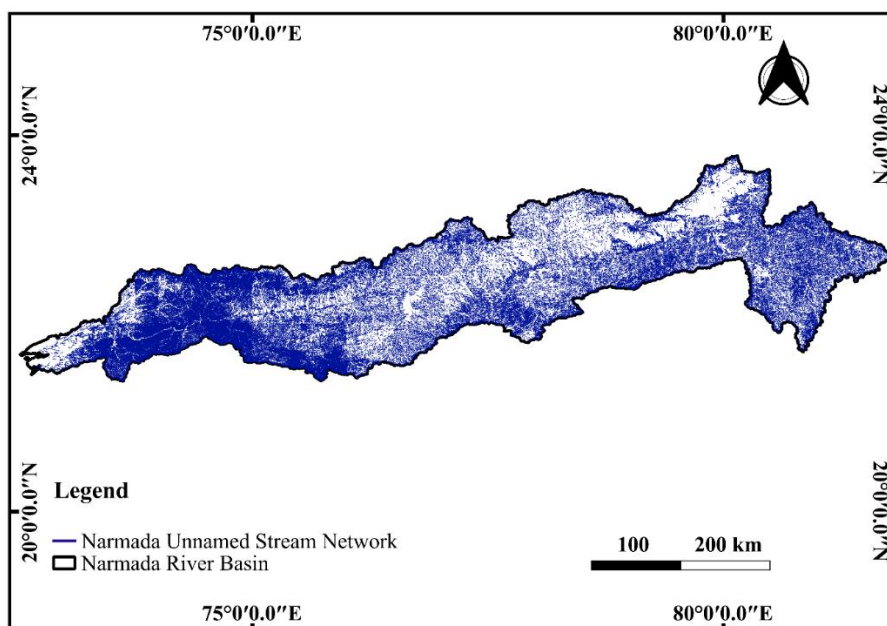


Figure 11: Unnamed Stream Network of Narmada River Basin

Table 9: Narmada unnamed stream network: Statistics

Sl. No	Stream Length (km)	Number of Streams
1	0.00–2.50	465554
2	2.51–5.00	1930
3	5.01–7.50	126
4	7.51–10.00	13
5	10.01–12.50	2
6	12.51–15.00	4
7	15.01–17.50	1

Table 10: Narmada unnamed stream network: Statistics of Lower Narmada Sub-basin

Sl. No	Stream Length (km)	Number of Streams
1	0.00–2.50	56472
2	2.51–5.00	187
3	5.01–7.50	21
4	7.51–10.00	2

Table 11: Narmada unnamed stream network: Statistics of Middle Narmada Sub-basin

Sl. No	Stream Length (km)	Number of Streams
1	0.00–2.50	281604
2	2.51–5.00	801
3	5.01–7.50	40
4	7.51–10.00	3
5	10.01–12.50	1

Table 12: Narmada unnamed stream network: Statistics of Upper Narmada Sub-basin

Sl. No	Stream Length (km)	Number of Streams
1	0.00–2.50	127594
2	2.51–5.00	942
3	5.01–7.50	65
4	7.51–10.00	8
5	10.01–12.50	1
6	12.51–15.00	4
7	15.01–17.50	1

NAMED STREAM NETWORK OF NARMADA RIVER BASIN

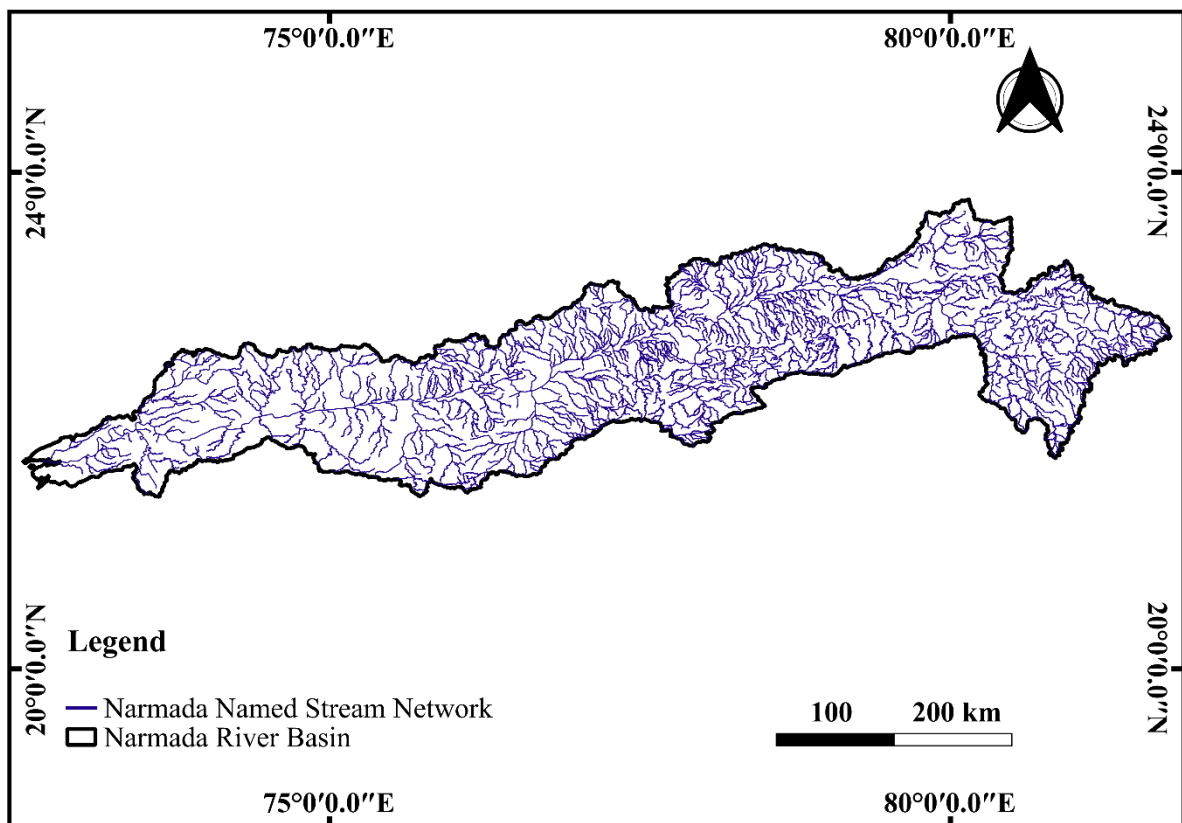


Figure 12: Named Stream Network of Narmada River Basin

Table 13: Sub-basin wise Named Stream Network Statistics

Sl. No	Sub-Basin	Statistics
1	Upper Narmada	Longest stream: 212.64 km Stream Name: Banjar River Smallest stream: 0.867 km Stream Name: Kutri R Mean stream length: 31.788 km
2	Middle Narmada	Longest stream: 139.942 km Stream Name: Goi Nadi Smallest stream: 6.022 km Stream Name: Bhomda River Mean stream length: 42.718 km
3	Lower Narmada	Longest stream: 155.257 km Stream Name: Orsang River Smallest stream: 5.242 km Stream Name: Makodi Nadi Mean stream length: 48.359 km
4	Entire Narmada River Basin	Longest stream: 212.644 km Stream Name: Banjar River Smallest stream: 0.867 km Stream Name: Kutri R Mean stream length: 37.491 km
Total Number of Named Streams: 1041		

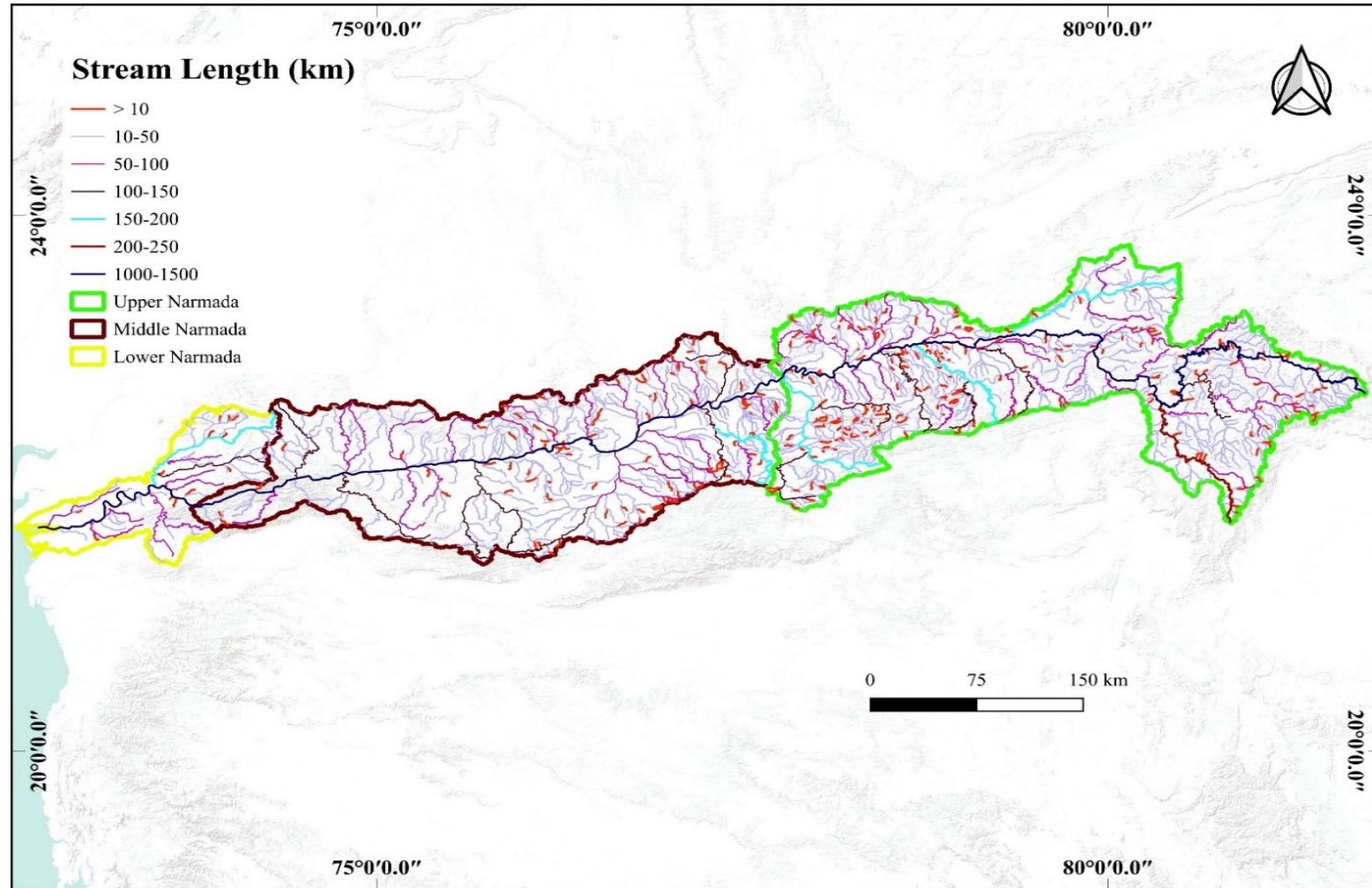


Figure 13: Stream Length wise Named Stream Network of Narmada River Basin

Tributaries of Narmada River

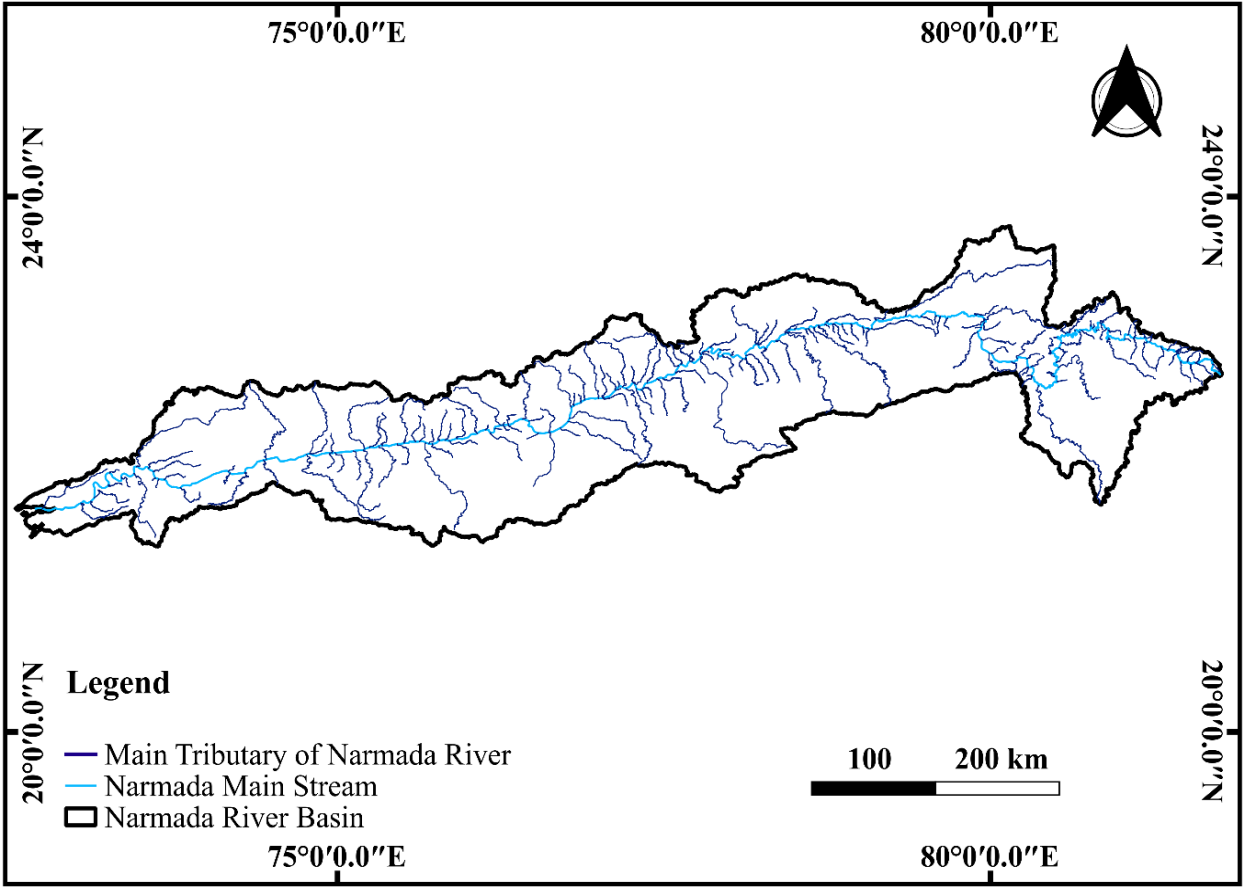


Figure 14: Tributaries of Narmada River Basin

Table 14: Named tributary statistics of Narmada River Basin

Sl. No	Stream Length (km)	Stream Number
1	0–5	12
2	5–10	24
3	10–20	45
4	20–30	25
5	30–40	22
6	40–50	11
7	50–60	13
8	60–70	6
9	70–80	6
10	80–90	7
11	90–100	3
12	100–110	2
13	110–120	2
14	120–130	1
15	130–140	1
16	140–150	1
17	150–160	1
18	160–170	1
19	170–180	1
20	180–190	0
21	190–200	1
22	200–210	0
23	210–220	1

Table 15: Named tributary statistics of Upper Narmada River Basin

Sl. No	Stream Length (km)	Stream Number
1	0–5	10
2	5–10	16
3	10–20	30
4	20–30	16
5	30–40	8
6	40–50	2
7	50–60	7
8	60–70	2
9	70–80	2
10	80–90	1
11	90–100	1
12	100–110	1
13	110–120	0
14	120–130	0
15	130–140	0
16	140–150	1
17	150–160	0
18	160–170	1
19	170–180	1
20	180–190	0
21	190–200	1
22	200–210	0
23	210–220	1

Table 16: Named tributary statistics of Middle Narmada River Basin

Sl. No	Stream Length (km)	Stream Number
1	0–5	3
2	5–10	6
3	10–20	12
4	20–30	8
5	30–40	13
6	40–50	9
7	50–60	3
8	60–70	4
9	70–80	3
10	80–90	4
11	90–100	2
12	100–110	1
13	110–120	2
14	120–130	1
15	130–140	1
23	210–220	1

Table 17: Named tributary statistics of Lower Narmada River Basin

Sl. No	Stream Length (km)	Stream Number
1	0–5	0
2	5–10	2
3	10–20	3
4	20–30	1
5	30–40	1
6	40–50	0
7	50–60	3
8	60–70	0
9	70–80	2
10	80–90	1
11	90–100	0
12	100–110	0
13	110–120	0
14	120–130	0
15	130–140	0
16	140–150	0
17	150–160	1

DISTRICT-WISE STREAMS OF THE NARMADA RIVER BASIN

Table 18: Stats of Streams flowing through the comprising districts of Narmada River basin

Sl. No	Districts	No of Named Streams	No of Unnamed Streams
1	Alirajpur	13	39134
2	Anuppur	15	1453
3	Balaghat	29	6868
4	Barwani	0	54572
5	Betul	65	15490
6	Bharuch	17	7802
7	Bhopal	1	32
8	Burhanpur	0	2952
9	Chhindwara	61	12274
10	Dohad	2	620
11	Damoh	7	918
12	Dewas	10	10952
13	Dhar	10	53146
14	Dhule	0	203
15	Dindori	73	18387
16	East Nimar	10	13157
17	Harda	0	6402
18	Hoshangabad	102	9416
19	Indore	10	6183
20	Jabalpur	65	10252
21	JHABUA	9	88
22	Kabeerdham	18	3014
23	KATNI	14	2784
24	Mandla	102	23232
25	Nandurbar	11	21485
26	Narmada	17	23561
27	Narsimhapur	90	17716
28	Panch Mahals	3	142
29	Rajnandgaon	4	307
30	Raisen	83	5793
31	Surat	2	1066
32	Sagar	8	1078
33	Sehore	23	9566
34	Seoni	31	8645
35	Vadodara	11	20062
36	West Nimar	10	62460
37	Bilaspur	0	0
38	Gaurela-Pendra-Marwahi	0	0
39	Umaria	0	0

Table 19: Streams flowing through the comprising districts of Upper Narmada River basin

S. No	State	District	Area (sq. km)	Rivers
1	Chhattisgarh	Kabeerdham	622.12	Banjar River, Bagh Nala, Kukurbahra Nala, Manai Nadi, Bolda Nala, Dhawaipani, Phen River, Muradobra Nala, Jamuniya Nala, Halon Nadi, Lilari Nadi, Khudrai Nala B, Khudrai Nala A, Sunhadabra Nala, Jatla Nala, Harpan R, Katai Nadi, Kabripathra Nala
2	Chhattisgarh	Rajnandgaon	86.06	Gabdi Nala, Banjar River, Bansbhira, Jatla Nala
3	Chhattisgarh	Mungeli	0.41	-
4	Chhattisgarh	Bilaspur	0.32	-
5	Madhya Pradesh	Sagar	376.23	Sinhor Nadi, Madni Nala, Ghogra Nadi, Ghoghara Nala A, Dona Nala, Biranj Nadi, Lakha Nala, Ghora Nala
6	Madhya Pradesh	Damoh	419.82	Loraphalku N, Kair Nadi, Katai Nala, Kasalo N, Madhera Nala, Kohani Nala, Dhaprau Nala
7	Madhya Pradesh	Katni	1134.6	Silpuri N, Patpara N, Kair Nadi, Kobhi Nala, Datla Nala A, Damdama Nala, Heran Nadi, Labhera Nala, Mauri Nala, Katkahri Nala, Paterh N, Bah Nal, Suhar N, Hiran R
8	Madhya Pradesh	Raisen	4518.16	Narmada River, Palkamli N A, Chikhla N, Machherayi Nala, Pata Nala B, Kuhadoh Nala, Tendoni Nala, Pathariya N B, Machhwai N C, Machhwai N B, Amdoh Nadi, Sinhor Nadi, Dudhi River, Jamner Nadi A, Dobi Nadi, Tendoni Nadi, Kala Jhora, Magardha N, Gajanda Nadi, Surai N, Tirka Nala, Bandhan Nadi, Satdhara N, Renga Jhora, Puranapani Nala, Ikyawan Nala, Sukha Nala B, Pathariya N A, Narheri N, Gobi Nala, Patra Nala, Machhwai Nala A, Machhwai Nala B, Machhwai Nala C, Katkasiri N, Bagha N A, Gharbora N, Jhira Nala, Kukarsuta Nala, Mankundi N, Nakti Nadi, Surai Nala, Nandora Nala, Naharla Nadi, Rohiya Nala, Bagha Nala B, Ud N, Kelori Nadi, Rajadhar Nala, Gangaji Nala, Begam Nadi, Silatiya Nala, Ghorhra N, Kopikasa Nala, Piria Nala B, Chandni Nala, Garanju N, Ikyawan N, Gondiwala Jhora, Sukhchain Nala B, Bindar N, Supajhora N, Budka N, Bagha N B, Barna N, Barna Nadi, Machhwai Nala E, Lawajhir Nala, Gadaria N, Anjan River, Chamarsil N, Renga Nala, Khand N, Lamti N B, Jamandhora N, Sukar N, Narvadiya Nadi
9	Madhya Pradesh	Sehore	372.09	Narmada River, Bankur Nala, Tawa River, Kusumaili Nala, Bagli N, Dobi Nadi, Pilia N, Burhi Narmada, Katkasiri N, Potiya Nala, Surai Nala, Chandni Nala, Kosmi N
10	Madhya Pradesh	Jabalpur	4796.75	Narmada River, Kalhar N, Chanta N, Madroti Nala, Ranwai Nadi, Khuja Nala, Matoria Nala, Narrai Nala, Hagni N, Matoria N, Parpara N, Matbaria N, Dev Nala C, Omti Nala, Newari Nala, Mugarha N, Moti Nala B, Kair Nadi, Kobhi Nala, Katai Nala, Kanchan Nala, Bargela N, Soner Nadi, Datla Nala A, Kasalo N, Dala Nala, Duraghat N, Beha Nala, Bidri N, Badheru Nala, Musra Nala, Heran Nadi, Labhera Nala, Hinauta N,

