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**GOVERNMENT OF INDIA
MINISTRY OF WATER RESOURCES
CENTRAL GROUND WATER BOARD**

**GROUND WATER YEAR BOOK
OF
CHHATTISGARH
2014 - 15**

**NORTH CENTRAL CHHATTISGARH REGION
RAIPUR
September 2015**

FOREWORD

Central Ground Water Board, North Central Chhattisgarh Region, Raipur monitors the water levels in the State four times a year through a network of 1088 number of observation wells(both dug wells and piezometers). Water quality is also assessed once in a year. The generated data from these observation wells are compiled, analyzed and presented in the form of reports from time to time and circulated to various Central and State Government Departments. The present report embodies data and information collected during monitoring in the year 2014-15.

The report has been compiled and prepared by Smt Mausumi Sahoo, Scientist 'B' under the supervision of Shri M M Sonkusare, Scientist 'C' under the guidance of Shri C. Paul Prabhakar ,Regional Director. I appreciate the efforts put by the officers in bringing out this report. The water level data and sample collection was done by the officers of CGWB, NCCR Raipur. I am sure this report will be of immense use to all the stakeholders of groundwater in the State.

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CGWB, NCCR, Raipur

CONTENTS

Foreword	Page Nos
1. INTRODUCTION	1-2
2. GEOMORPHOLOGY	3-5
2.1 Physiography	3
2.2 Drainage	4
3. CLIMATE AND RAIN FALL	6-7
3.1 Rainfall	6
3.2 Temperature	7
4. SOIL AND LAND USE	8-10
4.1 Soil	8
4.2 Land use	10
5. HYDROGEOLOGICAL CONDITIONS	11-16
5.1 Consolidated formations	14
5.2 Semi-consolidated formations	15
5.3 Un-consolidated formations	15
6. GROUND WATER REGIME MONITORING	17-19
6.1 Distribution of Hydrograph Stations (NHS)	18
7. ANALYSIS OF WATER LEVELS	20-61
7.1 Depth to water level	21
7.2 Water level fluctuations	32
7.3 Water level fluctuation with reference to Pre-monsoon water levels	43
7.4 Water level fluctuation with reference to decadal mean	51
7.5 Long term water level trend(2001-2010)	61
8. GROUND WATER QUALITY MONITORING	62-74
8.1 Factors controlling ground water quality	62
8.2 Hydro chemical quality evolution	64
8.3 Ground water quality sampling	65
8.4 Results and Discussions	67
ANNEXURES	
I Details of National Hydrographs Stations (Dug wells)	
II Depth to water level of National Hydrograph Stations (Dug wells)	
III Depth to water level for piezometers (Manual measurement)	
IV Water quality data for National Hydrograph Monitoring Stations	

1. INTRODUCTION

The State of Chhattisgarh lies between North Latitude 17°47' to 24°06' and East Longitude 80°14' to 84°24' (**Fig. 1.1**). Central Ground Water Board, North Central Chhattisgarh Region, Raipur is carrying out ground water regime monitoring in the State. The State covers a geographical area of 1, 37,360 sq. km. Nearly 65.90 % of the total area is covered by tribals and hence it is said as tribal dominated State. The ground water regime is monitored through a network of observation dug wells and piezometers. Dug wells represent the shallow phreatic aquifer system where as piezometers represent the shallow un-confined as well as deeper semi-confined aquifer system. The network of observation stations form a part of All India Network Hydrograph Stations, which is being monitored by various Regional offices of the department, located at different parts of the country.

As on March 2015, a network of 1088 observation wells (both dug wells and purpose built piezometers) are monitored four times a year. The monitoring includes measurement of ground water level and quality. The purpose is to observe the behavior of ground water and their levels in different hydrogeological environments in order to estimate the ground water resource from time to time and to know the water quality changes.

The monitoring database on water levels and chemical parameters helps to simulate models of forecasting, planning and management of ground water resources. The behavior of the ground water level and quality during the period from May 2014 to January 2015 is presented in this report with the idea that it will enable the user agencies to plan the development strategy for optimum utilization of ground water resources in the state.