				Madhera Nala, Imarti Nala, Burungi Nala, Patparaha Nala, Bagher nala, Sayanashi Nala, Koha Nala, Khandari R, Teriya Nala, Karthai Nadi, Ghughara Nala, Kohani Nala, Keolari Nala, Pataha Nala, Phagua N, Imarati Nala B, Dhaprau Nala, Mangraha N, Barne N, Tanguna Nala, Banjar Nala, Uldana Nala A, Gajna N, Gaur Nadi, Moti N, Kanari N, Bah Nal, Suhar N, Hiran R, Pariat Nadi, Khurji N
11	Madhya Pradesh	Anuppur	535.74	Narmada River, Marjadi Nala, Radhan N, Kendu Nala, Sukhnal Nala, Rachhar N, Bijora Nala, Machhrar N, Karnai Nala, Barati, Lutiya Nala, Ruddi Nala, Pandripani Nala, Kaswani Nala, Dhobgarh Nala
12	Madhya Pradesh	Dindori	4773.07	Narmada River, Palothar Nala, Rigarh Nala, Marjadi Nala, Karwar Nala, Kirha N, Kukripota Nala, Boir Nala, Barnai Nala, Sontiragh Nadi, Gonrabal Nadi, Sukhnal Nala, Kukra N, Katori N, Kutri R, Bhari N, Kajla N, Machhrar N, Jalda N, Renga N, Dev Nala B, Dev Nala A, Udar N, Matiyari Nala, Karnai Nala, Devsara Nala, Manai Nadi, Batai Nala, Piparkhutta, Chichila N, Turar Nala, Kasaha Nala, Teriya N, Banari N, Ghutai Nala, Dandana Nala B, Chulhanani N, Roha N, Korrer N, Mochi Nala, Kanai N, Tethi Nala, Silgati N, Chachar Nala, Silgi N, Amadob Nala, Kharmer Nadi, Sanjari Nala, Sukha Nala A, Pandripani Nala, Dandana Nala A, Kanai Nala, Ghurdaur Nala, Dhamna Nala, Nakaldaiha Nala, Ghunsi N, Bijakhan Nala, Chakrar Nadi, Rora N, Harpan R, Harsinghi Nala, Tar Nala, Kuteli Nala, Chhipani Nala, Seoni R, Kachnari Nala, Ajar N, Kotar N, Karmandai Nadi, Sukhmer N, Kukra Nala, Dandala Nala, Burhner Nadi
13	Madhya Pradesh	Narsimhapur	4997.75	Narmada River, Gangdor N, Palkamli N A, Gahra Nala, Baghdolna N, Daku N, Machherayi Nala, Bhangra Nala, Pata Nala B, Chitarewa R, Sukha N, Sapan N, Bagha Nala A, Ghetta N, Anvariya Nala, Bodhi N, Ihmana Nala, Kanchana N, Chandighoghra Nala, Machhwai N A, Lendia N, Sinhor Nadi, Datla Nala B, Dudhi River, Shankar N, Ulgana Nala B, Panaha Nala, Chhapra Nala, Madni Nala, Moti Nala B, Ghughari Nala, Gahedua N, Dandri Nala, Gahra N A, Gahra N B, Shrijot Nala, Umar Nala, Pathn N, Soner Nadi, Sanadhana Nala, Sanaghogra Nala, Tinsra N, Rohiya N, Sukha Nala B, Ol Nadi, Umar N, Singla N, Chuna N, Baghni Nala, Badheru Nala, Jhundapani N, Bagla N A, Bagla N B, Kivari Nala, Piria N, Pituwa Nala, Roriya Nala, Onra Nala, Bagher nala, Nakta Nala, Palkamli N B, Singri N, Ghoghra N, Gidhan Nala, Barurewa N A, Barurewa N B, Sher River, Kilchi N, Umar Nadi, Jugiya Nala, Ghagra Nala, Sukhchain Nala A, Ajan N, Dondhajhora Nala, Dhamani Nadi, Kethki N, Gehra N, Paraijhiriya N, Tarha N, Gokalkhatta Nala, Ghora Nala, Macharewa R, Kanchna N, Siddh N, Shakkar Nadi, Hiran R, Kanera Nadi, Pandajhir Nadi, Ritha Nala, Dagasia Nala
14	Madhya Pradesh	Mandla	6645.74	Narmada River, Kalhar N, Patparahi Nala, Ranwai Nadi, Gonrabal Nadi, Narrai Nala, Banjar River, Gahir Nala, Garbari N, Mahodar Nala, Bhagorna Nala, Burburhi Nala, Parpara N, Sorma Jhori Nala, Sunha Nala, Gonda Nala, Bargi N, Kindri Nala, Kopedonda Nala, Dev Nala A, Datla N, Jhamjhum Nala, Newari Nala, Jejam Nala, Manai Nadi, Burburi Nala, Tirri Nala, Dulha Nadi, Chichila N, Datla Nala C, Kokchi Nala, Bijna Nala, Teriya N, Baghdhara Nala, Borada Nala, Dhawaipani, Mala Nala, Banari N, Amakol Nala, Ghoghra Nala, Shakraha N, Bidri N, Roha N, Balal Nadi, Muradobra Nala, Hati Nala, Matiar Nala, Kukura Nala,

				Patpara Nala A, Gurbini Nala, Kukri Nala, Anari N, Marjadi N, Musra Nala, Gurda Nala, Hingna Nala, Bhimori Nala, Bamiya Nala, Guptganga N, Chuhi Nala, Burungi Nala, Ghutku Nala, Sukha Nala A, Lilari Nadi, Bhai Nala, Murjhiriya N, Bakal N, Patpara Nala B, Matiari N, Baidar Nala, Sailwara Nadi, Kanha Nala, Gurbini N, Rajakachhar Nala, Bhaibahin Nala, Harpan R, Surpan N B, Surpan N A, Katai Nadi, Nigga Nala, Sukhram Nala, Khular N, Bagbura Nala, Mogaliya Nala, Kani Nala, Hargarhi Nala, Khalkhaii Nala, Ghanghar N, Tanguna Nala, Bitiyadhar Nala, Hiragarhi Nala, Mohanjhori Nala, Patpara Nala C, Gaur Nadi, Jhamil N, Surwahi Nadi, Nadiya N, Kop Nala, Kukra Nala, Burhner Nadi, Phadej Nala, Kabripathra Nala
15	Madhya Pradesh	Hoshangabad	4646.03	Narmada River, Ghorhri Nala, Bainganga N, Gahra Nala, Mithijhiri N, Langham Nadi, Parata N, Machherayi Nala, Gondiya N, Monpani Nadi, Bankur Nala, Manasgwari N, Bhimkind N, Bella Nala, Lehanra Nala, Kahuapani Nala, Kerapati N, Koti Nadi, Tawa River, Bori N, Dudhi River, Bagli N, Chikla Nala, Sainkuria Nala, Ulgana Nala B, Sonbhadra Nadi, Jhau Nala, Bhajipani Nala, Motighoghra N, Sula N, Madagin N, Lama Nala, Jhirpa N, Sukhi N B, Bhangra Nadi, Bija N, Nagan Nala, Kotipati N, Panari Nala, Burhi Narmada, Denwa River, Bhainsa Nala, Machla Nala, Bori Nadi, Fundna Nala, Mundi Nala, Ol Nadi, Palakmati Nadi A, Kummajhiri Nala, Brijta N, Sarra Nala, Bakod Nala, Dhamni Nadi, Machhwai Nala D, Hathidol Nala, Silpali Nala, Manwara N, Junkur N, Katkasiri N, Nagdwari Nadi, Korajhori Nala, Suk Tawa R, Potiya Nala, Periyar Nadi, Maru Nadi, Marraun N, Machldhar Nala, Ganjakunwar Nala, Malni Nadi, Giddh N, Suaria Nala, Sukha Nadi, Rain Nadi, Dabdaba Nala, Dagdaga Nala, Supara Nala, Baosiya Nala, Tilberi N, Ghoghara Nala B, Andharabawdi Nala, Marram Nala, Suki Nala, Shrijonth Nala, Bhardakkunda Nala, Korn Nadi, Bordha N, Dhar N B, Khahra N, Lingi N, Anjan River, Patpani Nala, Khand N
16	Madhya Pradesh	Seoni	2251.37	Narmada River, Chanta N, Jamanjhira Nala, Bhagorna Nala, Datla Nala B, Patwara Nadi, Soner Nadi, Kurrumunda Nala, Balal Nadi, Umar N, Paryat Nadi, Hinauta N, Temur N, Teriya Nala, Sher River, Gadheri Nadi, Jhanda Nala, Sher Nala, Imarati Nala B, Dabki Nadi, Imarati Nala A, Bitiyadhar Nala, Baghora N, Hiragarhi Nala, Nagdhar Nala, Macharewa R, Gurda Nadi, Chakarpeth N, Shakkar Nadi, Kanera N, Kanera Nadi
17	Madhya Pradesh	Chhindwara	3545.08	Bainganga N, Baghdolna N, Kudnl Nala, Bhadbhada N, Sukha N, Sapan N, Gheta N, Bodhi N, Chandighoghra Nala, Tharakna Nala, Kerapati N, Tawa River, Bodaljhora Nala, Dudhi River, Dudhi Nadi, Sonbhadra Nadi, Hard N, Jhau Nala, Bholki N, Bhajipani Nala, Sula N, Barchha Nala, Bija N, Bharadhar Nadi, Sanadhana Nala, Denwa River, Sanaghoghra Nala, Lamti N A, Bori Nadi, Nishan Nala A, Lamti Nala, Tambiya Nadi, Dhar N A, Jhmru N, Kapur Nala, Chitarewa River, Silpati N, Piparpani Nala, Bairsa Nala, Parakhundra N, Dhubghat Nala, Dudher Nadi, Korajhori Nala, Katta N, Paraswara Nala, Mangrahi Nala, Jahrkot Nala, Karidoh Nala, Toparghogra Nala, Marraun N, Nikai Nala, Barurewa N B, Titoriya Nala, Goridhar Nala, Gui N, Rakhi Nadi, Macharewa R, Banki Nala, Shakkar Nadi, Anjan River, Patpani Nala

18	Madhya Pradesh	Balaghat	2291.76	Kharari Nala, Samrahi Nala, Gurur Nala, Banjar River, Bagh Nala, Gonda Nala, Halon N, Jhamjhum Nala, Burburi Nala, Bolda Nala, Banjari Nala, Kanhar Nala, Khudrahi Nala, Muradobra Nala, Hati Nala, Pati Nala, Pongar Nala, Halon Nadi, Bhai Nala, Khudrai Nala A, Tanno River, Kashmiri Nadi, Mimkur Nala, Bhongir Nala, Bhaibahin Nala, Kheni Nala, Minkor Nala, Aunrghaghra Nala, Mohanjhori Nala
19	Madhya Pradesh	Betul	2875.47	Chakora Nala, Machna R, Sawaniya N, Ghughra N, Dharakhoh N, Pata Nala A, Bhimkind N, Khirni Nala, Chip or Ghoghra N, Kerapati N, Koti Nadi, Mohta Nala, Salidhana N, Tawa River, Dudhi Nadi, Latiya Nala, Ghosiya Nala, Sonbhadra Nadi, Nimpani Nala, Raniam Nala, Bharanga Nadi, Kubra Nala, Bharadhar Nadi, Lendi Nala, Kotipati N, Denwa Nadi, Nishan Nala A, Nishan Nala B, Sukhi N A, Bhaunra N, Silpati N, Golai Nala, Singanwari Nala, Amari N, Ampan Nala, Bhumkadhana N, Saranga Nadi, Mundawani N, Pindu Nala, Malni Nadi, Lobar Nadi, Kashi Nala, Bamandev N, Diydo N, Jogimath Nala, Darwaza N, Dagdaga Nala, Juban Nala, Magardoh N, Phopas Nadi, Sampna N, Mankar Nadi, Bordha N, Dhar N B, Karanji Nala, Chakdilya Nala

Table 20: Streams flowing through the comprising districts of Middle Narmada River basin

S. No.	STATE	DISTRICT	Area	River
1	Madhya Pradesh	Bhopal	57.96	Kolar Nadi
2	Madhya Pradesh	Raisen	309.99	Kolar Nadi, Bhagner N, Gadariya N, Kaliyadeh Nadi, Gunjari N, Utawali N
3	Madhya Pradesh	Sehore	4009.46	Narmada River, Tawa River, Ganjal Nadi, Kolar Nadi, Sip Nadi, Hather Nadi, Datuni N, Jamner Nadi B, Ajnal Nala, Bagdi Nadi
4	Gujarat	Panch Mahals	83.92	Hatni River
5	Madhya Pradesh	Dewas	4160.44	Narmada River, Ajnal Nadi, Machak Nadi, Datuni N, Kanar Nadi, Khari N B, Jamner Nadi B, Bagdi Nadi, Lohar N, Chankeshar Nadi
6	Madhya Pradesh	Jhabua	2982.96	Narmada River, Hatni River, Udai Nadi, Uri Wagh River, Wagh or Bagh River, Sukar nadi, Jharkal River, Ankhar Nadi, Dohi Nadi, Panchhi N
7	Madhya Pradesh	Dhar	5208.52	Narmada River, Goi Nadi, Deb Nadi, Man Nadi, Uri Wagh River, Wagh or Bagh River, Karam Nadi, Borar Nadi, Khuj Nadi, Chiri Nadi
8	Madhya Pradesh	Indore	1548.81	Karam Nadi, Kanar Nadi, Choral R, Kholar N, Lohar N, Malan N, Maheshwari Nala, Jamner N, Dabri N, Odhali N A
9	Madhya Pradesh	Hoshangabad	4462.05	Morand Nadi, Ganjal Nadi, Ajnal Nadi, Machak Nadi, Syani Nadi, Hather Nadi, Ghorapachhar Nadi, Bhaji Nadi, Kalimachak Nadi, Midkul N

10	Gujarat	Vadodara	413.14	Narmada River, Khat Nadi, Katri Nadi, Indarvar Nala
11	Madhya Pradesh	West Nimar	10869.71	Narmada River, Goi Nadi, Beda Nadi, Sukta Nadi B, Kunda River, Deb Nadi, Kanar Nadi, Choral R, Borar Nadi, Kholar N
12	Madhya Pradesh	East Nimar	5905.70	Narmada River, Sukta Nadi B, Ghorapachhar Nadi, Kalimachak Nadi, Chhota Tawa River, Bham N, Ajnal N, Ruparel Nadi, Kaveri Nadi, Sivji Nala
13	Madhya Pradesh	Betul	554.51	Morand Nadi, Bhaji Nadi, Duni Nala, Bhaura N, Ghogra N, Sukha Nala, Kotmi Nala, Dakidoh Nala, Junapani N C
14	Gujarat	Bharuch	358.73	Narmada River, Devganga
15	Maharashtra	Nandurbar	1230.61	Narmada River, Udai Nadi, Devganga, Jharkal River, Devnand Nadi, Bokrata Nadi, Khat Nadi, Katri Nadi, Devganga spring L, Devganga spring R
16	Maharashtra	Dhule	9.01	N/A

Table 21: Streams flowing through the comprising districts of Lower Narmada River basin

S. No	State	District	Area (sq. km)	Rivers
1	Madhya Pradesh	Alirajpur	967.71	Dhudhwal Nala, Pogvi Nala, Nakda Nadi, Dhamni Nala, Ani Nadi, Heran Nadi A, Sukta Nadi A, Mathwad nala, Sukti Nadi, Kara Nadi, Orsang River, Bharoj Nala, Undo Nala
2	Gujarat	Panch Mahals	133.98	Suki Nadi, Meriya
3	Gujarat	Dohad	65.88	Bharaj Nadi, Vaswa Nadi
4	Gujarat	Vadodara	594.65	Heran Nadi A, Aina Nadi, Narmada River, Orsang River, Asan Nala, Veru Nala, Bhukhi River
5	Gujarat	Bharuch	2705.55	Amala Khadi, Ratanpurni, Amravati Nadi, Mohan Nadi, Karedi, Karjan, Narmada River, Hakran, Kansa ki khadi, Asan Nala, Lindia Nala, Chandrai Khadi, Bhukhi River, Kaveri, Madhumati Nadi
6	Gujarat	Narmada	2205.44	Men, Tarav, Nandi Khadi, Heran Nadi A, Mohan Nadi, Aswan Nadi, Sukli, Karjan, Dhamao Khadi, Narmada River, Bogla Nadi, Shamarlyo Khadi, Kaludi, Dhamani Khadi, Chandrai Khadi, Makodi Nadi, Damni
7	Gujarat	Surat	206.71	Mohan Nadi, Karjan
8	Gujarat	Chota Udaipur	3158.39	Suki Nadi, Dhudhwal Nala, Meriya, Pogvi Nala, Men, Nakda Nadi, Dhamni Nala, Ani Nadi, Bharda Nadi, Surya Nadi, Heran Nadi A, Sukta Nadi A, Aina Nadi, Aswan Nadi, Mathwad nala, Maniyan Nadi, Uchh, Kara Nadi, Huktu, Waswa Nala, Orsang River, Jarawa Nala, Rami, Jharkhadi Nadi, Heran Nadi B, Bharaj Nadi, Vaswa Nadi, Suket Nadi, Bharoj Nala, Undo Nala
9	Maharashtra	Nandurbar	33.2	Bogla Nadi

SUB-BASIN WISE CHARACTERISTICS OF WATER RESOURCES STRUCTURES

Table 22: Sub-Basin-wise categorization of reservoirs in the Narmada River basin

Sl. No	Category	Upper Narmada	Middle Narmada	Lower Narmada	Narmada River Basin
1	Large Reservoirs (> 5000 Ha)	3	2	1	6
2	Medium Reservoirs (1001 <= area <=5000 Ha)	2	4	2	8
3	Small Reservoirs (<1000 Ha)	178	232	31	441
4	Total	183	238	34	455
5	Total Area (Ha)	59352.27	101512.43	21411.38	182276.10

Table 23: State-wise categorization of reservoirs in the Narmada River basin

Sl. No	Madhya Pradesh	Gujarat	Maharashtra	Chhattisgarh
Upper Narmada				
1	180	-	-	3
Middle Narmada				
2	235	1	2	-
Lower Narmada				
3	7	27	-	-
Narmada River Basin				
4	422	28	2	3

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.

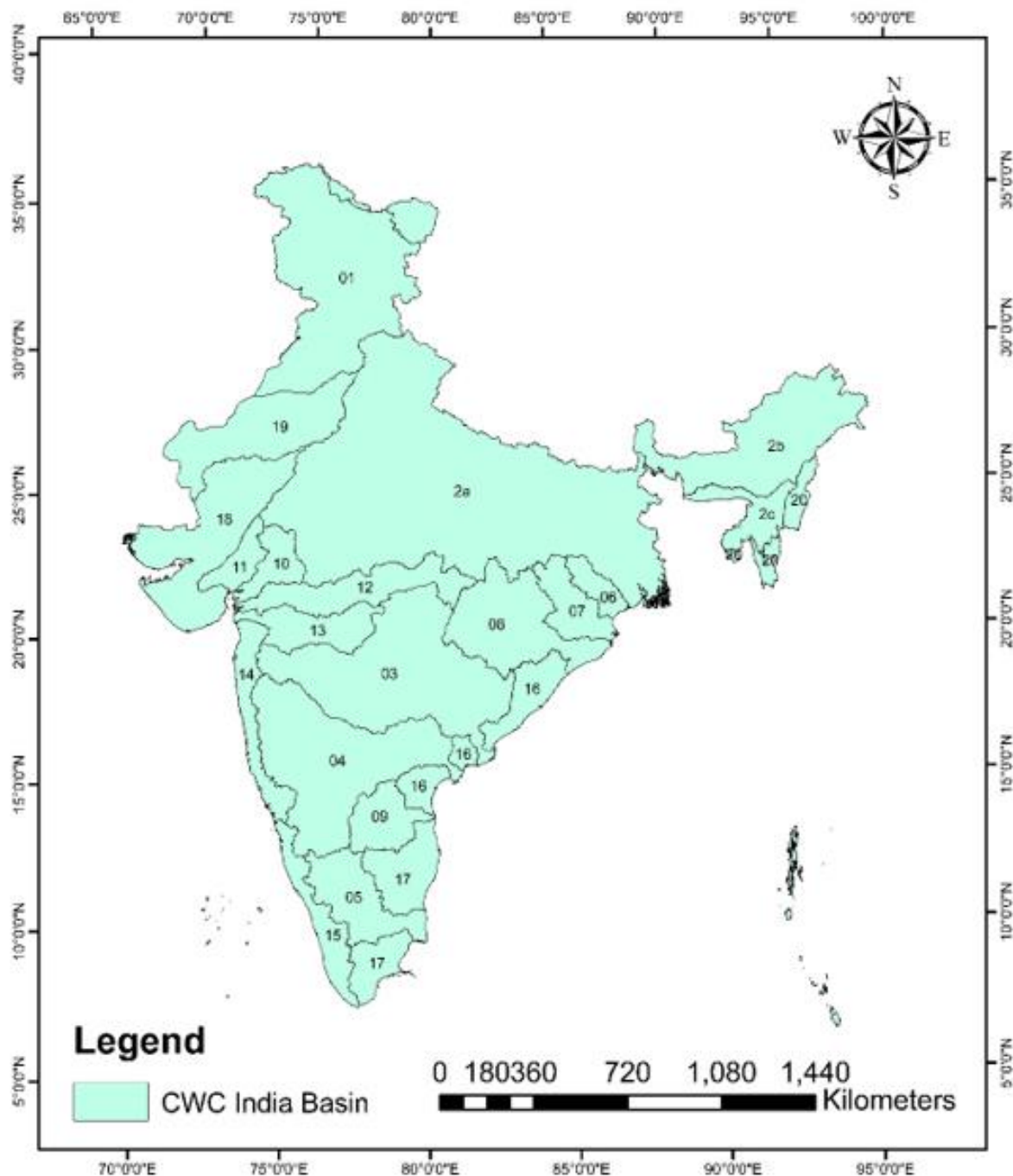


Figure 15: Level 1 River Basins in India

Source: CWC

Table 24: 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

NARMADA 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 Narmada Basin is illustrated in the map below.

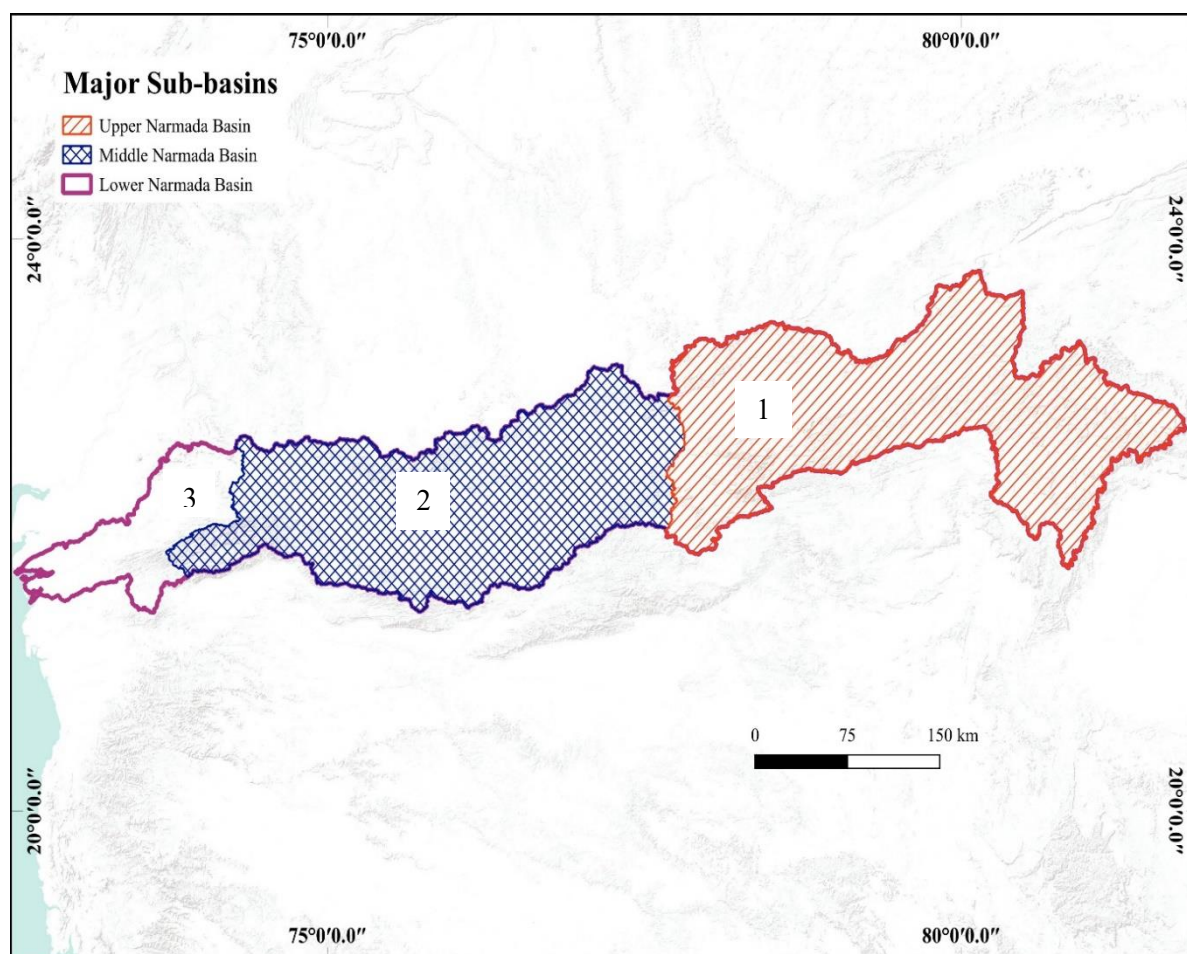


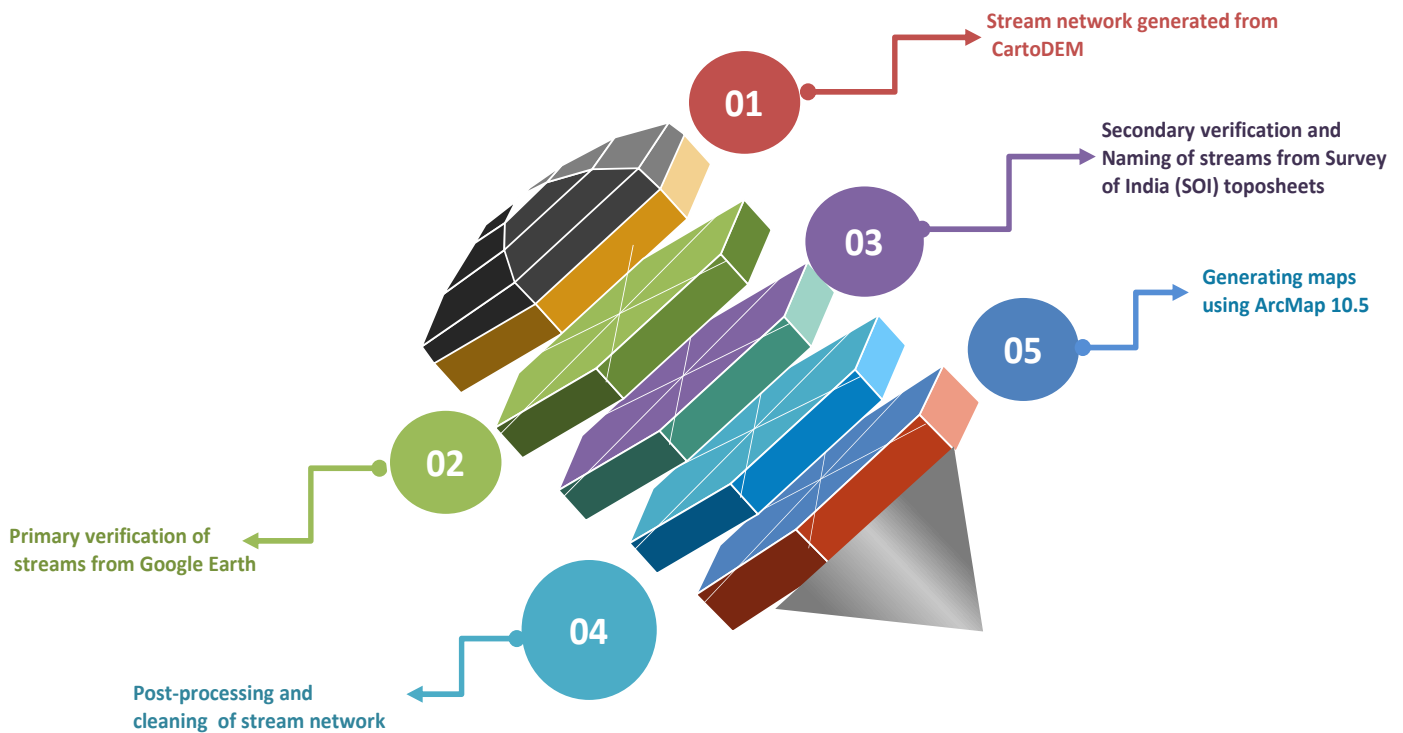
Figure 16: Significant Level 2 River Basins in Narmada Basin

Table 25 List of Significant Level 2 River Basins in Narmada Basin

S No.	Basin Name
1	Upper Narmada
2	Middle Narmada
3	Lower Narmada

RIVER NETWORK PREPARATION METHODOLOGY

The methods adopted, in brief, to obtain the river network are stepwise as follows:



- ❖ 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.

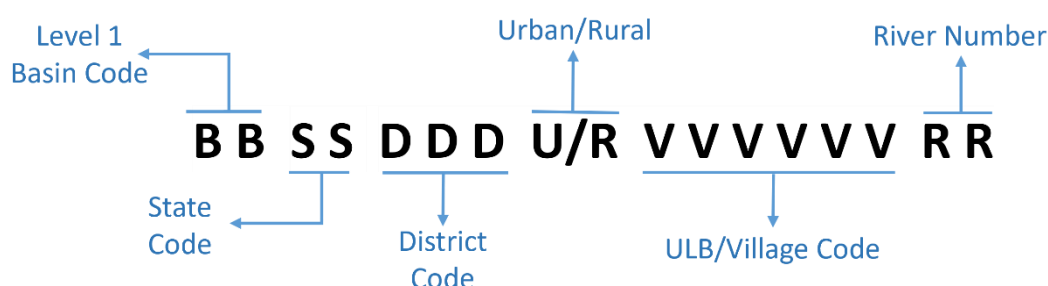
Disclaimer: The accuracies of the maps generated by the above method are subject to the limitations of the data processing tools and software used for the particular geographical regions as represented in Google Earth images and are subject to future refinement.

RIVER CODIFICATION METHODOLOGY

In the present Narmada River Basin Atlas, alphanumeric codes are used to uniquely identify each river and stream within the basin. Codification follows a structured hierarchy combining natural hydrological boundaries and administrative divisions. Each step in the hierarchy adds a new character or digit to the code, leading to a total length of 16 characters.

a) 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 "MP" for Narmada. The following three digits represent the district where the river originates. The next character, 'U' or 'R,' indicates whether the origin is in an urban or rural area. 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. The district and ULB/village code correspond to the origin of the river, and are available from Local Government Directory, GoI (LGD) website. 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.



b) River originates in Forest 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 "MP" for Narmada. The following three digits indicate the district where the river originates. The next character, 'F,' signifies that the river originates in a forest area. 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 river that originates within the specific forest cover or range.

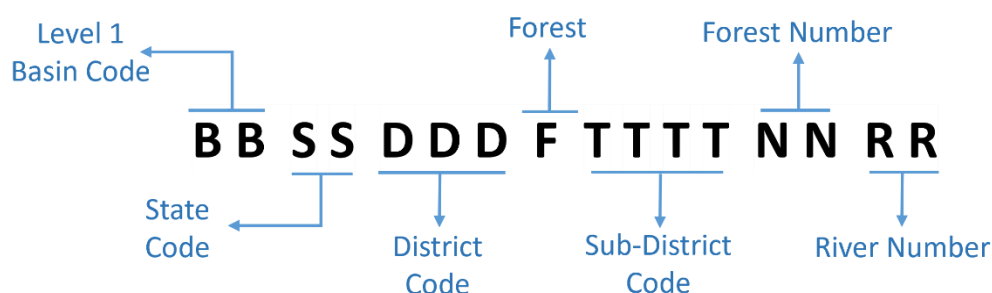


Table 26: Coded Stream Network Characteristics of Narmada Mainstream

Sl. No	River Name	River Code	Long (Origin)	Lat (Origin)	Long (Confluence)	Lat (Confluence)	Length (km)
1	Narmada River	12MP390U25319502	81.76	22.67	72.68	21.66	1375.73

Table 27: Coded Stream Network Characteristics of Upper Narmada River Basin

Sl. No	River Name	River Code	Long (Origin)	Lat (Origin)	Long (Confluence)	Lat (Confluence)	Length (km)	Bank Side
1	Kutri R	12MP404R49173401	80.64	23	80.65	23	0.87	right
2	Kanera N	12MP428R49570201	79.42	22.54	79.43	22.54	0.98	left
3	Lawajhir Nala	12MP421R48389402	78.05	23.26	78.04	23.26	1.05	right
4	Kasaha Nala B	12MP404R49195401	81.07	22.98	81.06	22.98	1.24	right
5	Sukhnal Nala	12MP390R50229001	81.7	22.78	81.69	22.78	1.41	right
6	Narheri N	12MP421R48460001	78.01	23.18	78.02	23.17	1.57	right
7	Rajakachhar Nala	12MP415R49276101	80.35	22.79	80.33	22.79	1.69	right
8	Pathn N	12MP418R49099801	78.92	22.92	78.9	22.92	1.91	left
9	Machhwai Nala E	12MP421R48457201	78.3	23	78.28	22.99	1.98	right
10	Malni Nadi B	12MP409R48777020	78	22.46	77.98	22.45	2.03	left
11	Kindri Nala B	12MP415R49294701	80.45	22.66	80.46	22.67	2.04	right
12	Gangaji Nala	12MP421R48378802	77.84	23.23	77.85	23.22	2.12	right
13	Motighoghra N	12MP409R48777007	78.32	22.46	78.31	22.44	2.18	left
14	Chulhanani N	12MP404R49179001	80.83	23	80.81	23	2.25	left
15	Giddh N	12MP409R48790805	78.48	22.48	78.5	22.47	2.31	left
16	Sher Nala	12MP428R49585801	79.73	22.59	79.72	22.6	2.4	left
17	Lamti Nala	12MP399R49404601	78.88	22.51	78.86	22.52	2.43	left
18	Gahra N B	12MP418R49103701	78.93	22.79	78.91	22.79	2.49	left

19	Lamti N B	12MP421R48475901	78.23	23.18	78.24	23.16	2.5	right
20	Kummajhiri Nala	12MP409F36180102	78.39	22.57	78.4	22.58	2.73	left
21	Bamandev N	12MP394R48595601	78.19	22.32	78.18	22.34	2.81	left
22	Mugarha N	12MP411R49031301	80.23	23.16	80.23	23.14	2.82	right
23	Supajhora N	12MP421R48463202	78.16	23.17	78.15	23.15	2.83	right
24	Mundi Nala	12MP409R48777012	78.06	22.42	78.06	22.44	2.92	left
25	Bindar N	12MP421R48463401	78.12	23.08	78.14	23.09	3	right
26	Dona Nala	12MP425R46156101	78.97	23.28	78.95	23.27	3.01	right
27	Supara Nala	12MP409R48777016	78.15	22.48	78.18	22.48	3.01	left
28	Chandighoghra Nala B	12MP399R49401902	78.9	22.64	78.88	22.63	3.06	left
29	Bagha N B	12MP421R48474801	78.24	23.24	78.25	23.21	3.08	right
30	Phagua N	12MP411R49030201	80.13	23.21	80.11	23.22	3.16	right
31	Surai N	12MP421R48503001	78.51	23.03	78.5	23.01	3.2	right
32	Jhirpa N	12MP409R48777010	78.16	22.46	78.18	22.46	3.21	left
33	Gurbini Nala	12MP415R49302201	80.65	22.76	80.63	22.75	3.23	left
34	Surai Nala	12MP421R48470301	78.04	22.82	78.03	22.82	3.24	right
35	Shrijonth Nala	12MP409F36180107	78.4	22.54	78.41	22.57	3.3	left
36	Khalkhaii Nala	12MP415R49340601	81.05	22.57	81.03	22.55	3.35	left
37	Juban Nala	12MP394R48591901	78.06	22.23	78.05	22.25	3.42	left
38	Mankar Nadi	12MP394R48592201	78.14	22.25	78.12	22.26	3.51	left
39	Lama Nala	12MP409R48777009	78.21	22.4	78.19	22.41	3.55	left
40	Bansbhira	12CG759R44005001	80.88	21.78	80.86	21.79	3.64	left
41	Parpara N	12MP415R49262401	80.1	23.07	80.1	23.1	3.68	right
42	Junkur N	12MP409R48777014	78.28	22.47	78.26	22.44	3.71	left
43	Chhapra Nala	12MP418R49082101	78.61	22.91	78.58	22.92	3.71	left
44	Jamandhora N	12MP421R48476001	78.22	23.16	78.26	23.16	3.73	right

45	Damdama Nala	12MP413F36260101	80.47	23.38	80.44	23.39	3.76	right
46	Kani Nala	12MP415F36410204	80.49	22.95	80.51	22.95	3.79	right
47	Dagdaga Nala	12MP394R48594001	78.23	22.39	78.23	22.42	3.81	left
48	Lingi N	12MP409R48790806	78.39	22.45	78.38	22.48	3.87	left
49	Gadaria N	12MP421R48495801	78.17	23.21	78.19	23.23	3.88	right
50	Kashi Nala	12MP394R48553201	77.69	21.94	77.72	21.94	3.99	left
51	Madagin N	12MP409R48777008	78.27	22.47	78.28	22.5	4.03	left
52	Parakhundra N	12MP399R49442301	78.35	22.38	78.32	22.37	4.06	left
53	Dhamna Nala B	12MP404F36400405	81.23	22.48	81.22	22.51	4.13	left
54	Palothar Nala	12MP404F60710501	81.4	22.57	81.37	22.58	4.15	left
55	Matbaria N	12MP411R48914601	80.2	23.45	80.16	23.44	4.18	right
56	Mangrahi Nala	12MP399R49372501	78.84	22.56	78.84	22.59	4.22	left
57	Sukhram Nala	12MP415R49261401	80.3	23.04	80.31	23.07	4.22	right
58	Radhan N	12MP390R50208001	81.23	22.96	81.19	22.94	4.24	right
59	Baghni Nala	12MP418R49081901	78.63	22.97	78.62	23	4.28	left
60	Bhari N	12MP404R49177001	80.69	22.97	80.68	22.99	4.31	left
61	Kahuapani Nala	12MP409R48777006	78.01	22.48	78	22.45	4.34	left
62	Burhi Narmada	12MP427R48353001	77.91	22.79	77.91	22.82	4.38	left
63	Gondiya N	12MP409R48777002	78.29	22.47	78.28	22.5	4.51	left
64	Brijta N	12MP409R48790803	78.44	22.41	78.45	22.38	4.6	left
65	Kilchi N	12MP418R49075802	78.88	22.93	78.85	22.94	4.67	left
66	Moti N	12MP411R48993901	79.96	22.97	79.96	23	4.75	right
67	Katori N	12MP404R49199001	81.16	22.98	81.18	22.95	4.75	right
68	Kasalo N	12MP400F34590101	79.74	23.44	79.76	23.41	4.76	right
69	Ajgar N	12MP404R49170801	80.79	23.05	80.78	23.02	4.83	right
70	Machhwai N C	12MP421R48500601	78.46	23.14	78.47	23.11	4.84	right
71	Teriya N	12MP404R49175001	80.68	22.84	80.66	22.81	4.88	left