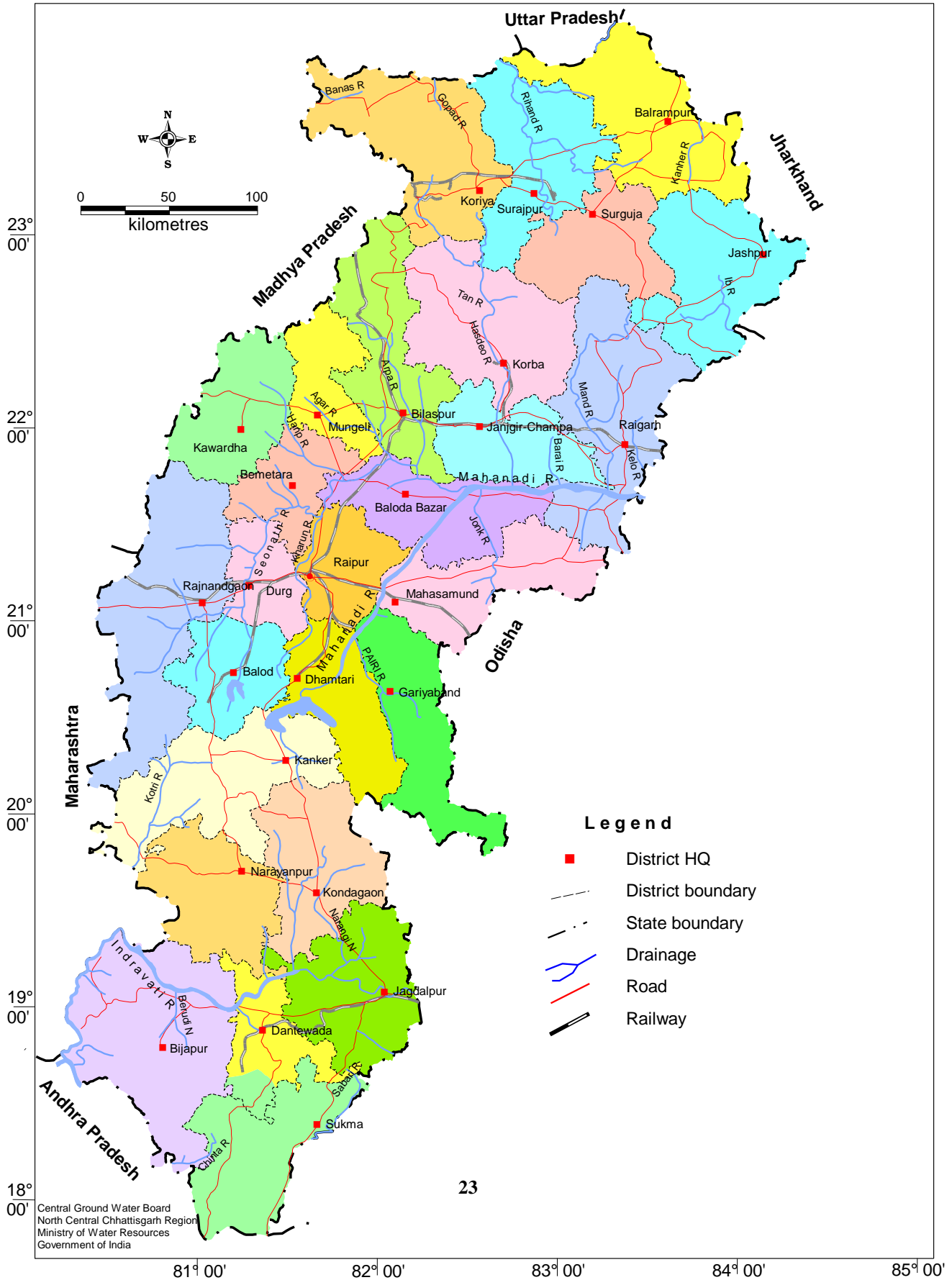


Fig 1.1 Administrative divisions of Chhattisgarh State

2. GEOMORPHOLOGY AND DRAINAGE

2.1 Physiography

Physiographically, Chhattisgarh can be divided into three distinct units i.e.

- i) Bastar plateau region on the southern part,
- ii) Chhattisgarh Plain region on the central part and
- iii) Northern hilly region on the northern parts of the State.

i) Bastar Plateau Region

It covers Bastar, Kondagaon, Narayanpur, Kanker, Bijapur, Sukma and Dantewada districts lying on the southern parts of the State. Except Indravati River plains, most of the area is covered by evergreen dense reserve forests and hilly tracts. The major landforms are high-level plateaus, structural hills and valleys and pediments and pediplains. The altitude varies from 400 to 600 m amsl. In the plains of Indravati River covering central parts, and along the Shabri River, covering southeastern parts the altitude varies from 250 to 300 m amsl.

ii) Chhattisgarh Plain Region

It is spread over the central part of the State and covers parts of Bilaspur, Mungeli, Janjgir-Champa, Mahasamund, Dhamtari, Raipur, Balodabazar, Gariyaband Durg, Balod, Bemetara, Rajnandgaon and Kawardha districts. It forms the structural plains on Proterozoic rocks and mature pediplain with remnants of few isolated hills and ridges in between flood plains of numerous tributaries of Mahanadi River system. It is characterised by a gently undulating and flat terrain. The overall altitude varies from 750 m amsl on northwestern parts of the area to 284 m amsl on southeastern parts.

iii) Northern Hilly Region

It covers from north to the north central part of the area and occupies parts of Sarguja, Balrampur, Surajpur Koriya, Korba, Bilaspur, Jashpur and Raigarh districts. It is a part

of Maikal and Hazaribagh hill ranges of central India. It represents structural plains of Gondwana rocks, pediment/pediains, structural and denudational plateaus, structural and denudational hills and valleys. It supports north flowing tributaries of Son River and south flowing Hasdeo and other tributaries of Mahanadi River. The Narmada, an important west-flowing River of central India, originates from Amarkantak in the central part of this physiographic unit.

The highest point in the State is 1197 m amsl at Tulisi Dongri range in Dantewada district and the lowest point is 50 m amsl at Konta in Dantewada district.

2.2 Drainage

The major Rivers flowing in Chhattisgarh State are given in **Table 2.1**. The Mahanadi River and its tributaries Seonath, Hasdeo, Mand and Arpa drain part of Raipur, Durg, Rajnandgaon, Bilaspur, Raigarh and Surguja districts. The Indravati River is a tributary to Godavari River and drains the districts of Kanker, Bastar and Dantewada. Most of the Rivers are perennial in nature. In general the drainage patterns are dendritic, parallel, angular and radial types. Son is the tributary of Ganga River and drains part of Surguja and Koriya districts. **Fig. 2.1** shows the physiography and drainage pattern existing in the area.