72	Siddh N	12MP418R49072801	78.87	22.97	78.83	22.98	4.9	left
73	Ghughra N	12MP394R48558301	78.06	21.97	78.02	21.97	4.9	left
74	Dondhajhora Nala	12MP418R49105103	78.72	22.69	78.7	22.71	4.9	left
75	Manasgwari N	12MP409R48777004	78.15	22.45	78.12	22.46	4.91	left
76	Kubra Nala	12MP394R48593801	78.22	22.36	78.19	22.39	5.06	left
77	Garanju N	12MP421R48400601	78.35	23.36	78.35	23.32	5.12	right
78	Piria Nala B	12MP421R48478201	78.36	23.17	78.39	23.14	5.13	right
79	Machhwai Nala D	12MP409R48794901	78.52	22.9	78.52	22.94	5.14	left
80	Jhundapani N	12MP418R49104703	78.96	22.69	79	22.7	5.15	left
81	Mochi Nala	12MP404F60710202	81.3	22.59	81.26	22.59	5.18	left
82	Paraijhiriya N	12MP418R49063501	79.45	22.87	79.4	22.86	5.19	left
83	Bargi N	12MP415F36410101	80.22	23.02	80.24	23.05	5.2	right
84	Kosmi N	12MP427R48347001	77.73	22.9	77.76	22.88	5.2	right
85	Keolari Nala	12MP411R48987801	79.88	23.02	79.93	23.02	5.22	left
86	Barurewa N A	12MP418R49132001	79.12	22.99	79.11	23.01	5.3	left
87	Kabripathra Nala	12CG382R43931701	81.11	22.27	81.09	22.3	5.3	left
88	Nikai Nala	12MP399R49401901	78.89	22.65	78.85	22.63	5.37	left
89	Ghogra Nadi	12MP425R46155901	78.98	23.25	78.94	23.24	5.4	right
90	Amari N	12MP394R48570901	78.07	21.96	78.03	21.97	5.42	left
91	Rohiya N	12MP418R49108301	79.27	23.07	79.23	23.06	5.54	left
92	Magardoh N	12MP394R48604901	77.92	22.25	77.9	22.27	5.56	left
93	Patpara Nala C	12MP415F36430103	80.28	22.66	80.32	22.66	5.58	left
94	Piparpani Nala	12MP399R49374501	78.61	22.47	78.63	22.5	5.69	left
95	Gahra N A	12MP418R49093701	78.86	22.86	78.83	22.86	5.73	left
96	Bamiya Nala	12MP415R49296301	80.43	22.69	80.48	22.67	5.74	right
97	Ritha Nala	12MP418R49143201	78.99	23.17	78.95	23.15	5.8	right
98	Baosiya Nala	12MP409R48797901	78.54	22.85	78.51	22.87	5.84	left

99	Kirha N	12MP404R49200701	81.07	22.92	81.03	22.93	5.86	left
100	Pataha Nala	12MP411R48980501	79.75	23.03	79.7	23.03	5.96	left
101	Silpali Nala	12MP409F36180103	78.36	22.54	78.34	22.58	5.98	left
102	Dandri Nala	12MP418F36350102	78.9	22.72	78.85	22.73	6.02	left
103	Dabdaba Nala	12MP409F36170401	78.04	22.42	78	22.42	6.1	left
104	Jalda N	12MP404R49179401	80.86	23.01	80.85	23.05	6.2	left
105	Raniam Nala	12MP394F69890101	77.89	21.94	77.84	21.95	6.24	left
106	Chuhi Nala	12MP415R49350006	80.99	22.35	80.99	22.39	6.25	left
107	Burungi Nala	12MP411R49033101	80.32	23.15	80.27	23.15	6.26	right
108	Lakha Nala	12MP425R46155601	78.96	23.31	78.95	23.27	6.28	right
109	Ghoghara Nala B	12MP409R48777017	78.15	22.4	78.18	22.42	6.36	left
110	Murjhiriya N	12MP415F36430102	80.28	22.6	80.31	22.64	6.55	left
111	Gokalkhatta Nala	12MP418R49115601	79.26	22.77	79.26	22.81	6.56	left
112	Minkor Nala	12MP392F36750503	80.63	22.22	80.6	22.18	6.69	left
113	Pindu Nala	12MP394R48594803	78.14	22.32	78.18	22.34	6.7	left
114	Ulgana Nala B	12MP418R49084901	78.63	22.86	78.58	22.87	6.7	left
115	Bagla N A	12MP418R49073801	78.76	23.02	78.73	23.04	6.71	left
116	Umar Nadi	12MP418R49105102	78.74	22.7	78.78	22.72	6.73	left
117	Duraghat N	12MP411R49031101	80.2	23.16	80.16	23.15	6.76	right
118	Monpani Nadi	12MP409R48777003	78.15	22.47	78.1	22.45	6.81	left
119	Korajhori Nala	12MP399R49374001	78.61	22.47	78.55	22.45	6.85	left
120	Tanguna Nala	12MP411R49032301	80.33	23.14	80.28	23.14	6.94	right
121	Ghoghra Nala	12MP415R49350005	81.1	22.4	81.05	22.43	6.99	left
122	Sunhadabra Nala	12CG382R43943301	81.04	22.01	81	22.04	7	left
123	Saranga Nadi	12MP394R48592101	78.1	22.27	78.05	22.25	7.01	left
124	Piria N	12MP418R49075801	78.85	22.91	78.85	22.94	7.16	left
125	Mohanjhor Nala	12MP392F36740603	81.02	22.21	81.03	22.27	7.19	left

126	Renga Jhora	12MP421R48444701	77.83	23.06	77.83	23.01	7.2	right
127	Toparghogra Nala	12MP399R49401703	78.94	22.6	78.97	22.62	7.22	left
128	Dandana Nala B	12MP404R49208601	81	22.74	81.05	22.75	7.24	left
129	Gui N	12MP399R49442201	78.37	22.35	78.42	22.38	7.24	left
130	Bagha Nala B	12MP421R48446801	77.94	23.05	77.98	23.05	7.29	right
131	Kharari Nala	12MP392F36750501	80.64	22.22	80.63	22.17	7.31	left
132	Dudher Nadi	12MP399R49373702	78.55	22.48	78.6	22.51	7.34	left
133	Piparkhutta	12MP404R49232001	81.49	22.71	81.46	22.74	7.37	left
134	Guptganga N	12MP415R49300601	80.61	22.84	80.63	22.8	7.47	left
135	Dhar N A	12MP399R49377001	78.62	22.34	78.61	22.39	7.49	left
136	Nakta Nala	12MP418R49081502	78.6	22.96	78.54	22.96	7.49	left
137	Bagli N	12MP409R48751901	77.84	22.83	77.79	22.84	7.5	left
138	Onra Nala	12MP418R49081501	78.6	22.97	78.59	23.01	7.55	left
139	Rachhar N	12MP390R50206801	81.24	22.97	81.22	22.91	7.58	right
140	Andharabawdi Nala	12MP409F36180105	78.32	22.51	78.35	22.56	7.6	left
141	Banjar Nala B	12MP411R48975401	79.68	23	79.63	23	7.6	left
142	Kanchna N	12MP418R49075301	78.83	22.95	78.84	22.99	7.61	left
143	Ghutai Nala	12MP404F60710201	81.29	22.65	81.35	22.67	7.66	left
144	Machhwai Nala A	12MP421R48478901	78.41	23.24	78.42	23.19	7.69	right
145	Machhwai Nala B	12MP421R48497201	78.43	23.12	78.42	23.08	7.78	right
146	Panari Nala	12MP409R48790701	78.43	22.54	78.44	22.58	7.78	left
147	Katkasiri N	12MP421R48469801	78.03	22.84	78.01	22.81	7.8	right
148	Kajla N	12MP404R49182201	80.77	23.07	80.77	23.03	7.83	right
149	Narvadiya Nadi	12MP421R48384701	78.01	23.29	78	23.25	7.83	right
150	Phadej Nala	12MP415R49350101	81.11	22.31	81.05	22.3	7.88	left
151	Tirka Nala	12MP421R48507201	78.68	23.19	78.68	23.24	7.9	right

152	Dev Nala B	12MP404F36390101	80.84	22.88	80.89	22.91	8.03	left
153	Lamti N A	12MP399R49408401	79.09	22.42	79.08	22.47	8.05	left
154	Mankundi N	12MP421R48484501	78.49	23.3	78.45	23.27	8.07	right
155	Chakarpath N	12MP428R49595301	79.35	22.5	79.35	22.55	8.08	left
156	Beha Nala	12MP411R48942201	79.81	23.35	79.8	23.4	8.1	right
157	Ol Nadi B	12MP409R48802701	78.56	22.7	78.56	22.75	8.21	left
158	Amakol Nala	12MP415R49247801	80.35	22.81	80.3	22.8	8.21	right
159	Samrahi Nala	12MP392F36750502	80.67	22.21	80.64	22.16	8.25	left
160	Palkamli N B	12MP418R49126201	79.06	23.16	79.02	23.14	8.29	right
161	Imarati Nala B	12MP428F36590102	79.69	22.91	79.65	22.95	8.33	left
162	Hathidol Nala	12MP409R48776201	78.07	22.62	78.03	22.58	8.38	left
163	Jogimath Nala	12MP394R48577701	77.67	21.96	77.74	21.96	8.48	left
164	Bhainsa Nala	12MP409R48777011	78.08	22.5	78.03	22.46	8.51	left
165	Harsinghi Nala	12MP404R49242801	81.4	22.51	81.45	22.52	8.51	left
166	Shankar N	12MP418R49071601	78.92	23	78.87	23.02	8.66	left
167	Gidhan Nala	12MP418R49083501	78.71	22.93	78.68	22.98	8.7	left
168	Golai Nala	12MP394R48583201	78.01	22.2	77.96	22.21	8.71	left
169	Pathariya N A	12MP421R48497401	78.44	23.11	78.41	23.07	8.72	right
170	Bhaunra N	12MP394F36030102	77.79	22.28	77.85	22.28	8.73	left
171	Badheru Nala	12MP418R49107101	79.3	23.15	79.35	23.13	8.73	right
172	Chakdilya Nala	12MP394R48563901	77.88	21.81	77.83	21.86	8.74	left
173	Shrijot Nala	12MP418R49104701	78.94	22.66	79	22.69	8.76	left
174	Ajan N	12MP418R49074601	78.79	22.97	78.75	22.97	8.76	left
175	Kop Nala	12MP415R49347101	80.5	22.37	80.44	22.35	8.79	left
176	Dhar N B	12MP394R48602801	77.81	22.33	77.85	22.35	8.81	left
177	Dhobgarh Nala	12MP390R50218901	81.45	22.89	81.42	22.84	8.87	right
178	Ghurdaur Nala	12MP404F36400301	81.14	22.61	81.17	22.66	8.92	left

179	Nagan Nala	12MP409R48790802	78.41	22.51	78.49	22.52	8.93	left
180	Khudrai Nala B	12CG382R43955602	80.94	21.96	80.88	21.96	9.01	left
181	Jahrkot Nala	12MP399R49384701	78.95	22.38	78.99	22.42	9.08	left
182	Jhira Nala	12MP421R48378701	77.84	23.25	77.88	23.21	9.13	right
183	Singanwari Nala	12MP394R48566201	78	21.86	77.93	21.89	9.16	left
184	Musra Nala	12MP415R49255201	80.36	23.12	80.3	23.11	9.16	right
185	Kindri Nala A	12MP415R49296302	80.43	22.68	80.49	22.66	9.17	right
186	Jatla Nala	12CG382R43952701	80.9	21.83	80.84	21.83	9.2	left
187	Marram Nala	12MP409R48777018	78.07	22.5	78.03	22.46	9.22	left
188	Karidoh Nala	12MP399R49401702	78.92	22.59	78.98	22.63	9.26	left
189	Batai Nala	12MP404R49232901	81.41	22.68	81.46	22.71	9.28	left
190	Kala Jhora	12MP421R48444301	77.84	23.09	77.91	23.13	9.38	right
191	Lobar Nadi	12MP394R48594804	78.11	22.31	78.03	22.31	9.46	left
192	Seoni R	12MP404F60710506	81.4	22.46	81.42	22.52	9.56	left
193	Ampan Nala	12MP394R48560401	77.97	21.96	77.98	22.01	9.63	left
194	Pata Nala A	12MP394R48553601	77.7	21.92	77.76	21.96	9.68	left
195	Gondiwala Jhora	12MP421R48462001	78	23.15	78	23.1	9.78	right
196	Sukha Nala B	12MP418R49148601	78.83	23.16	78.81	23.11	9.81	right
197	Machhwai Nala C	12MP421R48459101	78.34	22.95	78.28	22.93	9.88	right
198	Dhaprau Nala	12MP400R46287401	79.49	23.29	79.52	23.23	9.89	right
199	Marjadi N	12MP415R49307601	80.58	22.63	80.51	22.62	9.92	left
200	Nishan Nala A	12MP399R49443401	78.29	22.35	78.25	22.37	9.92	left
201	Dagasia Nala	12MP418R49126901	79.07	23.15	79.02	23.14	9.93	right
202	Ghughari Nala	12MP418R49057601	79.58	23.05	79.58	23.11	9.93	left
203	Daku N	12MP418R49097801	79.02	22.97	79.02	23.03	9.95	left
204	Nagdhar Nala	12MP428R49585101	79.68	22.57	79.68	22.65	9.96	left
205	Dandala Nala	12MP404F36400404	81.31	22.53	81.27	22.57	9.97	left

206	Gharbora N	12MP421R48476901	78.29	23.17	78.35	23.15	9.97	right
207	Sainkuria Nala	12MP409R48758001	77.99	22.75	77.96	22.8	9.99	left
208	Bagha N A	12MP421R48446201	77.94	23.09	78.01	23.08	9.99	right
209	Bija N	12MP399R49442601	78.42	22.35	78.47	22.38	10.03	left
210	Patra Nala	12MP421R48447802	77.94	23	78	23.04	10.03	right
211	Bakod Nala	12MP409R48760501	78.04	22.68	78.03	22.74	10.03	left
212	Kanchana N	12MP418R49073401	78.81	22.99	78.79	23.05	10.04	left
213	Chuna N	12MP418R49104301	78.97	22.77	78.97	22.81	10.13	left
214	Patpara N	12MP413R48871901	79.98	23.68	80	23.63	10.14	right
215	Bijakhan Nala	12MP404F60710505	81.42	22.61	81.37	22.68	10.15	left
216	Bodhi N	12MP399R49413001	79.08	22.69	79.08	22.74	10.19	left
217	Mogaliya Nala	12MP415R49253301	80.37	23	80.34	23.06	10.23	right
218	Katai Nala	12MP400R46284701	79.47	23.26	79.47	23.2	10.23	right
219	Kohani Nala	12MP400F34600201	79.6	23.3	79.57	23.25	10.24	right
220	Diydoh N	12MP394R48594902	78.22	22.29	78.16	22.33	10.26	left
221	Nakti Nadi	12MP421R48486201	78.55	23.4	78.49	23.35	10.29	right
222	Gobi Nala	12MP421R48385501	77.95	23.19	77.96	23.13	10.31	right
223	Barati	12MP390U25319501	81.76	22.69	81.7	22.75	10.35	right
224	Patpani Nala	12MP399R49367201	78.59	22.64	78.52	22.68	10.38	left
225	Hati Nala	12MP392F36750101	80.28	22.32	80.34	22.38	10.42	left
226	Kusumaili Nala	12MP427R48347901	77.83	22.92	77.85	22.88	10.44	right
227	Kukura Nala	12MP415F36430101	80.24	22.67	80.29	22.73	10.72	left
228	Marraun N	12MP399R49375201	78.63	22.44	78.56	22.44	10.75	left
229	Kasaha Nala A	12MP404F36400106	81.08	23.04	81.05	22.97	10.75	right
230	Khudrai Nala A	12MP392R49810802	80.79	21.87	80.83	21.91	10.88	left
231	Jhanda Nala	12MP428R49593402	79.57	22.83	79.65	22.85	10.91	left
232	Kukripota Nala	12MP404F36400201	81.21	22.72	81.13	22.71	10.96	left

233	Paterh N	12MP413R48869601	80.08	23.59	80.02	23.61	10.99	right
234	Gurda Nala	12MP415R49336701	80.82	22.53	80.75	22.55	11	left
235	Bagla N B	12MP418R49088301	78.81	22.79	78.75	22.85	11.02	left
236	Bhimkind N	12MP409R48777005	78.03	22.33	77.94	22.34	11.05	left
237	Dala Nala	12MP411R48996701	80.04	23.05	79.97	23.08	11.05	right
238	Sanadhana Nala	12MP418R49104702	78.93	22.65	79.02	22.68	11.24	left
239	Karanji Nala	12MP394R48562601	77.87	21.84	77.78	21.88	11.32	left
240	Matari N	12MP415R49316901	80.55	22.61	80.52	22.53	11.42	left
241	Nagdwari Nadi	12MP409U27727402	78.44	22.48	78.34	22.48	11.43	left
242	Jugiya Nala	12MP418R49067001	79.53	22.98	79.49	23.03	11.48	left
243	Sarra Nala	12MP409R48777013	78.03	22.34	78	22.41	11.49	left
244	Sukha Nala A	12MP415R49300301	80.59	22.84	80.52	22.87	11.64	left
245	Hiragarhi Nala	12MP428R49624501	80.19	22.71	80.16	22.77	11.65	left
246	Bhumkadhana N	12MP394R48602501	77.77	22.3	77.86	22.28	11.68	left
247	Turar Nala	12MP404R49243801	81.63	22.58	81.59	22.64	11.74	left
248	Katta N	12MP399R49444002	78.37	22.28	78.44	22.31	11.8	left
249	Kopedonda Nala	12MP415R49364601	80.29	22.39	80.36	22.4	11.81	left
250	Ruddi Nala	12MP390R50228201	81.64	22.83	81.6	22.78	11.85	right
251	Amdoh Nadi	12MP421R48379201	77.83	23.2	77.9	23.18	11.91	right
252	Bhardakkunda Nala	12MP409R48777019	78.15	22.5	78.1	22.57	12.27	left
253	Pilia N	12MP427R48351701	78.01	22.86	77.93	22.85	12.35	right
254	Nakaldaiha Nala	12MP404F60710504	81.44	22.6	81.36	22.62	12.42	left
255	Khuja Nala	12MP411R48941201	79.84	23.36	79.78	23.42	12.56	right
256	Bairsa Nala	12MP399R49405901	78.95	22.49	79	22.54	12.64	left
257	Phen River	12CG382R43935001	81.07	22.15	81.05	22.24	12.78	left
258	Shakraha N	12MP415R49300501	80.57	22.83	80.5	22.76	12.84	left

259	Machherayi Nala	12MP418R49081301	78.55	22.98	78.45	22.99	12.89	left
260	Khurji N	12MP411R48996901	80.08	23.08	79.98	23.1	12.96	right
261	Kendu Nala	12MP390R50215301	81.42	22.91	81.35	22.85	12.96	right
262	Madroti Nala	12MP411R48998401	80.13	23.12	80.04	23.13	12.97	right
263	Lutiya Nala	12MP390R50221201	81.6	22.83	81.56	22.76	12.99	right
264	Bagbura Nala	12MP415R49310201	80.76	22.75	80.78	22.66	13.03	left
265	Kaswani Nala	12MP390R50213701	81.51	22.87	81.43	22.84	13.1	right
266	Jamuniya Nala	12CG382R43953302	80.94	21.9	80.95	21.96	13.13	left
267	Matiyari Nala	12MP404F60710502	81.43	22.63	81.36	22.7	13.14	left
268	Bori N	12MP409R48791201	78.38	22.42	78.29	22.45	13.14	left
269	Bakal N	12MP415R49316801	80.75	22.75	80.71	22.67	13.16	left
270	Tarha N	12MP418R49140401	79.18	22.82	79.14	22.9	13.16	left
271	Imarati Nala A	12MP428F36590103	79.74	22.89	79.65	22.88	13.26	left
272	Khudrahi Nala	12MP392R49810801	80.77	21.85	80.84	21.86	13.31	left
273	Nandora Nala	12MP421R48384901	77.92	23.26	77.96	23.18	13.32	right
274	Borada Nala	12MP415R49350004	81.07	22.32	81.07	22.4	13.33	left
275	Mohta Nala	12MP394R48555701	77.83	21.94	77.79	21.99	13.37	left
276	Machldhar Nala	12MP409F36180104	78.3	22.51	78.26	22.57	13.46	left
277	Rajadhar Nala	12MP421R48481302	78.39	23.36	78.42	23.28	13.49	right
278	Kethki N	12MP418R49140501	79.15	22.8	79.13	22.88	13.51	left
279	Kanai Nala	12MP404F36400103	81.05	23.16	80.99	23.09	13.54	right
280	Ganjakunwar Nala	12MP409R48790804	78.38	22.49	78.4	22.58	13.58	left
281	Matoria Nala	12MP411R48942401	79.78	23.35	79.76	23.41	13.66	right
282	Silpati N	12MP399R49443802	78.3	22.27	78.23	22.34	13.82	left
283	Ghora Nala	12MP425R46136101	78.87	23.24	78.89	23.16	13.87	right
284	Barnai Nala	12MP404F60710101	81.59	22.69	81.54	22.74	13.87	left
285	Chakrar Nadi	12MP404R49242101	81.42	22.53	81.39	22.61	13.9	left

286	Hard N	12MP399R49382801	78.85	22.38	78.94	22.41	13.92	left
287	Burburhi Nala	12MP415R49347001	80.58	22.33	80.47	22.32	13.94	left
288	Magardha N	12MP421R48389401	78.07	23.24	78.02	23.17	13.98	right
289	Kukarsuta Nala	12MP421U25312501	78.46	23.32	78.44	23.24	13.98	right
290	Bagh Nala	12CG382R43955601	80.92	21.97	80.83	21.96	14.07	left
291	Khahra N	12MP409F36130103	77.77	22.5	77.85	22.48	14.1	left
292	Ghoghara Nala A	12MP425R46138001	78.89	23.35	78.94	23.26	14.12	right
293	Gadheri Nadi	12MP428R49616101	79.88	22.62	79.87	22.71	14.17	left
294	Bidri N	12MP415F36410102	80.21	23.03	80.14	23.09	14.22	right
295	Tharakna Nala	12MP399R49419201	79.26	22.6	79.2	22.66	14.23	left
296	Potiya Nala	12MP427R48347201	77.79	22.91	77.78	22.82	14.31	right
297	Mimkur Nala	12MP392F36740102	80.5	22.01	80.56	22.06	14.37	left
298	Madhera Nala	12MP400F34600101	79.64	23.36	79.69	23.33	14.47	right
299	Amadob Nala	12MP404R49242301	81.38	22.54	81.35	22.63	14.61	left
300	Bandhan Nadi	12MP421R48447801	77.95	22.98	78	23.04	14.62	right
301	Dulha Nadi	12MP415R49349101	80.9	22.38	80.81	22.42	14.64	left
302	Pandajhir Nadi	12MP418R49126501	79.02	23.14	78.93	23.12	14.72	right
303	Matoria N	12MP411R48953401	79.75	23.29	79.77	23.36	14.77	right
304	Bella Nala	12MP409F36170101	78.04	22.62	77.95	22.64	14.79	left
305	Nishan Nala B	12MP394R48595301	78.23	22.23	78.13	22.17	14.84	left
306	Gajna N	12MP411R48989401	79.78	22.99	79.88	22.98	14.85	left
307	Gangdor N	12MP418R49104401	78.99	22.76	78.95	22.83	14.94	left
308	Bitiyadhar Nala	12MP415R49297401	80.23	22.65	80.29	22.73	14.98	left
309	Karnai Nala	12MP404F60710301	81.37	22.74	81.43	22.83	15.13	left
310	Patpara Nala B	12MP415R49360401	80.3	22.43	80.38	22.48	15.16	left
311	Chikla Nala	12MP409R48796101	78.57	22.87	78.52	22.95	15.17	left
312	Tilberi N	12MP409R48752701	77.88	22.78	77.79	22.83	15.29	left

313	Banki Nala	12MP399R49368501	78.58	22.56	78.5	22.59	15.3	left
314	Lendi Nala	12MP394R48564301	77.93	21.8	77.85	21.88	15.34	left
315	Mangraha N	12MP411R48949101	79.84	23.22	79.87	23.29	15.35	right
316	Gabdi Nala	12CG759R44006101	80.86	21.74	80.84	21.82	15.4	left
317	Chachar Nala	12MP404R49179901	80.85	22.93	80.89	23.01	15.43	left
318	Datla Nala C	12MP415F36450202	80.88	22.47	80.8	22.45	15.44	left
319	Bijora Nala	12MP390R50220401	81.53	22.86	81.43	22.83	15.52	right
320	Machhwai N A	12MP418R49072501	78.9	22.97	78.86	23.05	15.53	left
321	Aunrghaghra Nala	12MP392F36740701	80.9	22.29	80.82	22.3	15.56	left
322	Kachnari Nala	12MP404R49212801	81.1	22.73	81.04	22.63	15.59	left
323	Kurumunda Nala	12MP428R49603901	79.51	22.55	79.55	22.66	15.69	left
324	Surwahi Nadi	12MP415R49347009	80.7	22.28	80.61	22.34	15.7	left
325	Mahodar Nala	12MP415F36410201	80.38	22.82	80.28	22.79	15.79	right
326	Fundna Nala	12MP409R48765201	78.1	22.7	78.1	22.79	15.8	left
327	Satdhara N	12MP421R48444302	77.83	23.08	77.92	23.11	15.88	right
328	Jhmru N	12MP399R49376701	78.56	22.31	78.51	22.4	15.89	left
329	Panaha Nala	12MP418R49110701	79.29	23.01	79.21	23.04	16	left
330	Bodaljhora Nala	12MP399R49405801	78.96	22.5	79.05	22.57	16.12	left
331	Ghagra Nala	12MP418R49063601	79.48	22.86	79.52	22.94	16.17	left
332	Dhamna Nala A	12MP404F36400406	81.26	22.49	81.18	22.56	16.29	left
333	Silatiya Nala	12MP421R48384801	77.95	23.29	77.98	23.19	16.36	right
334	Denwa River	12MP409U27727401	78.4	22.45	78.46	22.38	16.48	left
335	Maru Nadi	12MP409R48760801	78.07	22.65	78.08	22.73	16.54	left
336	Kotipati N	12MP394R48603501	77.83	22.32	77.92	22.39	16.56	left
337	Suaria Nala	12MP409R48777015	78.13	22.48	78.05	22.56	16.61	left
338	Sukha Nadi	12MP409F36170302	78.25	22.63	78.2	22.69	16.63	left
339	Bhimori Nala	12MP415R49349901	81.08	22.25	81	22.31	16.72	left

340	Puranapani Nala	12MP421R48481301	78.37	23.35	78.42	23.27	16.72	right
341	Banjari Nala	12MP392F36740201	80.64	22.01	80.7	22.08	16.75	left
342	Jejam Nala	12MP415R49347002	80.73	22.32	80.8	22.4	16.93	left
343	Nadiya N	12MP415R49281702	80.26	22.59	80.35	22.55	16.98	left
344	Hinauta N	12MP428F36590101	79.74	22.9	79.85	22.95	17.06	left
345	Kerapati N	12MP399R49443501	78.31	22.36	78.23	22.42	17.15	left
346	Sayanashi Nala	12MP411R49034501	80.3	23.25	80.28	23.36	17.28	right
347	Renga N	12MP404R49179701	80.79	22.94	80.7	23	17.29	left
348	Kelori Nadi	12MP421R48463501	78.14	23.11	78.15	23.03	17.3	right
349	Sukhmer N	12MP404F36400203	81.06	22.83	80.94	22.86	17.3	left
350	Bhadbhada N	12MP399R49387601	79.01	22.37	79.05	22.45	17.3	left
351	Bagher nala	12MP418R49057501	79.56	23.04	79.47	23.11	17.36	left
352	Dev Nala A	12MP404F36400501	81.07	22.72	81.03	22.62	17.49	left
353	Tirri Nala	12MP415R49281701	80.24	22.58	80.32	22.66	17.49	left
354	Kuteli Nala	12MP404F60710405	81.56	22.6	81.46	22.65	17.56	left
355	Baghora N	12MP428R49630401	79.97	22.64	80	22.74	17.68	left
356	Anari N	12MP415F36440101	80.57	22.65	80.57	22.74	17.74	left
357	Tethi Nala	12MP404R49193101	81	22.97	80.9	23	17.75	right
358	Kanchan Nala	12MP411R48975501	79.68	23.01	79.67	23.09	17.75	left
359	Darwaza N	12MP394R48581101	77.9	22.03	77.98	22.1	17.88	left
360	Ud N	12MP421R48501901	78.52	23.16	78.5	23.04	17.98	right
361	Patparaha Nala	12MP411F36330101	80.21	23.28	80.29	23.36	18.06	right
362	Bhaibahin Nala	12MP392F36740602	80.95	22.22	80.94	22.34	18.09	left
363	Bhanga Nala	12MP418R49086101	78.67	22.81	78.62	22.92	18.18	left
364	Burburi Nala	12MP392F36750201	80.4	22.26	80.42	22.35	18.22	left
365	Bharanga Nadi	12MP394R48594901	78.25	22.27	78.11	22.25	18.41	left
366	Gheta N	12MP399R49414101	79.22	22.74	79.1	22.76	18.55	left

367	Kivari Nala	12MP418R49105101	78.74	22.7	78.73	22.8	18.6	left
368	Salidhana N	12MP394R48596101	77.94	22.04	78.01	22.14	18.7	left
369	Uldana Nala A	12MP411U25099502	79.98	23.2	79.9	23.25	18.74	right
370	Renga Nala	12MP421R48494901	78.64	23.19	78.61	23.08	18.77	right
371	Baghdhara Nala	12MP415R49350003	81.1	22.33	81.05	22.44	18.82	left
372	Paraswara Nala	12MP399R49372801	78.79	22.49	78.73	22.56	18.84	left
373	Hargarhi Nala	12MP415R49252101	80.47	22.98	80.35	22.95	18.86	right
374	Patwara Nadi	12MP428R49589601	79.73	22.62	79.82	22.7	18.89	left
375	Mundawani N	12MP394R48558302	78.09	21.98	78.01	22.05	18.91	left
376	Ghughara Nala	12MP411R48982801	79.77	23.04	79.66	23.08	18.99	left
377	Sunha Nala	12MP415R49312501	80.9	22.68	80.79	22.66	19.02	left
378	Surpan N B	12MP415R49325701	80.56	22.47	80.46	22.51	19.09	left
379	Devsara Nala	12MP404F60710503	81.45	22.51	81.51	22.57	19.22	left
380	Kheni Nala	12MP392F36740401	80.83	22.15	80.8	22.26	19.25	left
381	Dhubghat Nala	12MP399R49412301	79.01	22.57	79.04	22.66	19.25	left
382	Bholki N	12MP399R49375502	78.69	22.38	78.72	22.49	19.34	left
383	Koha Nala	12MP411R48988802	79.78	23.03	79.93	23.06	19.37	left
384	Dudhi Nadi	12MP394R48651701	78.28	22.06	78.24	22.12	19.4	left
385	Chhipani Nala	12MP404F36400403	81.29	22.52	81.2	22.58	19.41	left
386	Banari N	12MP415R49260901	80.56	23.05	80.58	22.98	19.43	right
387	Rora N	12MP404F36400105	81.12	23.07	81.1	22.95	19.55	right
388	Ghutku Nala	12MP404R49209701	80.94	22.67	80.83	22.62	19.57	left
389	Kotar N	12MP404R49185401	80.97	23.21	80.89	23.17	19.59	right
390	Patpara Nala A	12MP415F36410202	80.4	22.81	80.31	22.73	19.66	right
391	Pituwa Nala	12MP418R49122301	79.39	22.74	79.37	22.87	19.66	left
392	Bagha Nala A	12MP418R49083801	78.68	22.91	78.6	23.01	19.92	left
393	Machla Nala	12MP409R48800601	78.51	22.76	78.44	22.88	19.99	left

394	Dabki Nadi	12MP428R49582701	79.7	22.69	79.83	22.72	20	left
395	Matiar Nala	12MP415R49347004	80.64	22.41	80.6	22.52	20.19	left
396	Bhongir Nala	12MP392R49834501	80.39	22.12	80.48	22.19	20.26	left
397	Phopas Nadi	12MP394R48636301	78.13	22	78.06	22.11	20.31	left
398	Umar N	12MP428R49593401	79.55	22.81	79.52	22.95	20.41	left
399	Surpan N A	12MP415R49347006	80.71	22.22	80.62	22.31	20.54	left
400	Kukurbahra Nala	12CG382R43953301	80.94	21.87	80.83	21.9	20.72	left
401	Goridhar Nala	12MP399R49404101	78.84	22.48	78.74	22.6	20.76	left
402	Halon Nadi	12CG382R43944902	81.02	22.01	80.97	22.13	20.9	left
403	Bhai Nala	12MP392F36740601	80.99	22.2	80.94	22.33	20.97	left
404	Gehra N	12MP418R49105602	79.17	23.15	79.11	23.09	21.12	right
405	Mauri Nala	12MP413F36260102	80.49	23.46	80.36	23.49	21.24	right
406	Harpan R	12MP404F36400402	81.2	22.46	81.13	22.58	21.24	left
407	Tambiya Nadi	12MP399R49443901	78.33	22.26	78.34	22.15	21.35	left
408	Anvariya Nala	12MP418R49078001	78.74	22.95	78.65	23.02	21.36	left
409	Gahir Nala	12MP415F36450201	80.89	22.45	80.77	22.49	21.45	left
410	Kukri Nala	12MP415R49310701	80.78	22.77	80.82	22.77	21.66	left
411	Bhajipani Nala	12MP399R49373701	78.58	22.49	78.5	22.58	21.75	left
412	Dev Nala C	12MP411R48952401	79.74	23.23	79.62	23.29	21.82	right
413	Halon N	12MP392R49828901	80.73	22.18	80.79	22.31	21.87	left
414	Bharadhar Nadi	12MP399R49443801	78.3	22.27	78.27	22.15	21.87	left
415	Sukhchain Nala B	12MP421R48402301	78.32	23.31	78.38	23.21	21.96	right
416	Ghosiya Nala	12MP394R48594802	78.09	22.32	77.92	22.27	22	left
417	Tar Nala	12MP404F60710404	81.67	22.64	81.54	22.7	22.02	left
418	Bijna Nala	12MP415F36420201	80.13	22.84	80.01	22.83	22.02	right
419	Khular N	12MP415R49330101	80.71	22.38	80.75	22.51	22.12	left
420	Paryat Nadi	12MP428R49631801	79.91	22.62	79.84	22.74	22.12	left

421	Kuhadoh Nala	12MP421R48378801	77.85	23.22	77.96	23.11	22.14	right
422	Latiya Nala	12MP394R48595401	78.22	22.24	78.1	22.18	22.16	left
423	Khirni Nala	12MP394R48592401	78.13	22.24	77.96	22.25	22.22	left
424	Ikyawan Nala	12MP421R48390701	78.2	23.31	78.25	23.17	22.31	right
425	Ghunsi N	12MP404F36400104	81.09	23.07	80.95	23.05	22.35	right
426	Denwa Nadi	12MP394R48570701	78.05	22.02	78.01	22.15	22.36	left
427	Bargela N	12MP411R48908301	80.18	23.33	80.14	23.43	22.38	right
428	Bori Nadi	12MP399R49443301	78.34	22.33	78.26	22.44	22.45	left
429	Garbari N	12MP415R49308201	80.65	22.62	80.62	22.75	22.48	left
430	Kanhar Nala	12MP392R49834801	80.36	22.16	80.33	22.25	22.71	left
431	Sukhchain Nala A	12MP418R49098001	78.99	22.93	78.93	23.05	22.75	left
432	Gahra Nala	12MP418R49087101	78.7	22.85	78.58	22.93	22.8	left
433	Pandripani Nala	12MP390R50228202	81.62	22.84	81.51	22.77	22.8	right
434	Ghanghar N	12MP415R49347008	80.64	22.23	80.48	22.3	22.85	left
435	Katai Nadi	12CG382R43923801	81.19	22.4	81.11	22.51	22.99	left
436	Budka N	12MP421R48495101	78.64	23.2	78.47	23.19	23.09	right
437	Rakhi Nadi	12MP399R49444301	78.38	22.26	78.34	22.15	23.17	left
438	Korrer N	12MP404F36400202	81.07	22.79	81.1	22.95	23.39	left
439	Sukhi N B	12MP409R48736002	77.79	22.52	77.94	22.46	23.44	left
440	Rohiya Nala	12MP421U25096101	78.09	23.02	78.2	22.93	23.54	right
441	Mala Nala	12MP415R49347003	80.57	22.35	80.51	22.46	23.57	left
442	Sanjari Nala	12MP404F60710203	81.3	22.62	81.21	22.59	23.58	left
443	Roriya Nala	12MP418R49088001	78.79	22.86	78.7	22.97	23.63	left
444	Udar N	12MP404F36400101	80.98	23.13	80.84	23.06	23.75	right
445	Kashmiri Nadi	12MP392F36740502	80.84	22.12	80.78	22.24	23.83	left
446	Biranj Nadi	12MP425R46129001	78.79	23.37	78.91	23.27	23.89	right
447	Chip or Ghoghra N	12MP394F36030101	77.72	22.22	77.88	22.29	24.3	left

448	Moti Nala B	12MP418R49068601	79.58	22.96	79.62	23.11	24.37	left
449	Dhamni Nadi	12MP409R48802901	78.62	22.68	78.63	22.79	24.41	left
450	Periyar Nadi	12MP409F36170201	78.11	22.63	78.09	22.77	24.48	left
451	Pata Nala B	12MP421R48509101	78.7	23.18	78.8	23.09	24.85	right
452	Lorphalku N	12MP400F34590201	79.81	23.66	79.87	23.54	25.01	right
453	Dhamani Nadi	12MP418R49137101	79.04	22.88	79.05	23.02	25.1	left
454	Karthai Nadi	12MP411R48906401	80.04	23.36	79.94	23.4	25.14	right
455	Hagni N	12MP411R48909501	80.21	23.37	80.1	23.44	25.38	right
456	Ghorhra N	12MP421R48460701	78.14	23.26	78.16	23.14	25.46	right
457	Katkahri Nala	12MP413R48882401	80.36	23.54	80.23	23.5	25.61	right
458	Roha N	12MP404F36390102	80.83	22.88	80.68	22.81	25.72	left
459	Marjadi Nala	12MP404R49225201	81.27	22.72	81.31	22.88	25.82	left
460	Karmandai Nadi	12MP404F60710406	81.69	22.65	81.58	22.75	25.88	left
461	Lehanra Nala	12MP409R48784001	78.42	22.76	78.29	22.86	25.91	left
462	Bordha N	12MP394F36030103	77.76	22.26	77.82	22.41	26.01	left
463	Gurbini N	12MP415F36450101	80.59	22.56	80.63	22.73	26.02	left
464	Silpuri N	12MP413R48880301	80.33	23.6	80.22	23.49	26.02	right
465	Sukhi N A	12MP394R48608901	77.73	22.21	77.89	22.28	26.21	left
466	Ghoghra N	12MP418R49105601	79.21	23.15	79.12	23.08	26.41	right
467	Baidar Nala	12MP415R49248301	80.41	22.88	80.25	22.83	26.46	right
468	Barchha Nala	12MP399R49405001	78.84	22.47	78.86	22.63	26.51	left
469	Pathariya N B	12MP421R48501301	78.5	23.15	78.44	23	26.6	right
470	Narrai Nala	12MP415R49262301	80.07	23.06	79.96	23.06	26.64	right
471	Sanaghogra Nala	12MP399R49401701	78.93	22.58	79.01	22.67	26.78	left
472	Sukha N	12MP399R49403201	78.88	22.67	78.86	22.83	26.88	left
473	Singla N	12MP418R49091301	78.81	22.74	78.73	22.87	26.96	left
474	Chandni Nala	12MP421R48442902	77.83	22.93	77.77	22.84	27.18	right

475	Dandana Nala A	12MP404F36390103	80.85	22.91	80.69	22.91	27.31	left
476	Dharakhoh N	12MP394R48560801	77.9	21.94	78.02	22.06	27.49	left
477	Sampna N	12MP394R48638301	78.05	21.84	77.89	21.89	27.5	left
478	Bah Nal	12MP413R48869201	80.14	23.6	80.07	23.49	28	right
479	Nigga Nala	12MP415R49347007	80.69	22.3	80.6	22.37	28.1	left
480	Banjar Nala A	12MP411R48989402	79.78	22.97	79.62	23	28.51	left
481	Imarti Nala	12MP411R48988801	79.78	23.02	79.95	23.09	28.84	left
482	Jhamil N	12MP415R49246301	80.3	22.98	80.2	23.13	29.09	right
483	Mithijhiri N	12MP409F36180201	78.35	22.46	78.25	22.56	29.24	left
484	Sorma Jhori Nala	12MP415R49350002	81.02	22.35	81	22.49	29.34	left
485	Chitarewa R	12MP418F36350101	78.92	22.76	78.81	22.9	29.35	left
486	Machhwai N B	12MP421R48454201	78.29	23.05	78.21	22.9	29.41	right
487	Bhangra Nadi	12MP409R48802801	78.61	22.65	78.53	22.81	29.44	left
488	Kapur Nala	12MP399R49374301	78.64	22.48	78.73	22.59	29.52	left
489	Sailwara Nadi	12MP415F36410203	80.46	22.94	80.47	22.83	29.57	right
490	Karwar Nala	12MP404F60710402	81.53	22.62	81.46	22.77	29.79	left
491	Pongar Nala	12MP392F36740202	80.63	22.01	80.54	22.16	29.98	left
492	Jhau Nala	12MP399R49375501	78.69	22.38	78.51	22.49	30.1	left
493	Langham Nadi	12MP409R48767301	78.13	22.61	78.14	22.75	30.1	left
494	Tinsra N	12MP418R49138402	79.08	22.78	79.13	22.93	30.17	left
495	Gurur Nala	12MP392F36740101	80.48	22.03	80.48	22.21	30.23	left
496	Manai Nadi	12CG382R43924201	81.15	22.42	81.01	22.56	30.55	left
497	Suki Nala	12MP409F36180106	78.34	22.61	78.3	22.76	30.63	left
498	Machna R	12MP394R48558501	78.08	21.95	77.91	21.89	30.89	left
499	Ranwai Nadi	12MP415R49280001	80.19	23	80.08	23.13	31.02	right
500	Nimpani Nala	12MP394R48579801	77.88	22.03	77.82	22.16	31.14	left
501	Khandari R	12MP411F36320101	80.06	23.18	79.89	23.11	31.56	right