S.No.	Major Rivers	Tributaries	Districts
1.	Ganga (18407 Sq.Km.)	Son	Surguja, Koriya, Jashpur and Bilaspur
2.	Mahanadi (75858 Sq.Km.)	Ib, Hasdeo, Seonath, Tel, Mand	Raipur, Mahasamund, Dhamtari and parts of Durg, Rajnandgaon, Kawardha, Korba, Kanker, Bastar, Surguja, Raigarh and Bilaspur.
3.	Godavari (38694 Sq.Km.)	Indravati, Sabari Wain ganga	Parts of Durg, Bastar, Rajnandgaon, Kanker and Dantewada
4.	Narmada (744 sq.Km.)	Narmada	Parts of Rajnandgaon, Bilaspur, and Kawardha
5.	Bramhani (1394 sq.Km.)	Sankh	Part of Jashpur

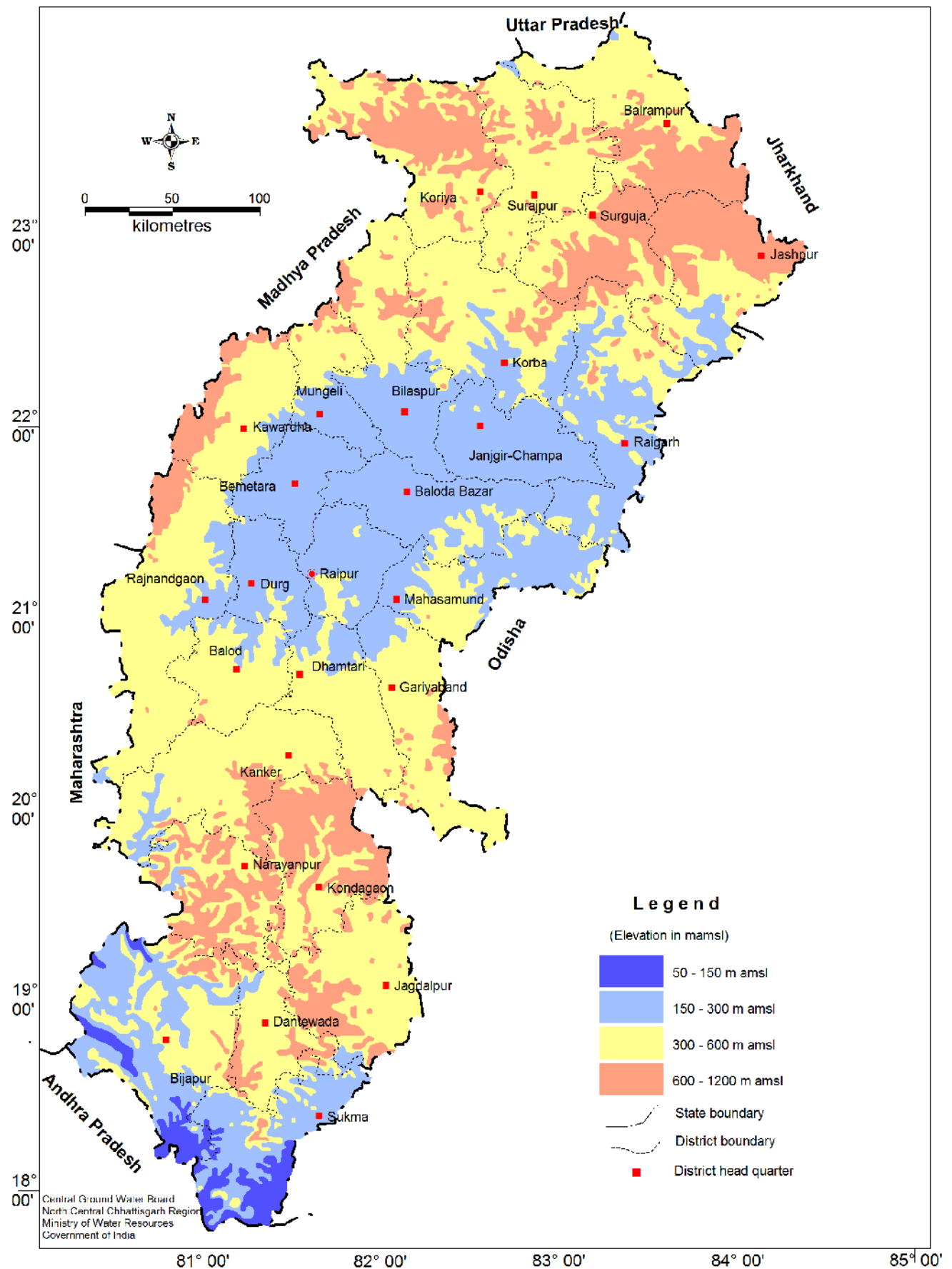


Fig 2.1 Physiography of Chhattisgarh State

3. CLIMATE AND RAINFALL

3.1 Rainfall

The region is endowed with sub-tropical monsoon climate with three distinct seasons i.e. summer, monsoon, and winter. The southwest monsoon starts from June and continues till middle of September. Winter season spreads from October to February. Summer season extends from March to middle of June. Rainfall is the major source of ground water recharge in the area and receives maximum (85%) rainfall during the southwest monsoon season. The winter rainfall is meagre (10 - 15%). The Indian Meteorological Department (IMD), various State Government departments; Agricultural Universities etc. are maintaining number of rain gauge stations which comes to more than 200 in the State.

Table 3.1 shows the annual rainfall in mm district wise for Chhattisgarh for the last eight years.