502	Jamanjhira Nala	12MP428R49589001	79.77	22.68	79.83	22.82	31.76	left
503	Rigarh Nala	12MP404F60710401	81.62	22.59	81.53	22.75	31.83	left
504	Jhamjhum Nala	12MP392R49833601	80.4	22.2	80.35	22.39	31.86	left
505	Temur N	12MP428R49589602	79.73	22.61	79.84	22.73	31.99	left
506	Titoriya Nala	12MP399R49368101	78.56	22.58	78.68	22.68	32.06	left
507	Korni Nadi	12MP409R48788901	78.45	22.62	78.4	22.79	32.14	left
508	Labhera Nala	12MP411R49039701	80.45	23.28	80.31	23.38	32.3	right
509	Tanno River	12MP392R49800801	80.6	21.91	80.57	22.1	32.37	left
510	Manwara N	12MP409R48759301	77.97	22.72	77.79	22.8	32.43	left
511	Omti Nala	12MP411U25099501	79.96	23.18	79.9	23.26	32.44	right
512	Gurda Nadi	12MP428R49584301	79.61	22.56	79.55	22.7	32.44	left
513	Chikhla N	12MP421R48463201	78.18	23.14	78.21	22.99	32.46	right
514	Koti Nadi	12MP394R48594801	78.13	22.33	77.94	22.47	32.46	left
515	Barne N	12MP411F36330102	80.19	23.29	80.12	23.44	32.49	right
516	Madni Nala	12MP425R46137201	78.94	23.31	78.9	23.12	32.67	right
517	Kobhi Nala	12MP413R48895001	80.38	23.45	80.19	23.48	33.03	right
518	Bankur Nala	12MP409R48760601	78.02	22.65	77.95	22.82	33.57	left
519	Kukra Nala	12MP415F36440201	80.99	22.63	80.83	22.75	33.81	left
520	Lilari Nadi	12CG382R43924401	81.13	22.35	81	22.51	33.83	left
521	Pati Nala	12MP392F36740501	80.91	22.11	80.79	22.28	34.02	left
522	Kudnl Nala	12MP399R49405701	78.96	22.47	79.06	22.62	34.47	left
523	Boir Nala	12MP404F36400401	81.31	22.57	81.32	22.8	34.51	left
524	Chamarsil N	12MP421R48389601	78.09	23.27	77.97	23.11	34.63	right
525	Kopikasa Nala	12MP421R48398101	78.31	23.35	78.41	23.17	34.64	right
526	Sapan N	12MP399R49403202	78.89	22.66	78.92	22.84	34.67	left
527	Begam Nadi	12MP421R48495401	78.44	23.35	78.4	23.14	35.12	right
528	Malni Nadi A	12MP394R48593501	78.12	22.34	77.96	22.45	35.55	left

529	Naharla Nadi	12MP421R48486202	78.56	23.39	78.6	23.23	35.78	right
530	Gonda Nala	12MP392F36740301	80.72	22.24	80.8	22.44	36.45	left
531	Kanari N	12MP411R48936501	80.12	23.56	79.99	23.49	36.49	right
532	Kanai N	12MP404F36400102	81.08	23.09	80.86	23.06	36.55	right
533	Teriya Nala	12MP428R49582601	79.69	22.71	79.84	22.88	36.72	left
534	Sawaniya N	12MP394R48559801	78.05	21.95	78.01	22.16	37.25	left
535	Ikyawan N	12MP421R48455401	78.36	23.08	78.22	22.89	37.3	right
536	Sonbhadra Nadi	12MP399R49444001	78.37	22.27	78.19	22.42	37.34	left
537	Lendia N	12MP418R49099701	78.95	22.9	78.8	23.05	37.65	left
538	Kokchi Nala	12MP415R49323901	80.51	22.38	80.42	22.51	37.79	left
539	Kukra N	12MP404R49176901	80.7	22.96	80.54	22.91	37.86	left
540	Tendoni Nadi	12MP421R48489501	78.69	23.35	78.52	23.23	38.01	right
541	Suk Tawa R	12MP409R48727402	77.67	22.34	77.92	22.42	38.31	left
542	Heran Nadi	12MP411R49037401	80.38	23.21	80.28	23.41	38.54	right
543	Jamner Nadi A	12MP421R48442901	77.82	22.97	78.04	23.06	38.54	right
544	Kair Nadi	12MP413R48871501	80	23.63	79.83	23.45	38.7	right
545	Kalhar N	12MP415R49255701	80.41	23.1	80.26	23.15	38.81	right
546	Parata N	12MP409R48777001	78.29	22.46	78.17	22.55	39.18	left
547	Gahedua N	12MP418R49138401	79.1	22.79	79.12	22.99	39.24	left
548	Newari Nala	12MP415F36420101	80.19	22.91	79.93	22.94	39.25	right
549	Machhrar N	12MP404F60710601	81.27	22.7	81.2	22.92	39.75	left
550	Silgi N	12MP404R49185201	80.93	23.28	80.81	23.14	39.88	right
551	Dobi Nadi	12MP421R48465601	78.05	22.98	77.85	22.87	40.08	right
552	Ol Nadi A	12MP409R48803101	78.58	22.71	78.47	22.96	41.21	left
553	Umar Nala	12MP418R49091701	78.79	22.67	78.68	22.88	41.21	left
554	Sontiragh Nadi	12MP404F60710403	81.62	22.57	81.46	22.69	42.13	left
555	Datla Nala A	12MP411R49041101	80.49	23.38	80.26	23.46	42.33	right

556	Sula N	12MP399R49449301	78.5	22.29	78.56	22.43	42.33	left
557	Kanha Nala	12MP415R49347005	80.66	22.22	80.53	22.44	42.51	left
558	Hingna Nala	12MP415R49246701	80.23	22.99	80.01	22.94	42.52	right
559	Barurewa N B	12MP399R49414102	79.22	22.75	79.14	22.9	42.57	left
560	Singri N	12MP418F36360101	79.33	22.85	79.12	22.97	43.59	left
561	Rain Nadi	12MP409F36170303	78.28	22.62	78.13	22.81	43.74	left
562	Gajanda Nadi	12MP421R48397601	78.28	23.34	78.41	23.14	44.35	right
563	Muradobra Nala	12CG382R43955401	81	22.11	80.79	22.33	44.59	left
564	Chandighoghra Nala A	12MP399R49401801	78.91	22.62	78.84	22.83	45.4	left
565	Dhawaipani	12MP415R49350401	81.06	22.25	80.97	22.46	45.5	left
566	Chichila N	12MP404R49183301	80.82	22.86	80.67	22.81	46.1	left
567	Soner Nadi	12MP428R49576201	79.59	22.76	79.59	23.02	49.21	left
568	Sinhor Nadi	12MP425R46127101	78.65	23.37	78.79	23.12	50.82	right
569	Datla N	12MP415R49333601	80.68	22.5	80.39	22.53	51.02	left
570	Bhagorna Nala	12MP428R49624401	80.19	22.7	79.99	22.83	51.44	left
571	Sukar N	12MP421R48390501	78.16	23.31	78.35	23.02	54.11	right
572	Palkamli N A	12MP418R49128601	79.08	23.08	78.75	23.06	55.17	right
573	Balal Nadi	12MP415R49253201	80.42	23	80.21	22.79	55.24	right
574	Chanta N	12MP428R49587201	79.72	22.72	79.9	22.99	56.42	left
575	Datla Nala B	12MP418R49069901	79.6	22.91	79.29	23.06	56.71	left
576	Palakmati Nadi A	12MP409F36170301	78.26	22.6	78.13	22.8	56.91	left
577	Khand N	12MP421F35970101	78.64	23.17	78.43	22.97	56.92	right
578	Ghorhri Nala	12MP409F36180101	78.37	22.61	78.27	22.87	57.32	left
579	Anjan River	12MP399R49367001	78.54	22.62	78.35	22.92	60.83	left
580	Barna N	12MP421R48460201	78.04	23.18	78.2	22.9	60.92	right
581	Bolda Nala	12CG382R43944901	81	21.98	80.69	22.12	62.26	left

582	Chitarewa River	12MP399R49382401	78.79	22.39	78.86	22.58	63.79	left
583	Burhner Nadi	12MP404R49242201	81.37	22.53	80.98	22.54	68.52	left
584	Sher River	12MP428R49590101	79.7	22.57	79.46	22.81	68.63	left
585	Barna Nadi	12MP421R48447401	77.81	22.94	78.05	23.06	72.57	right
586	Suhar N	12MP413R48865701	80.11	23.69	79.96	23.42	74.96	right
587	Kharmar Nadi	12MP404R49241301	81.26	22.64	80.9	22.94	75.87	left
588	Ihmana Nala	12MP418R49068501	79.58	22.98	79.09	23.02	77.25	left
589	Tendoni Nala	12MP421R48417301	78.5	23.41	78.34	23	79.14	right
590	Silgati N	12MP404R49184301	80.88	23.23	80.59	22.98	81.43	right
591	Macharewa R	12MP428R49596001	79.26	22.47	79.37	22.85	89.36	left
592	Pariat Nadi	12MP411R49036501	80.31	23.23	79.87	23.37	90.98	right
593	Gonrabal Nadi	12MP415R49350001	81.03	22.35	80.71	22.66	97.44	left
594	Gaur Nadi	12MP415R49258201	80.5	23.01	79.96	23.08	98.96	right
595	Chakora Nala	12MP394R48565801	78	21.9	77.96	22.23	100.69	left
596	Bainganga N	12MP409R48790801	78.42	22.42	77.96	22.55	101.84	left
597	Patparahi Nala	12MP415R49336401	80.84	22.5	80.52	22.72	103.3	left
598	Baghdolna N	12MP399R49407401	78.92	22.42	79.05	22.76	105.49	left
599	Kanera Nadi	12MP428R49569901	79.39	22.51	79.13	23.01	126.6	left
600	Dudhi River	12MP399R49380301	78.74	22.38	78.44	22.99	141.31	left
601	Shakkar Nadi	12MP399R49422201	79.19	22.44	78.68	23.04	165.8	left
602	Tawa River	12MP399F36510101	78.44	22.14	77.78	22.8	171.76	left
603	Hiran R	12MP413F36260103	80.46	23.49	79.35	23.11	197.41	right
604	Banjar River	12CG759R44007401	80.84	21.71	80.37	22.59	212.64	left

Table 28: Coded Stream Network Characteristics of Middle Narmada River Basin

Sl. No	River Name	River_Code	Long (Origin)	Lat (origin)	Long (Confluence)	Lat (Confluence)	Length (km)	Bank Side
1	Naharkhodri N	12MP402R47425502	76.87	22.65	76.86	22.64	2.01	right
2	Bauraniyan Khal	12MP402R47395401	76.43	22.69	76.41	22.67	2.64	right
3	Santi Khal	12MP402F65350201	76.28	22.31	76.27	22.29	2.95	right
4	Sunarwala N	12MP409R48722901	77.57	22.52	77.55	22.53	3.10	left
5	Andariya Nala	12MP405R50580403	76.18	22	76.16	22.01	3.27	left
6	Jhirna Nala	12MP409R48721401	77.53	22.58	77.56	22.59	3.47	left
7	Onria Nala A	12MP409R48728001	77.7	22.51	77.69	22.53	3.66	left
8	Bhagpura Nala	12MP405R50566701	77.02	21.87	77	21.89	3.74	left
9	Bhatariya N-B	12MP408R48691801	77.17	22.57	77.13	22.55	4.42	left
10	Odhal N B	12MP414F35450202	76	22.41	76.02	22.38	4.58	right
11	Juna Pani	12MP427R48332001	77.01	22.82	77.04	22.81	4.70	right
12	Piria Nala C	12MP409R48729502	77.74	22.55	77.72	22.58	4.83	left
13	Devghanga spring R	12MH486R52501401	73.92	21.78	73.94	21.75	4.85	left
14	Chitang Nala	12MP408R48708801	77.29	22.11	77.26	22.11	5.12	left
15	Khair Pani	12MP427R48344503	77.21	22.91	77.25	22.9	5.49	right
16	Bari Kho	12MP427R48344501	77.21	22.91	77.25	22.9	5.50	right
17	Matangi N	12MP405R50594601	76.33	22.21	76.29	22.22	5.55	left
18	Gorkhya N	12MP410R47650201	75.85	22.57	75.9	22.57	5.67	right
19	Bhimdev N	12MP409R48728801	77.74	22.53	77.71	22.56	5.67	left
20	Khankhra Kho	12MP427R48331101	77.07	22.88	77.06	22.84	5.70	right
21	Kham Kho	12MP427R48331102	77.06	22.89	77.05	22.85	5.80	right
22	Onria Nala B	12MP409R48721402	77.53	22.6	77.52	22.63	5.81	left
23	Bhalwa N	12MP414R47681901	76.03	22.06	76.05	22.11	5.85	left
24	Gayadhya Nala	12MP427R48329101	77.13	22.98	77.17	22.98	5.91	right
25	Am Nala	12MP405R50566801	77.04	21.86	77.04	21.88	5.95	left

26	Richhri Nala	12MP409R48745601	77.53	22.57	77.5	22.56	6.01	left
27	Bhomda N	12MP427R48334201	77.14	22.62	77.15	22.58	6.02	right
28	Junapani N C	12MP394R48573004	77.59	22.21	77.54	22.22	6.09	left
29	Jhirpi Nala	12MP397F37210205	76.1	21.56	76.12	21.53	6.25	left
30	Kumhar Khala	12MP397F37210202	76.21	21.47	76.17	21.49	6.29	left
31	Jamu Nala	12MP405R50566802	77.02	21.86	76.99	21.9	6.32	left
32	Khari N C	12MP405R50606903	76.26	22.26	76.2	22.26	6.32	left
33	Chor Nala	12MP409F36120101	77.45	22.28	77.47	22.32	6.34	left
34	Dev N	12MP402R47372901	76.64	22.77	76.65	22.73	6.39	right
35	Goraghat N	12MP402F35280101	76.48	22.46	76.46	22.44	6.51	right
36	Kariakund Nala	12MP414R47675301	76.15	22.29	76.13	22.26	6.79	right
37	Mejhri N	12MP405R50567902	76.79	21.69	76.8	21.74	6.94	left
38	Devjhariya Nala	12MP405R50572201	76.48	21.96	76.5	22	7.01	left
39	Saidabad Nala	12MP405R50562401	76.71	21.8	76.67	21.83	7.10	left
40	Kya Nala	12MP408R48707601	77.33	22.09	77.27	22.09	7.23	left
41	Chiyani Nala	12MP408R48707201	77.22	21.97	77.2	22.01	7.29	left
42	Semalpani Nala	12MP408R48705201	77.33	22.1	77.39	22.12	7.34	left
43	Datiya Nala	12MP414F35450301	76.17	22.4	76.21	22.36	7.38	right
44	Bhagwanpura Nala	12MP405R50585701	76.57	21.74	76.57	21.8	7.43	left
45	Barahjoshi Nala	12MP405R50567504	76.98	21.85	76.96	21.9	7.48	left
46	Dakidoh Nala	12MP394R48573001	77.61	22.14	77.63	22.18	7.52	left
47	Bori Nala	12MP405R50566402	77.07	21.9	77.06	21.95	7.67	left
48	Kodyakhal Nala	12MP408R48654301	76.87	22.2	76.82	22.16	7.71	left
49	Ghatwal N	12MP403R47572301	75.18	22.24	75.17	22.18	7.76	right
50	Mungadoha N	12MP408R48704401	77.42	22.05	77.37	22.06	7.82	left
51	Bal Nala	12MP405R50567501	76.94	21.81	76.88	21.82	7.84	left
52	Kuada Nala	12MP414R47664001	76.13	22.32	76.18	22.32	7.92	right
53	Bhutwali N	12MP402R47425501	76.9	22.67	76.89	22.61	8.06	right

54	Sosar Nadi	12MP393R47823501	75.35	22.05	75.36	22.1	8.21	left
55	Mohan Kund Nala	12MP405R50567801	76.83	21.78	76.77	21.81	8.23	left
56	Kulabura Nala	12MP405R50567505	76.95	21.83	76.88	21.82	8.24	left
57	Ledwa N	12MP405R50606902	76.27	22.26	76.23	22.22	8.25	left
58	Gaupatha Nala	12MP409F36120202	77.55	22.37	77.58	22.34	8.25	left
59	Khar Nala	12MP414R47676101	75.9	22.1	75.91	22.16	8.25	left
60	Naka Nala	12MP414R47739801	75.93	21.94	75.87	21.92	8.48	left
61	Gambhir Nala	12MP409R48721501	77.53	22.58	77.51	22.63	8.51	left
62	Masanya N	12MP408R48705301	77.33	22.12	77.35	22.17	8.55	left
63	Jhaprikhoh Nala	12MP408R48708701	77.2	21.96	77.16	22.01	8.58	left
64	Sagonian N	12MP409R48729501	77.74	22.56	77.71	22.61	8.59	left
65	Hingalori Nadi	12MP402R47420001	76.81	22.81	76.84	22.75	8.62	right
66	Malarpati N	12MP408R48704001	77.36	22.12	77.36	22.17	8.64	left
67	Datri Nala	12MP402R47374101	76.77	22.78	76.84	22.76	8.67	right
68	Khandel Nala	12MP410R47635601	76.1	22.65	76.16	22.63	8.72	right
69	Koilakundwala N	12MP402U25087001	76.54	22.55	76.51	22.5	8.79	right
70	Magaroa N	12MP410R47646901	75.69	22.43	75.75	22.41	8.84	right
71	Chamariya Nala	12MP427R48337601	77.22	22.87	77.25	22.81	8.94	right
72	Shikari Nala	12MP405R50563201	76.7	21.71	76.64	21.68	8.95	left
73	Bhatwa N	12MP414R47660701	76.08	22.44	76.12	22.4	8.99	right
74	Jamanjhiri Nala	12MP405R50606502	76.5	22.36	76.45	22.35	9.01	right
75	Ghonghsa Nala	12MP639R50527102	74.36	22.24	74.38	22.3	9.13	right
76	Dhareri N	12MP427R48359001	77.49	22.75	77.49	22.69	9.19	right
77	Dobgata Nala	12MP397F37210204	76.22	21.52	76.25	21.58	9.20	left
78	Piria Nala A	12MP409R48742201	77.65	22.66	77.59	22.69	9.25	left
79	Ramat N	12MP410R47653302	75.94	22.52	76	22.48	9.37	right
80	Koyla Khal	12MP427R48327201	77.01	22.97	77.04	22.91	9.38	right
81	Kharia Nala	12MP414R47677101	75.81	22.15	75.73	22.14	9.39	left

82	Ambapani N	12MP402F35280102	76.51	22.5	76.48	22.45	9.41	right
83	Bakriya Nala	12MP427R48270101	77.17	23.09	77.15	23.03	9.45	right
84	Gangawala Kal	12MP414R47657301	75.9	22.38	75.96	22.33	9.54	right
85	Indarvar Nala	12MP639R50538701	74.21	21.99	74.16	21.95	9.58	right
86	Soti Nala	12MP402R47429401	76.85	22.52	76.86	22.46	9.59	right
87	Ramkola Nala	12MP414R47753101	75.5	21.9	75.44	21.93	9.72	left
88	Ghurwa N	12MP414R47682402	76.02	22.02	76.1	22.04	9.73	left
89	Solmi Nadi	12MP427R48331001	77.34	22.9	77.39	22.86	9.75	right
90	Pandya N	12MP405R50581301	76.2	21.88	76.16	21.92	9.78	left
91	Sanwari Nadi	12MP405R50565302	77.02	21.94	76.99	22.01	9.83	left
92	Chomlyagular Nala	12MP397F37210208	76.08	21.56	76.09	21.51	9.88	left
93	Devghanga spring L	12MH486R52509301	73.98	21.68	73.92	21.73	9.94	left
94	Baricharhi N	12MP405R50606901	76.31	22.26	76.27	22.29	9.95	left
95	Kotmi Nala	12MP394R48573002	77.59	22.23	77.53	22.25	10.05	left
96	Sutiakhal N	12MP402R47429101	76.82	22.57	76.86	22.51	10.11	right
97	Sarwasu Nala	12MP405R50606504	76.55	22.39	76.47	22.39	10.12	right
98	Gadrapati Nadi	12MP427R48323001	76.98	22.88	76.98	22.81	10.12	right
99	Bichpuri Nala	12MP405R50565301	77.03	21.91	77.05	21.97	10.23	left
100	Garbariya Nala	12MP405R50570001	76.4	22.01	76.32	22.01	10.32	left
101	Kekariya Nala	12MP405R50603501	76.45	22.19	76.54	22.23	10.35	left
102	Memdi N	12MP410R47650301	75.88	22.54	75.95	22.57	10.36	right
103	Khirmi N	12MP403R47584401	75.52	22.25	75.52	22.18	10.39	right
104	Khari N A	12MP409F36130102	77.77	22.51	77.71	22.56	10.40	left
105	Moti Nala A	12MP405R50612201	76.28	21.67	76.37	21.67	10.49	left
106	Moral Nala	12MP410R47654201	75.81	22.4	75.79	22.46	10.57	right
107	Serua N	12MP409R48747501	77.67	22.54	77.64	22.57	10.62	left

108	Sukdyakhodara Nala	12MP397F37210203	76.03	21.55	76.06	21.5	10.83	left
109	Bhatkahu Nala	12MP394R48578201	77.57	22.28	77.51	22.31	10.83	left
110	Amba N	12MP408R48705401	77.32	22.17	77.27	22.22	10.94	left
111	Bodul N	12MP414R47683101	76.21	22.09	76.25	22.15	10.98	left
112	Karondiya Nadi	12MP414R47692901	75.62	22.25	75.59	22.18	11.05	right
113	Hajurla Nala	12MP409R48722301	77.6	22.52	77.52	22.53	11.11	left
114	Sakri N	12MP639R50525401	74.45	22.25	74.5	22.18	11.18	right
115	Jhalai Nala	12MP409R48727401	77.68	22.34	77.61	22.36	11.34	left
116	Bokariya Khal	12MP405R50580402	76.19	22	76.17	22.07	11.36	left
117	Machhwai N D	12MP409R48747502	77.68	22.56	77.69	22.64	11.37	left
118	Devjhiri Nala	12MP402R47380902	76.49	22.63	76.56	22.57	11.42	right
119	Piparepati Nadi	12MP405R50567503	76.97	21.85	76.9	21.9	11.44	left
120	Utawali N	12MP427R48331002	77.33	22.91	77.41	22.96	11.62	right
121	Wurda Nala	12MP403R47529101	75	22.34	74.92	22.28	11.65	right
122	Ghanakhal Nala	12MP405R50568101	76.7	21.61	76.62	21.65	11.74	left
123	Chunni N	12MP410R47650401	75.92	22.52	76.01	22.51	11.84	right
124	Bhukriya Nala	12MP397F37210103	76.44	21.59	76.47	21.65	11.85	left
125	Dhobhi N	12MP409R48740301	77.69	22.47	77.67	22.54	12.16	left
126	Bhatariya N-A	12MP409R48710501	77.36	22.49	77.32	22.56	12.17	left
127	Taj N	12MP409R48746901	77.62	22.55	77.57	22.6	12.22	left
128	Kaneri N	12MP405R50606503	76.52	22.4	76.44	22.37	12.40	right
129	Dakkhini Nala	12MP405R50601001	76.4	22.22	76.35	22.17	12.44	left
130	Kureburi Nala	12MP639R50522301	74.44	22.36	74.47	22.28	12.44	right
131	Jhirpaniya N	12MP639R50505301	74.65	22.41	74.68	22.38	12.49	right
132	Kharari N	12MP402R47387301	76.57	22.47	76.49	22.46	12.74	right
133	Sukhia N	12MP409R48728802	77.71	22.54	77.7	22.62	12.79	left
134	Panali Nala	12MP408R48689201	77.04	22.41	77.04	22.49	12.86	left

135	Sukha Nala	12MP394R48578701	77.48	22.15	77.41	22.13	12.95	left
136	Ghogra N	12MP394R48520901	77.59	22.01	77.67	22.04	12.96	left
137	Ladanpur Nala	12MP405R50610401	76.33	21.72	76.39	21.8	12.99	left
138	Kareli Nala	12MP405R50616202	76.09	21.64	76.01	21.66	13.01	left
139	Agraliya N	12MP639R50524001	74.5	22.33	74.52	22.25	13.05	right
140	Basaniya Nala	12MP405R50580301	76.28	21.93	76.3	22.02	13.06	left
141	Kalapani N	12MP405R50604901	76.45	22.11	76.38	22.14	13.08	left
142	Muwari Nala	12MP427R48267601	77.13	23.09	77.16	23.01	13.09	right
143	Ambakhodra N	12MP403R47555301	74.69	22.13	74.79	22.09	13.53	right
144	Behari Nala	12MP405R50606501	76.55	22.38	76.51	22.33	13.55	right
145	Kewtakhaliya Nala	12MP405R50616201	76.09	21.66	76.18	21.72	13.60	left
146	Hingori Nala	12MP402R47429301	76.81	22.53	76.81	22.44	13.62	right
147	Hisalni Nala	12MP414R47790201	76.1	21.8	76	21.79	13.72	left
148	Dudhi N	12MP405U25092301	76.38	21.86	76.49	21.9	13.99	left
149	Tukrj N	12MP639R50509601	74.61	22.4	74.55	22.33	14.06	right
150	Kalda Nala	12MP405R50583301	76.29	21.92	76.32	22	14.08	left
151	Khanya Nala	12MP639R50527101	74.38	22.25	74.48	22.2	14.13	right
152	Lachhura Nala	12MP397F37210101	76.51	21.56	76.47	21.65	14.56	left
153	Baran Nadi	12MP409R48729201	77.71	22.56	77.69	22.64	14.65	left
154	Ojhar N	12MP639R50509701	74.65	22.4	74.69	22.32	14.73	right
155	Sevri Nala	12MP414R47748001	75.99	21.92	75.92	22	14.73	left
156	Khajur Pani	12MP427R48323202	77.02	22.89	77.06	22.79	14.93	right
157	Nakheri N	12MP410R47646902	75.68	22.44	75.79	22.47	14.94	right
158	Junapani N B	12MP410R47632701	76.1	22.56	76.11	22.47	14.94	right
159	Jamardha Nala	12MP414R47792201	76.06	21.68	75.98	21.75	15.12	left
160	Sikandar Nala	12MP405R50603101	76.51	22.1	76.52	22.22	15.32	left
161	Bharanga N	12MP405R50606701	76.57	22.36	76.46	22.32	15.49	right
162	Syani Nadi B	12MP405R50566404	77.19	21.95	77.12	22.01	15.49	left

163	Raspat N	12MP414R47749401	76.08	21.94	76.1	22.04	15.61	left
164	Bedyakhal N	12MP402R47425401	76.91	22.68	76.97	22.58	15.62	right
165	Rujaniya Khal	12MP427R48339101	77.24	22.72	77.22	22.61	15.67	right
166	Amner Nadi	12MP402R47436601	76.98	22.85	76.96	22.74	15.71	right
167	Dudh Nala	12MP394R48578702	77.47	22.17	77.49	22.26	15.77	left
168	Kampel Nala	12MP410R47632801	76.05	22.62	76.16	22.57	16.01	right
169	Ghogra Nala-B	12MP408R48669902	77.1	22.09	77.05	22.19	16.12	left
170	Gularjhira N	12MP414R47658501	75.98	22.34	75.98	22.23	16.14	right
171	Jhalkundi Nadi	12MP409R48749101	77.62	22.57	77.55	22.63	16.15	left
172	Dongalpani Nala	12MP405R50600701	76.41	22.24	76.31	22.29	16.16	left
173	Pareti N	12MP402R47377801	76.77	22.62	76.78	22.52	16.17	right
174	Oria N	12MP427R48358402	77.48	22.77	77.45	22.67	16.17	right
175	Pata Khal	12MP402R47380001	76.58	22.67	76.65	22.58	16.33	right
176	Nani Nadi	12MP414R47696801	75.72	22.26	75.7	22.15	16.33	right
177	Meldi Nala	12MP403R47537601	74.82	22.47	74.82	22.37	16.36	right
178	Rupa Nadi A	12MP393R47830901	75.09	21.87	75.17	21.97	16.45	left
179	Kankaria Nala	12MP409R48725301	77.64	22.48	77.55	22.5	16.50	left
180	Unda Khal	12MP402R47379901	76.6	22.67	76.69	22.59	17.10	right
181	Kundiya Nala	12MP405R50567502	76.88	21.82	76.76	21.83	17.18	left
182	Junapani N A	12MP414R47695401	75.71	22.36	75.72	22.26	17.28	right
183	Padhe Khodra	12MP639R50519602	74.26	22.29	74.29	22.2	17.38	right
184	Amak Nala	12MP405F37160101	76.37	22.06	76.27	22.12	17.38	left
185	Rupa Nadi B	12MP414R47779101	75.77	21.68	75.83	21.78	17.45	left
186	Kushiya Khala	12MP409R48713701	77.4	22.48	77.36	22.57	17.57	left
187	Modla Kho	12MP427R48270201	77.2	23.08	77.2	22.96	17.58	right
188	Choral N	12MP410R47654701	75.76	22.36	75.79	22.47	17.62	right
189	Hindoila Nadi	12MP403R47521601	75.22	22.55	75.17	22.45	17.63	right
190	Kaldhai Nadi	12MP397F37210102	76.56	21.56	76.57	21.68	17.76	left

191	Debrya Nala	12MP393R47855001	75.04	21.59	75.16	21.66	17.84	left
192	Devda Nala	12MP403R47540801	74.86	22.43	74.8	22.34	17.86	right
193	Dhakochi Nadi	12MP405R50567904	76.8	21.7	76.77	21.81	17.91	left
194	Bhairi Nala	12MP408R48677301	77.12	22.21	77.07	22.33	17.96	left
195	Telar Nadi	12MP393R47807901	74.92	21.97	74.94	22.08	18.07	left
196	Bhaura N	12MP394R48574601	77.57	22.05	77.66	22.1	18.15	left
197	Shukli N	12MP410R47650402	75.91	22.52	76.04	22.48	18.16	right
198	Girgi Nala	12MP402R47397301	76.27	22.64	76.17	22.62	18.18	right
199	Patpari Nadi	12MP402R47399102	76.31	22.59	76.21	22.52	18.32	right
200	Phulka Nadi	12MP403R47581401	75.42	22.26	75.37	22.16	18.42	right
201	Negi Nala	12MP405F37160201	76.26	21.93	76.28	22.04	18.43	left
202	Bhurayal Nala	12MP408R48700401	77.24	22.32	77.11	22.34	18.47	left
203	Kolari Nala B	12MP408R48687801	77.02	22.42	76.89	22.39	18.61	left
204	Gomathi N	12MP414R47656301	75.87	22.3	75.82	22.18	18.77	right
205	Buti Nala	12MP403R47581801	75.46	22.26	75.51	22.16	18.77	right
206	Samdehi Nadi	12MP408R48654201	76.85	22.21	76.71	22.27	18.80	left
207	Lendhwa N	12MP402F65350101	76.37	22.47	76.44	22.37	18.90	right
208	Gaumukhi Nadi	12MP403R47470801	74.94	22.58	74.86	22.48	19.00	right
209	Kharra Nadi	12MP409R48740701	77.76	22.49	77.67	22.54	19.03	left
210	Karanj Nala	12MP397F37210206	76.08	21.56	76.21	21.57	19.07	left
211	Baira Khal	12MP402R47409501	76.24	22.56	76.21	22.43	19.12	right
212	Ghongai N	12MP408R48669901	77.1	22.08	77.07	22.15	19.13	left
213	Gunjari N	12MP427R48346201	77.72	22.85	77.71	22.77	19.35	right
214	Machhlakhal Nadi	12MP405R50569001	76.7	21.59	76.61	21.67	19.35	left
215	Longsari Nala	12MP403R47541201	74.86	22.37	74.9	22.25	19.39	right
216	Katukia Nala	12MP402F65350102	76.37	22.49	76.28	22.39	19.44	right
217	Baganjhora N	12MP409R48713301	77.41	22.5	77.34	22.56	19.44	left
218	Balam N	12MP410R47654202	75.81	22.41	75.93	22.45	19.47	right

219	Gadi Nadi	12MP414R47690001	75.66	22.3	75.63	22.17	19.57	right
220	Rohini Nadi	12MP414R47782601	75.73	21.57	75.62	21.65	19.74	left
221	Dodar Nadi	12MP393R47822401	75.31	22	75.22	22.09	19.89	left
222	Shukli Nadi	12MP410R47653301	76.03	22.52	76.11	22.46	20.06	right
223	Kadwaliya Nala	12MP414R47773901	75.55	21.53	75.69	21.55	20.08	left
224	Suklari Nadi	12MP427R48344502	77.2	22.91	77.19	22.79	20.13	right
225	Ghogra Nala-A	12MP408R48707301	77.27	22	77.23	22.11	20.25	left
226	Chandrakeshar N	12MP402R47392601	76.45	22.72	76.53	22.63	20.27	right
227	Ruparel Nala	12MP397F37210207	76.06	21.56	75.99	21.67	20.33	left
228	Bhutkota N	12MP402R47408201	76.37	22.37	76.31	22.29	20.34	right
229	Purwahi N	12MP405R50607501	76.35	22.25	76.2	22.2	20.44	left
230	Isai Nadi	12MP403R47544401	74.69	22.32	74.78	22.22	20.59	right
231	Lotyakhal N	12MP402U25087501	76.93	22.61	76.89	22.49	20.62	right
232	Kakari Nadi	12MP427R48333201	77.06	22.68	77.13	22.55	20.76	right
233	Paras N	12MP402R47399101	76.34	22.59	76.43	22.49	20.76	right
234	Satsoi Nadi	12MP414R47682601	76.1	22.04	76.07	22.15	20.82	left
235	Lakhora Nala	12MP405R50588501	76.47	21.65	76.49	21.79	20.86	left
236	Sukhni N	12MP408R48707001	77.17	22.02	77.15	22.15	20.99	left
237	Katri Nadi	12MH486R52503301	74.02	21.8	74.14	21.85	21.02	left
238	Dhavli N	12MP414R47703101	75.82	22.34	75.85	22.2	21.13	right
239	Waker Nadi	12MP405R50581501	76.15	21.87	76.16	21.99	21.16	left
240	Khat Nadi	12MH486R52520301	74.14	21.85	74.18	21.94	21.21	left
241	Sankariya N	12MP409F36130101	77.8	22.52	77.75	22.63	21.24	left
242	Katgi N	12MP414R47661301	76.12	22.4	76.22	22.32	21.29	right
243	Lamda N	12MP409R48722302	77.62	22.53	77.55	22.63	21.60	left
244	Duni Nala	12MP394R48573003	77.6	22.23	77.53	22.33	21.64	left
245	Gobri Khal	12MP414R47682403	76.01	22.02	76.07	22.15	21.80	left
246	Bokrata Nadi	12MP393R47816201	74.55	21.88	74.7	21.86	21.81	left

247	Garadi Khai	12MP402R47380101	76.56	22.63	76.69	22.57	21.91	right
248	Bagar N	12MP403R47563801	74.95	22.23	74.96	22.08	22.13	right
249	Dhoki N	12MP427R48338701	77.24	22.77	77.34	22.67	22.14	right
250	Kohri N	12MP414F35450102	75.84	22.37	75.82	22.22	22.16	right
251	Chitawa N	12MP639R50527201	74.38	22.24	74.45	22.11	22.46	right
252	Arwa Nala	12MP405R50555501	76.97	21.99	76.84	22.06	22.60	left
253	Khodra N	12MP403R47551701	74.91	22.19	74.79	22.08	22.68	right
254	Junaniyan N	12MP427R48341501	77.25	22.73	77.26	22.61	22.88	right
255	Juna Khal	12MP427R48341701	77.23	22.74	77.21	22.6	22.91	right
256	Odhal N A	12MP414F35450201	75.99	22.41	76.05	22.27	23.19	right
257	Sihar Nala	12MP408R48658201	76.92	22.13	76.72	22.14	23.55	left
258	Lungchi Nadi	12MP409F36120201	77.56	22.39	77.51	22.5	23.81	left
259	Gura Nadi	12MP639R50497401	74.52	22.51	74.48	22.39	23.89	right
260	Gangapat Nadi	12MP405R50564101	76.69	21.75	76.64	21.92	24.07	left
261	Wana N	12MP405R50607901	76.15	21.77	76.35	21.81	24.20	left
262	Purang Nadi	12MP405R50583401	76.27	21.91	76.16	21.99	24.26	left
263	Kunda Nala	12MP414R47797201	75.81	21.52	75.69	21.53	24.63	left
264	Ghorwa Nadi	12MP405R50614601	76.15	21.6	76.26	21.74	24.75	left
265	Gandharwa Nadi	12MP403R47523801	75.02	22.48	75	22.34	24.79	right
266	Baldi N	12MP405R50573101	76.34	21.9	76.54	21.91	24.97	left
267	Dabri N	12MP410R47652001	76.02	22.46	76.07	22.33	25.32	right
268	Himil Nala	12MP405R50581601	76.14	21.85	76.32	21.82	25.59	left
269	Jamner N	12MP414R47655601	75.87	22.37	75.93	22.21	25.64	right
270	Panchhi N	12MP639R50502901	74.73	22.57	74.75	22.44	25.77	right
271	Sosar N	12MP393R47803301	75	21.94	74.98	22.09	25.96	left
272	Gomti N	12MP408R48695201	77.25	22.43	77.21	22.57	26.17	left
273	Larbariya Nala	12MP408R48705501	77.46	22.14	77.37	22.28	26.22	left
274	Patara Nadi	12MP427R48266901	77.09	23.09	77.22	22.95	26.54	right

275	Dongliya Nadi	12MP403R47471401	75.07	22.57	75.15	22.44	26.54	right
276	Kandeli N	12MP409R48718601	77.47	22.35	77.51	22.51	26.65	left
277	Kuakhad Nadi	12MP393R47818201	74.7	21.81	74.81	21.92	26.68	left
278	Chital N	12MP414R47682401	76	22.01	75.96	22.15	27.08	left
279	Dedla Nala	12MP408R48677302	77.08	22.22	76.93	22.36	27.18	left
280	Amba Nadi	12MP414R47739301	75.92	22	75.71	22.05	28.10	left
281	Ruprel N	12MP397F37210201	76.08	21.45	76.16	21.54	28.12	left
282	Kauti Nadi	12MP405R50608001	76.14	21.76	75.93	21.8	28.58	left
283	Kaliyadeh Nadi	12MP421R48429401	77.54	22.9	77.63	22.75	28.66	right
284	Beni Nadi	12MP393R47818001	74.64	21.83	74.76	21.94	29.56	left
285	Kalibel Nadi	12MP427R48289301	76.64	22.81	76.71	22.68	29.67	right
286	Manjri Nadi	12MP405R50567903	76.78	21.69	76.76	21.84	29.70	left
287	Sukkar Nadi	12MP403R47519301	75	22.54	75.09	22.34	29.75	right
288	Agni River	12MP405R50559701	76.77	21.81	76.62	21.94	29.86	left
289	Kharkai N	12MP414R47680901	76.07	22.15	75.85	22.18	30.06	left
290	Rel Nadi	12MP414R47782901	75.84	21.64	75.85	21.81	30.09	left
291	Dilawari Nadi	12MP403R47482601	75.39	22.52	75.22	22.46	30.16	right
292	Bhanya Nadi	12MP414R47766902	75.72	21.73	75.69	21.91	30.58	left
293	Patal Nadi	12MP405R50555701	76.94	21.96	76.78	22.09	30.62	left
294	Maheshwari Nala	12MP410R47645201	75.62	22.36	75.6	22.17	31.01	right
295	Vamsali Nadi	12MP414R47731201	75.88	22.05	75.73	22.15	31.18	left
296	Singladev N	12MP402R47380901	76.49	22.62	76.44	22.43	31.53	right
297	Berakhal Nala	12MP402R47387501	76.56	22.42	76.62	22.24	32.37	right
298	Kajal N	12MP394R48520101	77.51	22	77.39	22.1	32.63	left
299	Piprar Nadi	12MP405R50586601	76.66	21.7	76.57	21.91	32.84	left
300	Bakur Nadi	12MP405R50580401	76.16	21.99	76.05	22.16	32.86	left
301	Barkhari Nala	12MP414R47766901	75.73	21.73	75.74	21.93	32.95	left
302	Satak Nadi	12MP414R47719501	75.49	22	75.46	22.15	32.98	left

303	Sukni N	12MP408R48695401	77.26	22.4	77.04	22.35	33.08	left
304	Mogri Nadi	12MP393R47851701	74.91	21.64	75.02	21.79	33.52	left
305	Punyawanti N	12MP409R48716401	77.42	22.37	77.29	22.57	33.60	left
306	Malan N	12MP414F35450101	75.83	22.41	75.78	22.18	33.77	right
307	Khardi Nadi	12MP409R48726701	77.58	22.38	77.51	22.52	33.95	left
308	Nahali Nadi	12MP393R47830701	75.15	21.88	75.12	22.1	34.72	left
309	Devnand Nadi	12MH486R52504201	74.01	21.75	74.14	21.85	34.77	left
310	Chondri Nadi	12MP414F35520101	75.33	21.73	75.4	21.95	34.90	left
311	Gadariya N	12MP421R48430701	77.61	22.9	77.7	22.77	34.94	right
312	Dagariya or Naheri N	12MP427R48332601	77.02	22.75	77.19	22.58	35.29	right
313	Bankur N	12MP408R48695601	77.22	22.44	77.03	22.5	35.38	left
314	Kisner Nadi	12MP427R48305301	76.83	22.87	76.96	22.68	35.59	right
315	Dohi Nadi	12MP639R50502001	74.67	22.52	74.55	22.34	35.73	right
316	Ankhar Nadi	12MP639R50528702	74.25	22.24	74.44	22.08	35.75	right
317	Mandawadi Nadi	12MP403R47507201	75.19	22.39	75.19	22.15	35.92	right
318	Lathiadoh Nala	12MP409R48736001	77.79	22.52	77.63	22.63	36.62	left
319	Temran Nala	12MP408R48699101	77.33	22.3	77.09	22.33	36.99	left
320	Abna Nadi	12MP414R47791401	76.17	21.7	76.45	21.82	37.13	left
321	Bhagner N	12MP427R48362902	77.48	22.91	77.61	22.73	37.31	right
322	Sivji Nala	12MP405R50570501	76.4	21.96	76.66	22.08	37.33	left
323	Chandni Nadi	12MP409R48725701	77.65	22.43	77.5	22.55	37.87	left
324	Jharkal River	12MP393R47846201	74.54	21.85	74.43	22.03	38.82	left
325	Hathni N	12MP414F35520201	75.4	21.71	75.42	21.97	39.32	left
326	Devghanga	12MH486R52501601	73.94	21.79	73.8	21.82	39.74	left
327	Goni Nadi	12MP402R47426401	77.01	22.74	77.03	22.5	40.02	right
328	Ghorapachhar N	12MP402R47402501	76.32	22.57	76.22	22.36	40.33	right
329	Chankeshar Nadi	12MP402R47380301	76.53	22.63	76.77	22.48	40.53	right