Sl. No.	District	Year								Average
		2005	2006	2007	2008	2009	2010	2011	2012	
1	Bastar	1519.1	1708.8	1259.2	1398.3	1038.3	1623.2	1160.5	1320	1378.425
2	Bilaspur	1475.7	1091.7	1269.4	1047	854.8	973.9	1290.1	1189	1148.95
3	Dantewara	1177.7	1151.5	1685.6	1206	709.1	1631.2	1219.7	1254	1254.35
4	Dhamtari	1100.3	1320.4	1007.2	901	1113	1211.1	1102.4	1130	1110.675
5	Durg	1103.9	886.4	1068.5	904.8	794.9	1149.7	1282.3	1197	1048.438
6	Janjgir-Champa	1217.4	1203.1	1396	1404.6	873.7	1212.6	1319.6	1256	1235.375
7	Jashpur	1395	836.3	1233.5	1412	1064	1133.9	1858.7	1298	1278.925
8	Kanker	1245.7	1571.7	1235.7	652.2	868.6	1480.8	1211.5	1205	1183.9
9	Korba	1482.3	750.7	857.4	1233.6	822.6	1093.1	1490.4	1187	1114.638
10	Koriya	1153.3	1021.3	1318.7	998.4	816.9	702.2	1808.7	1254	1134.188
11	Kawardha	966.2	773.1	654.5	694.7	612.4	1225	1028.2	943	862.1375
12	Mahasamund	1379	1383.9	1174.6	944.9	1190.1	1130	1298.6	1234	1216.888
13	Raigarh	1246.4	1089.1	1291.8	1513.9	978.2	988.3	1288.5	1200	1199.525
14	Raipur	1348	1206.7	1434.2	1114.5	948.3	1109.1	1322.9	1232	1214.463
15	Rajnandgaon	1568.8	1127.6	769.8	812.7	734.9	1221.9	1169.8	1075	1060.063
16	Surguja	1110.1	1186.3	1153.4	1019.6	616.8	596.7	1383.6	1009	1009.438
Chhattisgarh		1280.6	1144.3	1175.6	1078.6	877.3	1155.2	1327.2	1146.43	1149.225

Source: India Meteorological Department (IMD)

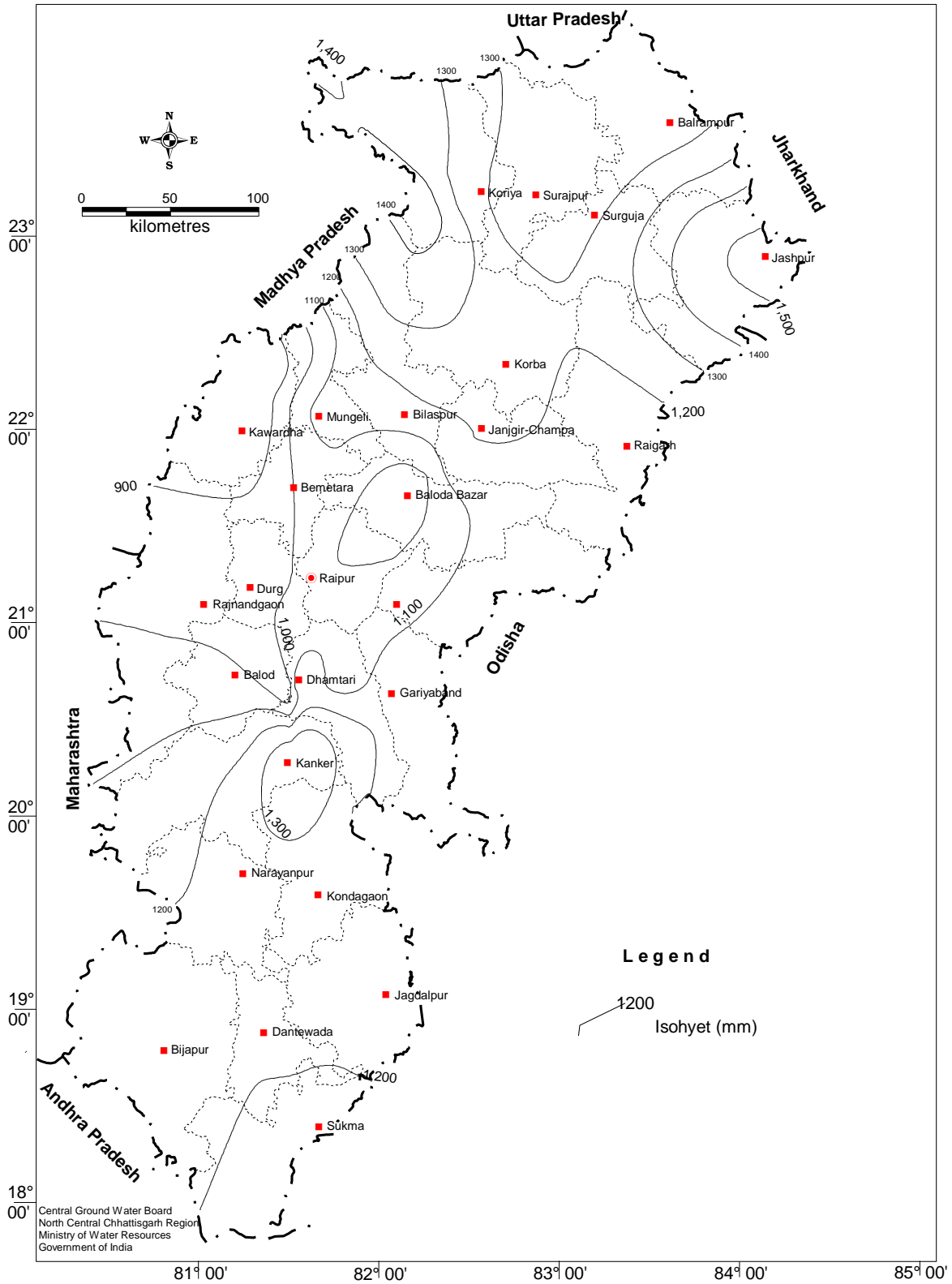


Fig 3.1 Isohytal map of Chhattisgarh State

3.2 Temperature

The State experiences sub-tropical climate characterized by extreme summer and moderate winter. The summer extends from March to mid June and May is the hottest month. The mean daily maximum temperature during the month of May goes upto 46⁰C. The winter season lasts till end of February. January is the coldest month with the mean daily maximum temperature at 30⁰C and the mean daily minimum temperature at 10.2⁰C. In Raipur area, the average temperature varies from 13⁰C during winter to 46⁰C in summer. However, in the plateau areas on the northern part, the variation was from 10⁰C in winters to 39⁰C in summers.

4. SOIL AND LANDUSE

4.1 Soil

The soils in the upper reaches of the drainage are shallow, young and are eroding in nature. Changes in soil properties indicate the drainage conditions, transport of eroded material and redeposition of soil constituents. Down the slope, the soil depth, water holding capacity, ion exchange capacity, and preponderance of calcium and magnesium increases. The colour changes from red to dark brown. The texture also changes from sandy loam to clayey, and sticky to very sticky. The various soil types existing in the State and their suitability for various crops is enumerated in **Table 4.1** and **Fig 4.1**.

Table 4.1: Distributions of Soils and suitability of crops in Chhattisgarh State

Type of soil	Parent Rock	Distribution (Districts/tehsils)	Suitable Crops
Red-yellow soil (Matasi)	Gondwana, Chhattisgarh Supergroup	Surguja, Koriya, Jashpur, Raigarh, Korba, Bilaspur Kawardha, Durg, Raipur, Dhamtari and Mahasamund districts	Paddy
Red-sandy soil	Archaean Granite	Bastar, Dantewada, Kanker, Durg, Rajnandgaon and Dhamtari districts	Kodo-Kutki, Jawar, Maize, Potato Coarse grains etc
Red-domat soil	Archaean Granite	Dantewara and Konta tehsils	Paddy
Laterite soil	Mixed	Bagicha, Samri, Sitapur, Ambikapur, Kawardha, Chhui-Khaddan, Saja, Bemetera and Jagdalpur tehsils	Potato, Jawar, Kuddo-Kutti, Oilseeds, Pulses etc.
Black soil	Mixed	Mungeli, Ariya, Raipur, Rajim, Mahasamund, Kurud and Kawardha tehsils	Paddy, Wheat, Cotton, Gram, Sugarcane And Rabi crops