330	Chiri Nadi	12MP403R47575201	75.32	22.36	75.24	22.12	40.86	right
331	Lohar N	12MP410R47636001	76.17	22.68	76.21	22.42	41.60	right
332	Kolari Nala A	12MP409R48730701	77.81	22.61	77.59	22.69	41.93	left
333	Khuj Nadi	12MP403R47511301	75.35	22.38	75.34	22.14	42.01	right
334	Avar Nadi	12MP414R47748901	76.07	21.84	75.77	21.92	42.61	left
335	Timran Nadi	12MP427R48358401	77.49	22.77	77.39	22.64	43.08	right
336	Ambar Nadi	12MP427R48330901	77.28	22.93	77.34	22.66	43.23	right
337	Indra Nadi	12MP409R48727201	77.52	22.36	77.45	22.64	43.44	left
338	Kharak Nadi	12MP393F35620101	75.38	21.55	75.59	21.72	43.74	left
339	Samri Nadi	12MP405R50566403	77.18	21.93	76.93	22.06	43.84	left
340	Undri Nadi	12MP414R47782701	75.79	21.57	75.62	21.7	44.30	left
341	Kaveri Nadi	12MP405R50570301	76.41	21.99	76.21	22.2	44.31	left
342	Ruparel Nadi	12MP405R50565501	76.94	21.94	76.66	22.05	44.56	left
343	Sukar nadi	12MP639R50518302	74.33	22.41	74.52	22.23	44.56	right
344	Midkul N	12MP408R48705101	77.25	22.15	77.02	22.34	44.72	left
345	Bhabbar N	12MP427R48362901	77.47	22.86	77.37	22.61	44.90	right
346	Bagdi Nadi	12MP402R47374801	76.78	22.74	76.89	22.48	45.49	right
347	Ajnal N	12MP405R50570101	76.41	22.03	76.17	22.24	46.08	left
348	Kholar N	12MP410R47652401	75.91	22.42	75.92	22.19	46.94	right
349	Ajnal Nala	12MP427R48323201	77.01	22.89	77.19	22.65	48.49	right
350	Bham N	12MP405R50567901	76.76	21.69	76.5	21.84	48.52	left
351	Chhota Tawa River	12MP405R50575301	76.5	21.84	76.63	22.24	55.17	left
352	Borar Nadi	12MP414R47733101	75.32	21.83	75.32	22.14	56.68	left
353	Kalimachak Nadi	12MP408R48670901	77.08	22.04	76.66	22.15	57.45	left
354	Jamner Nadi B	12MP427R48322101	76.91	22.91	77	22.49	58.49	right
355	Choral R	12MP410R47654401	75.79	22.47	76.07	22.23	64.08	right
356	Bhaji Nadi	12MP394R48520601	77.54	22.03	77.47	22.31	64.25	left
357	Khari N B	12MP402R47395402	76.4	22.69	76.42	22.34	65.42	right

358	Ghorapachhar Nadi	12MP405R50566401	77.12	21.9	76.65	22.04	66.91	left
359	Kanar Nadi	12MP410R47650302	75.89	22.55	76.25	22.29	68.42	right
360	Datuni N	12MP402R47393301	76.51	22.75	76.79	22.43	68.96	right
361	Syani Nadi A	12MP408R48655201	76.93	22.22	77.23	22	71.76	left
362	Hather Nadi	12MP409R48726901	77.66	22.4	77.49	22.64	73.34	left
363	Sip Nadi	12MP427R48322501	76.96	22.93	77.18	22.58	74.38	right
364	Karam Nadi	12MP410R47646903	75.67	22.4	75.51	22.16	74.53	right
365	Wagh or Bagh River	12MP403R47466801	74.78	22.58	74.81	22.14	75.50	right
366	Uri Wagh River	12MP403R47466601	74.83	22.61	74.79	22.08	83.22	right
367	Machak Nadi	12MP408R48708401	77.33	22.04	76.76	22.32	88.51	left
368	Ajnal Nadi	12MP408R48706301	77.28	22.12	76.78	22.34	89.25	left
369	Udai Nadi	12MH486R52507601	74.01	21.7	74.29	21.94	89.82	left
370	Man Nadi	12MP403R47495101	75.39	22.5	75.21	22.11	90.89	right
371	Deb Nadi	12MP414R47781001	75.32	21.7	75.2	22.11	99.91	left
372	Kunda River	12MP414R47785001	75.78	21.43	75.72	21.96	103.57	left
373	Kolar Nadi	12MP427R48328601	77.11	22.94	77.27	22.61	106.40	right
374	Ganjal Nadi	12MP408R48707801	77.3	22	77.21	22.57	112.99	left
375	Sukta Nadi B	12MP414R47797301	75.85	21.5	76.5	21.84	115.04	left
376	Hatni River	12MP639R50491501	74.33	22.62	74.45	22.04	117.76	right
377	Beda Nadi	12MP414R47795501	75.89	21.51	75.68	22.16	121.49	left
378	Goi Nadi	12MP393F35610101	75.36	21.61	74.76	22.07	139.94	left
379	Morand Nadi	12MP394R48576501	77.6	22.01	77.31	22.4	153.29	left
380	Tawa River	12MP399F36510101	78.44	22.14	77.78	22.8	171.76	left

Table 29: Coded Stream Network Characteristics of Lower Narmada River Basin

Sl. No	River Name	River Code	Lat (Origin)	Long (origin)	Lat (Confluence)	Long (Confluence)	Length (km)	Bank Side
1	Suket Nadi	12GJ668R52025802	22.47	73.99	22.47	73.99	0.89	right
2	Surya Nadi	12GJ668R52024701	22.5	73.93	22.46	73.93	4.71	right
3	Makodi Nadi	12GJ452R52144101	21.88	73.58	21.9	73.6	5.24	left
4	Rami	12GJ668R52045001	22.09	74	22.12	73.97	5.27	right
5	Lindia Nala	12GJ442R52209201	21.79	72.98	21.79	72.94	5.29	right
6	Jharkhadi Nadi	12GJ668R52025101	22.5	73.99	22.47	73.99	5.85	right
7	Jarawa Nala	12GJ668R52031301	22.37	73.97	22.34	73.93	5.93	right
8	Aina Nadi	12GJ668R52089701	22.09	73.54	22.06	73.51	6.77	right
9	Undo Nala	12MP639R50510701	22.5	74.05	22.47	73.99	8.32	right
10	Waswa Nala	12GJ668R52027601	22.39	73.88	22.34	73.84	8.68	right
11	Shamarlyo Khadi	12GJ452R52150501	21.83	73.61	21.89	73.63	8.78	left
12	Dhamani Khadi	12GJ452R52137801	21.95	73.75	21.91	73.69	9.77	right
13	Konsa ki khadi	12GJ442R52246501	21.58	73.09	21.63	73.07	9.84	left
14	Huktu	12GJ668R52046001	22.08	73.98	22.14	73.94	10.14	right
15	Heran Nadi B	12GJ668R52025801	22.47	73.99	22.44	73.92	10.38	right
16	Bharaj Nadi A	12GJ445R51958901	22.54	73.85	22.48	73.81	10.47	right
17	Meriya	12GJ454R51881101	22.46	73.71	22.4	73.74	10.7	right
18	Karedi	12GJ442R52209001	21.82	73	21.79	72.91	12.98	right
19	Sukti Nadi	12MP639R50533101	22.22	74.24	22.17	74.18	13.52	right
20	Dhamni Nala	12MP639R50530401	22.25	74.09	22.19	74.03	13.53	right
21	Dhamao Khadi	12GJ452R52164001	21.58	73.61	21.68	73.56	13.66	left
22	Asan Nala	12GJ461R52123901	21.95	73.33	21.93	73.26	13.66	right
23	Bharoj Nala	12MP639R50511101	22.55	74.07	22.47	73.99	16.04	right
24	Bogla Nadi	12MH486R52508501	21.62	73.79	21.67	73.73	16.07	left

25	Veru Nala	12GJ461R52101901	22.02	73.24	21.93	73.16	16.34	right
26	Damni	12GJ452R52139601	21.91	73.55	21.92	73.45	16.64	left
27	Kaludi	12GJ452R52156201	21.74	73.66	21.74	73.56	17.01	left
28	Nandi Khadi	12GJ452R52148701	21.83	73.41	21.9	73.34	18.27	left
29	Nakda Nadi	12MP639R50519601	22.3	74.27	22.4	74.2	18.55	right
30	Ratanpurni	12GJ442R52226301	21.69	73.25	21.77	73.16	19.28	left
31	Chandrai Khadi	12GJ452R52148101	21.85	73.35	21.84	73.24	19.32	left
32	Suki Nadi	12GJ668R52007701	22.41	73.76	22.27	73.74	21.23	right
33	Sukta Nadi A	12MP639R50518301	22.39	74.33	22.41	74.19	21.64	right
34	Vaswa Nadi	12GJ445R51958301	22.56	74	22.44	73.89	22.03	right
35	Dhudhwal Nala	12MP639R50532101	22.13	74.18	22.19	74.03	23.02	right
36	Hakran	12GJ442R52224701	21.71	73.28	21.76	73.17	23.14	left
37	Sukli	12GJ452R52146001	21.91	73.83	21.89	73.67	23.19	right
38	Pogvi Nala	12MP639R50528701	22.27	74.24	22.2	74.09	25	right
39	Mathwad nala	12MP639R50539001	22.01	74.24	22.08	74.08	26.49	right
40	Bharda Nadi	12GJ668R52021201	22.16	73.86	22.18	73.71	26.74	right
41	Maniyan Nadi	12GJ668R52080001	22.23	73.75	22.17	73.65	29.54	right
42	Amala Khadi	12GJ442R52237301	21.57	73.01	21.64	72.84	29.76	left
43	Mohan Nadi	12GJ459R52392801	21.41	73.55	21.6	73.47	30.91	left
44	Kaveri	12GJ442R52230001	21.67	73.28	21.72	73.11	32.26	left
45	Bharaj Nadi B	12GJ668R52004401	22.47	73.74	22.32	73.82	37.37	right
46	Ani Nadi	12MP639R50511001	22.52	74.09	22.34	73.92	42.15	right
47	Kara Nadi	12MP639R50541101	22.03	74.29	22.15	73.98	43.95	right
48	Men	12GJ668R52064601	22	73.95	21.95	73.59	52.06	right
49	Madhumati Nadi	12GJ442R52222101	21.74	73.4	21.75	73.14	53.42	left
50	Aswan Nadi	12GJ668R52052201	22.1	73.89	21.97	73.55	54.03	right
51	Uchh	12GJ668R52018301	22.21	73.94	22.17	73.56	57.97	right

52	Amravati Nadi	12GJ442R52227501	21.69	73.4	21.71	73.04	73.37	left
53	Tarav	12GJ452R52159101	21.67	73.85	21.78	73.53	73.97	left
54	Bhukhi River	12GJ461R52122801	21.97	73.24	21.67	72.74	80.81	right
55	Karjan	12GJ459R52391101	21.46	73.6	21.93	73.44	89.02	left
56	Heran Nadi A	12MP639R50533801	22.17	74.25	22.06	73.49	101.53	right
57	Orsang River	12MP639R50493501	22.53	74.29	21.98	73.46	155.26	right

Table 30: Comparative Statistics of Named Tributaries across Narmada Sub-basins and Entire Basin

Sub-basin	Bank	Count	Avg. Length (km)	Longest Stream	Longest Length (km)	Shortest Stream	Shortest Length (km)
Lower Narmada (LN)	Left	18	30.55	Karjan	89.02	Makodi Nadi	5.24
	Right	39	26.97	Orsang River	155.26	Suket Nadi	0.89
Middle Narmada (MN)	Left	218	24.94	Tawa River	171.76	Sunarwala N	3.10
	Right	162	23.24	Hatni River	117.76	Naharkhodri N	2.01
Upper Narmada (UN)	Left	413	20.68	Banjar River	212.64	Kanera N	0.98
	Right	191	20.25	Hiran R	197.41	Kutri R	0.87
Entire Basin (LN+MN+UN)	Left	649	22.38	Banjar River	212.64	Kanera N	0.98
	Right	392	22.16	Hiran R	197.41	Kutri R	0.87

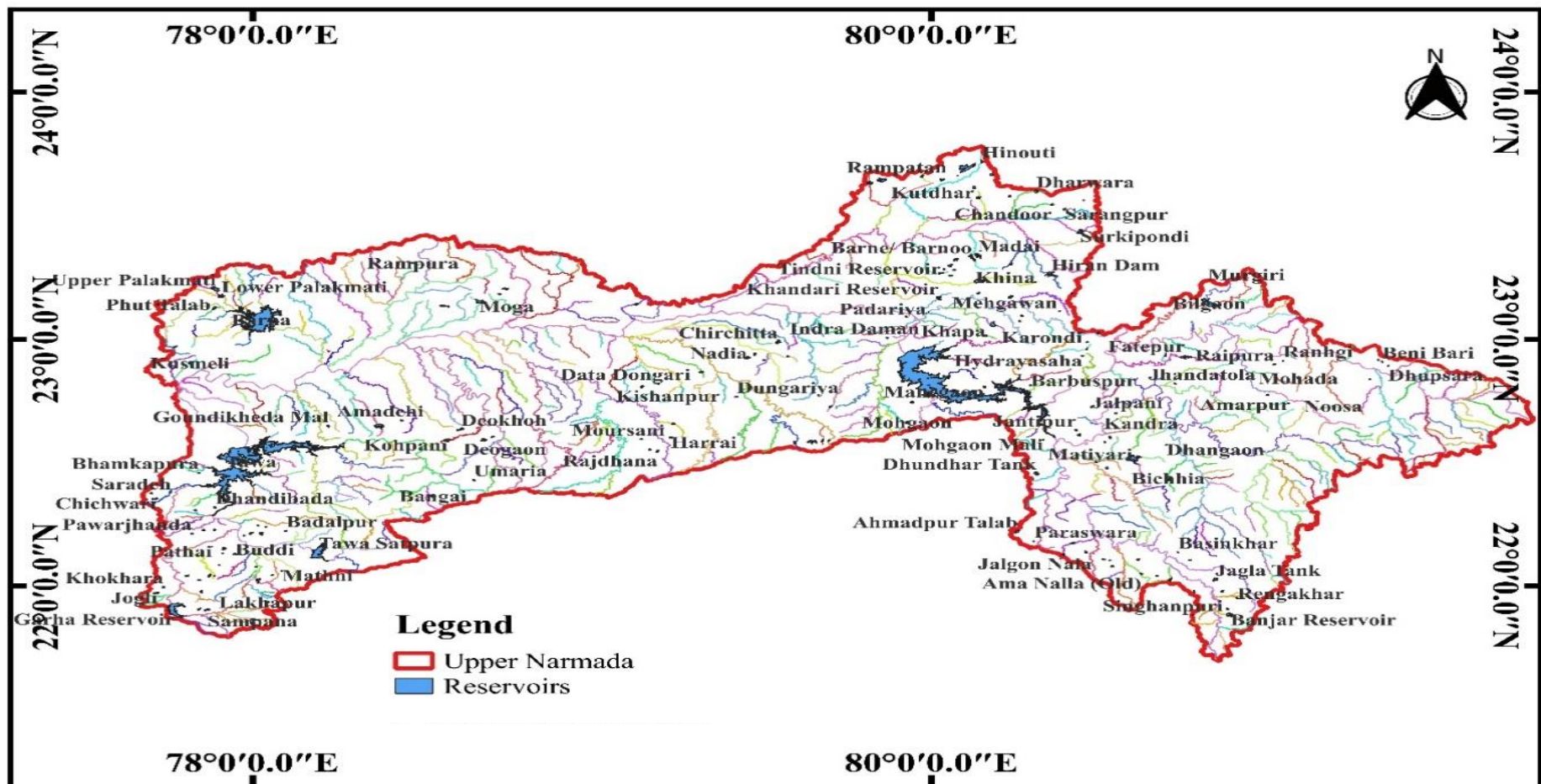


Figure 17: Water resources structures located within the Upper Narmada River Basin

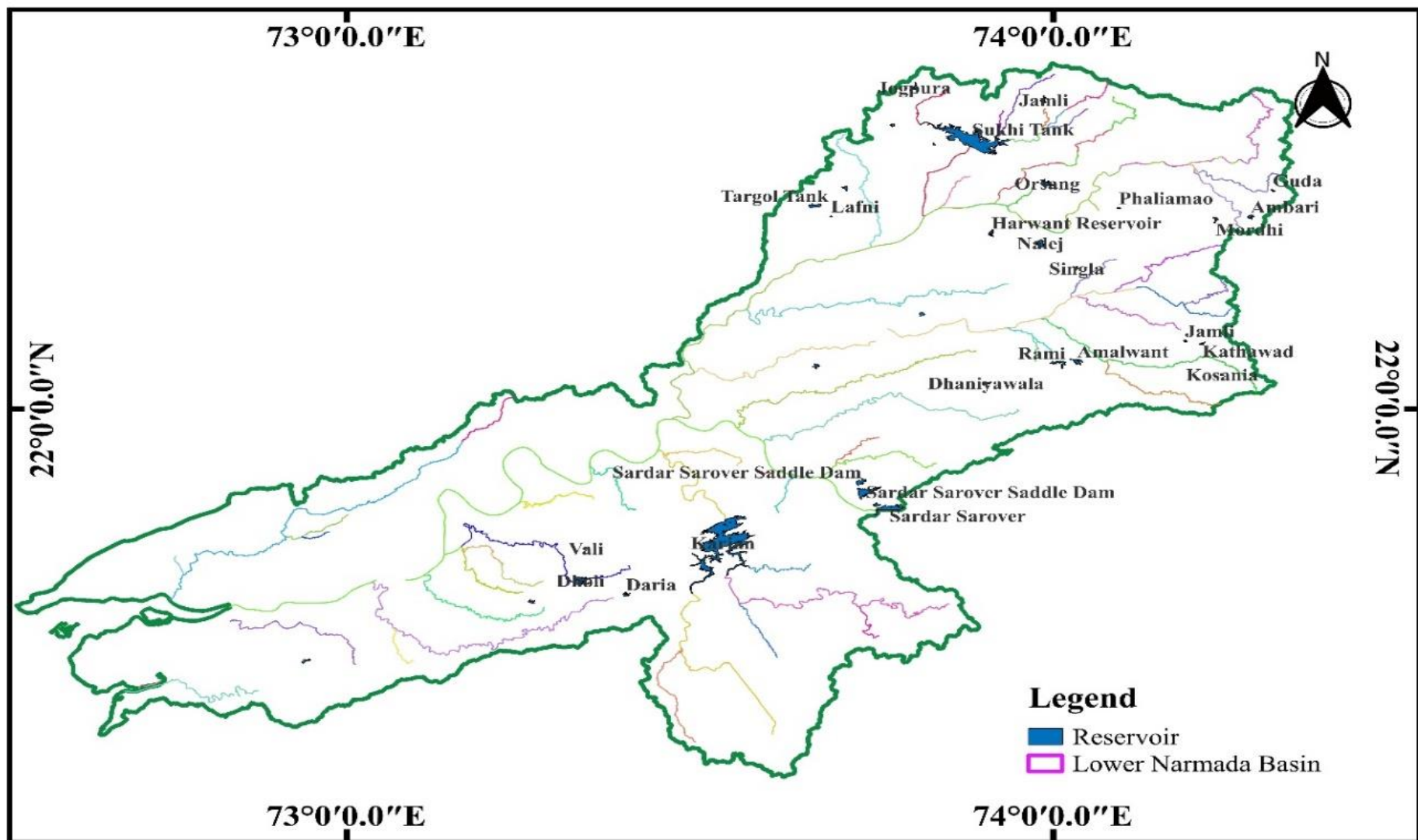
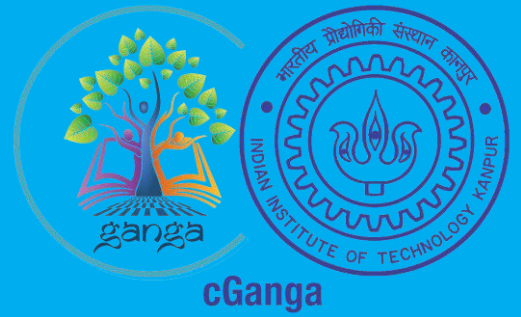


Figure 19: Water resources structures located within the Lower Narmada River Basin

Table 31: Overall Stream Statistics across Sub-basins

Sub-basin	Total Streams	Avg. Length (km)	Total Named Stream Network Coverage (km)	Longest Stream	Longest Length (km)	Shortest Stream	Shortest Length (km)
Lower Narmada (LN)	57	28.10	1752.93	Orsang River	155.26	Suket Nadi	0.89
Middle Narmada (MN)	380	24.22	10578.45	Tawa River	171.76	Naharkhodri N	2.01
Upper Narmada (UN)	604	20.54	13782.62	Banjar River	212.64	Kutri R	0.87
Entire Basin	1041	22.30	26114.50	Banjar River	212.64	Kutri R	0.87



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