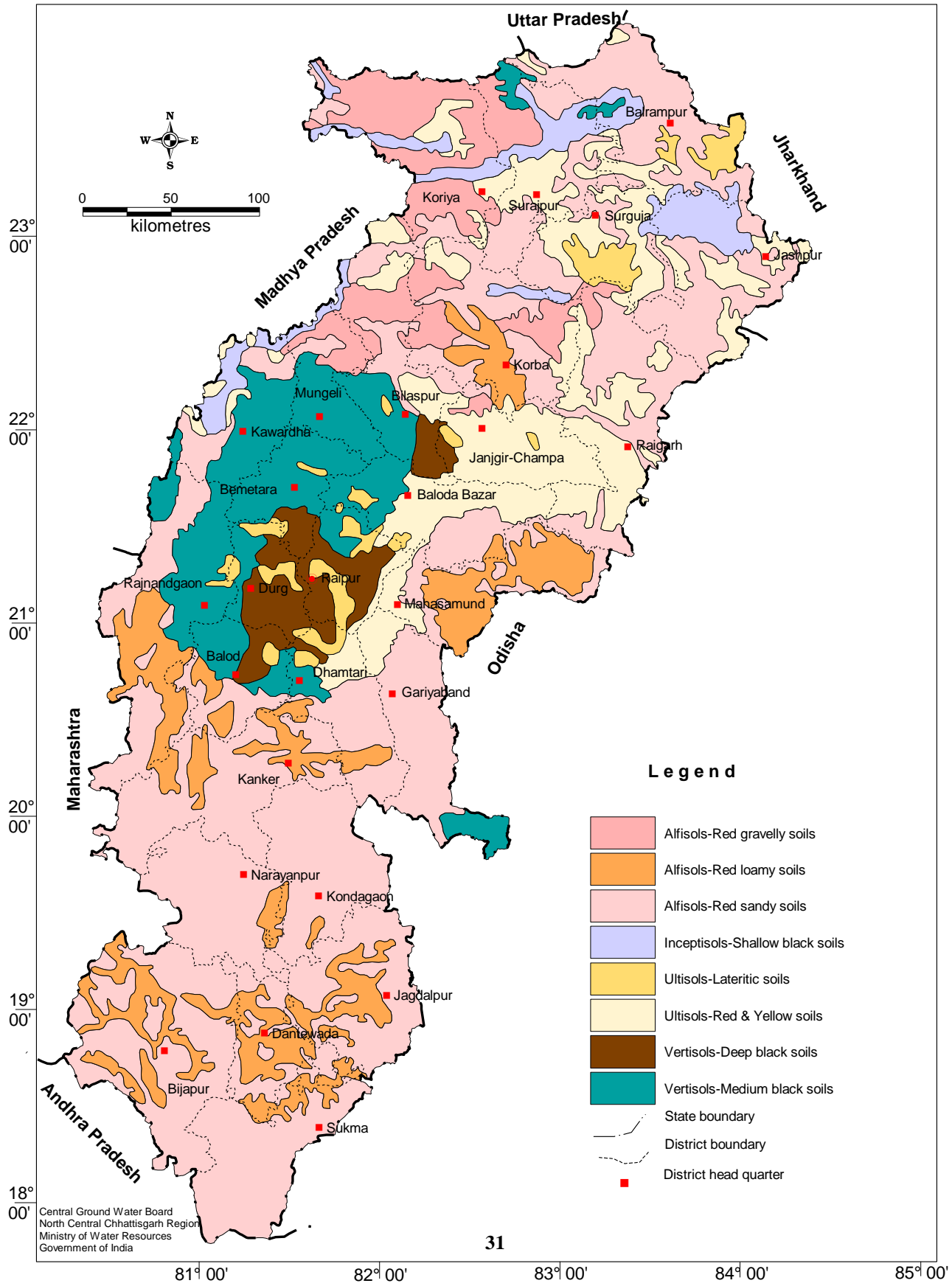


Fig 4.1 Distribution of soil in the State

4.2 Land use

The land use pattern is an important index of the human, social, cultural, and economic developments. As per the available statistics for the year 2013 (Department of Statistics, Govt. of Chhattisgarh), 6352413 Ha. (46 %) of the total area in the State is covered by forests. The forests include protected forests, reserved forests, revenue forests and others. Nearly 85.14 % of Narayanpur district (638801 Ha) is covered and also area wise Narayanpur district has the maximum forest cover (638801 Ha). Bemetara district has the lowest forest cover in terms of percentage of the total area (0.015 %,40 Ha) and also area wise Bemetara has the lowest forest cover (40Ha).The net sown area for Chhattisgarh is just 33.87% (4671469Ha).The double cropped area is 1019386 Ha. Nearly 37 % of the net sown area has irrigation facilities. Land use map is presented in **Fig 4.2**.

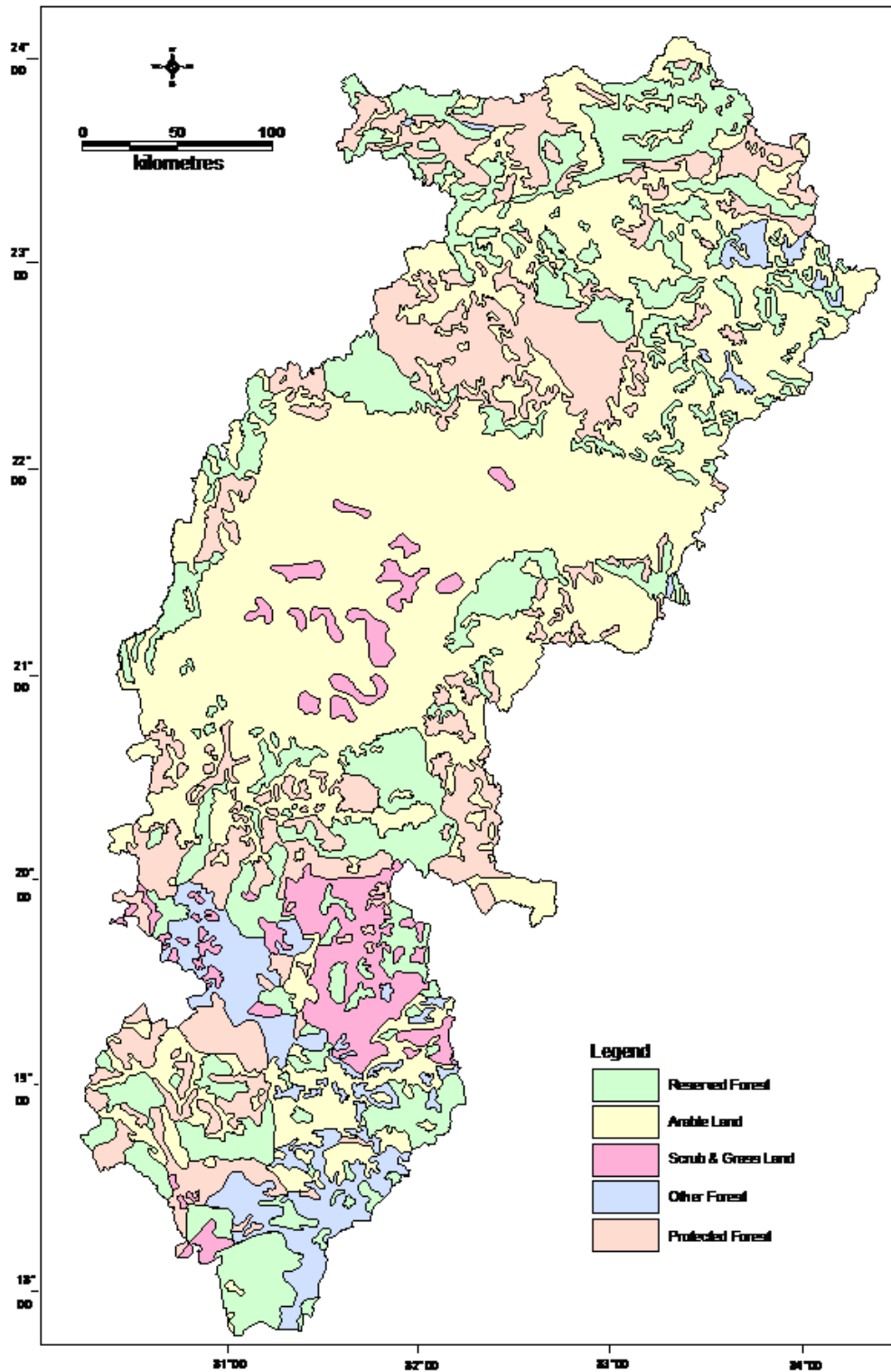


Fig 4.2 Landuse map of Chhattisgarh

5. HYDROGEOLOGICAL CONDITIONS

The occurrence and movement of ground water is related to the existing geology of the area. The State is underlain by various rock types belonging to different geological ages, from Azoic to Quaternary. The major litho units are shown in **Fig. 5.1** and the general geological succession is given in **Table 5.1**.

Nearly 58 % of the State is covered by Crystalline and Metamorphic rocks, around 27 % of the area is covered by Chhattisgarh Group of rocks. The semi-consolidated Gondwana Supergroup of rocks covers 13 % of the area and the remaining 2 % by Daccan trap, Lameta, Laterite and River Alluvium.

The Archaean crystallines comprising of granites and gneisses form the major litho unit in the area. The ground water occurs under unconfined to semi-confined conditions. All the districts except Janjgir- Champa are covered by crystallines. The weathered formation and the fractures form the main repository for ground water in these rocks. The second important litho unit in the area is the Proterozoic arenaceous–argillaceous- calcareous rocks of Chhattisgarh, Indravati, Khariyar and Sukma Groups. The weathered formation, caverns, fractures and formation contacts form the potential ground water zones. The karstified argillo –calcareous rocks are much more productive than compact –silicified arenaceous sediments. The gypsum karsts are more intense than calcareous karsts in the Chhattisgarh basin. The overall karstification in Indravati basin is much higher than in the Chhattisgarh basin. Karsts, though few and far in between are the best repository for ground water. These rocks cover the districts of Bastar, Narayanpur, Kondagaon, Dantewada, Bijapur, Sukma, Kanker, Raipur, Dhamtari, Mahasamund, Durg, Rajnandgaon, Kawardha, Bilaspur, Mungeli, Janjgir- Champa, Korba and Raigarh.

The rocks belonging to Gondwana Supergroup are the third major litho unit in the area. The sandstones shows primary and occasional secondary porosity. They form

thick and extensive unconfined to confined aquifers extending to a depth of 300 mbgl. At some places free flow conditions are existing and at places the temperature goes up to 50⁰C. The Gondwana formations are covering the districts of Raigarh, Korba, Koriya and Surguja and are exhibiting confined conditions.

Table 5.1: Geological Succession for Chhattisgarh State

Age	Formation	Lithology
Quaternary	Recent to sub recent	Alluvium – clay, silt, sand pebble, gravel, laterite ferruginous concretions
Cenozoic	Deccan traps	Traps with or without intertrappean sediments
Cenozoic, Mesozoic, upper Palaeozoic	Gondwana Super group	Sandstone, shale, conglomerate, quartzite, silt – stone, clay stone.
Proterozoic	Chhattisgarh Super group Chilipi, Kotri, Dongargarh, Iron Ore Super group	Limestone and shale Arkose, conglomerate, sand stone, silt stone, shale Schist, phyllite, slate, gneiss, marble, BHQ.
Azoic	Basement crystallines Basement crystallines	Charnockite, khondalite, granulite, gneisses and meta sediments Granites, gneisses and associated basic and ultra basic intrusive

The unconsolidated formation of Quaternary age comprising alluvium, clay, silt and laterite form as a thin and extensive unconfined aquifer in several isolated patches

along major River courses. The thickness extending up to a depth of 30 mbgl along Mahanadi, Arpa, Hasdeo, Seonath, Kharun, Mand, Kelo Rivers.

From the hydrogeological point of view, all rock types existing in the State can broadly be divided into three groups as i) the consolidated formations, ii) the semi consolidated formations and iii) the unconsolidated formations. The hydrogeological map of the state is presented in **Fig. 5.2**.

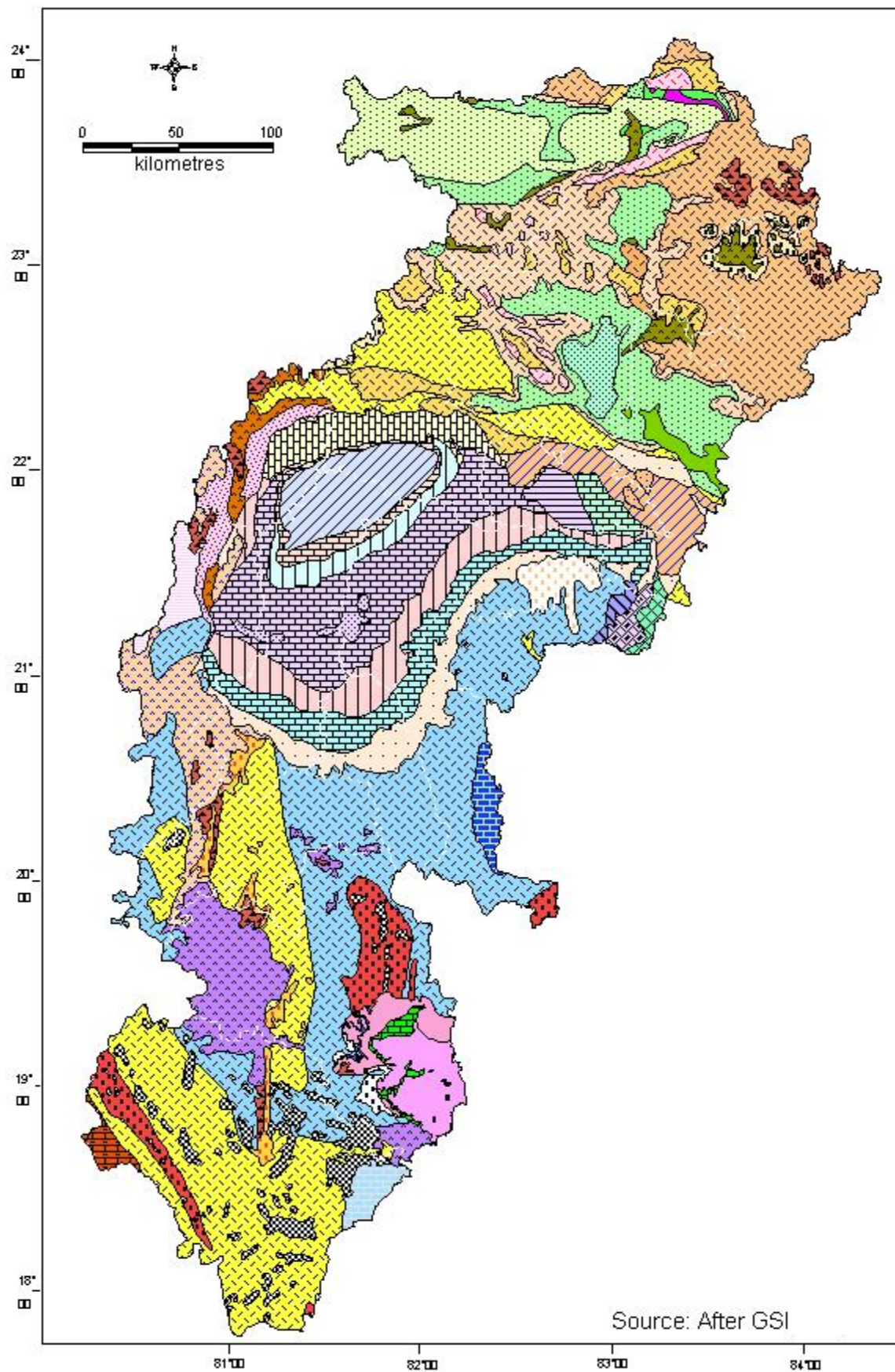



















































Fig. 5.1: Geological map of Chhattisgarh State

Geology Legend

	Laterites		Kanger Limestone
	Deccan Trap		Cherakur Shale
	Lameta Group		Cherakur Sandstone
	Mahadeva Formation		Tirathgarh Sandstone
	Jabalpur, Parsora, Tiki Formation		Nawagarh Group
	Panchet Formation		Sabri Group
	Kamthi Formation		Pakhal Group
	Barakar Formation		Saraipali Formation
	Raniganj Formation		Chhuipali Formation
	Talchir Formation		Rehalikhol Formation
	Maniari Formation		Chilpi Group
	Hirri Formation		Khairagarh Group
	Saradh Formation		Abujhmar Group
	Tarenga Formaton		Bijli Rhyolite
	Chandi Sandstone		Pitepani Volcanics
	Chandi Limestone		Dongargarh Granite
	Bamnidih Formation		Granite of Bilas-Raig-Sug
	Pandaria Formation		Sonakhan Group
	Gunderdehi Formation		Unclassified Metamorphics_BRA
	Charmuria Formation		Bailadila Group
	Raigarh Formation (Sandstone)		Chhotanagpur Gneissic Rocks
	Raigarh Formation		Bastar Gneisses
	Chandrapur Group		Bengpal Group
	Machkot Dolomite		Charnokite- Khondalite Group
	Jagdarpur Formation		

5.1 Consolidated Formations

The consolidated formations include the crystallines and the metamorphosed sedimentary formations belonging to Proterozoic age. They are mainly granites, granite gneisses, schistose rocks, charnockites, quartzites, calcsilicate rocks, shales, phyllites and limestones. These rocks are devoid of primary porosity. The ground water occurs in the secondary porosity resulting from fracturing, jointing and weathering. These hard rock aquifers exhibit considerable variations laterally as well as depth wise. The weathered formation is composed of loose regolith with secondary intergranular porosity, which facilitates free circulation of ground water. Also the fractures at depth form potential repository of ground water. In general the average thickness of weathered formation varies from 15 to 20 m. The ground water occurs

under water table conditions. The water bearing fracture zones are generally occurring within a depth of 100m, but deeper potential fractures are also encountered in some of the boreholes.

Deccan Trap basalts are typical hard rock formations. The lava flows are generally 10 to 20 m thick. The top of each flow comprises of 25 to 40 % vesicular/fragmentary basalt. The vesicles are generally filled with secondary minerals like calcite and zeolite. The characteristic red bole beds form the marker horizons and occur as inter-trappean beds between successive flows. Deccan Traps with primary vesicular structure and secondary fractures and joints are moderately productive from ground water point of view. The ground water occurs under both unconfined to semi confined conditions. The Deccan Trap basalts are occurring at few places.

5.2 Semi-consolidated formations

The semi-consolidated formations include Gondwana Supergroup of sedimentary rocks and ranging in age from Upper Carboniferous to Cretaceous. This group includes sandstone, shale, siltstone and conglomerate beds. These formations are generally highly compact and possess less intergranular porosity. The coarse to medium grained, weathered, fractured and friable sandstone forms good aquifer. The ground water occurs under water table conditions in the near surface aquifers and under confined conditions in the deeper aquifers. The depth of weathering in Gondwana Group of rocks generally extends to a depth of 15 m.

5.3 Unconsolidated formations

The unconsolidated formations include alluvium and laterite. Alluvium occurs as discontinuous patches along the River courses where the thickness is limited. The sand and gravel layers act as a good repository for ground water. The ground water occurs under unconfined conditions. The laterites occur as cap rocks on basalts or granites. The laterites are vesicular, essentially ferruginous and form good repository of ground water.

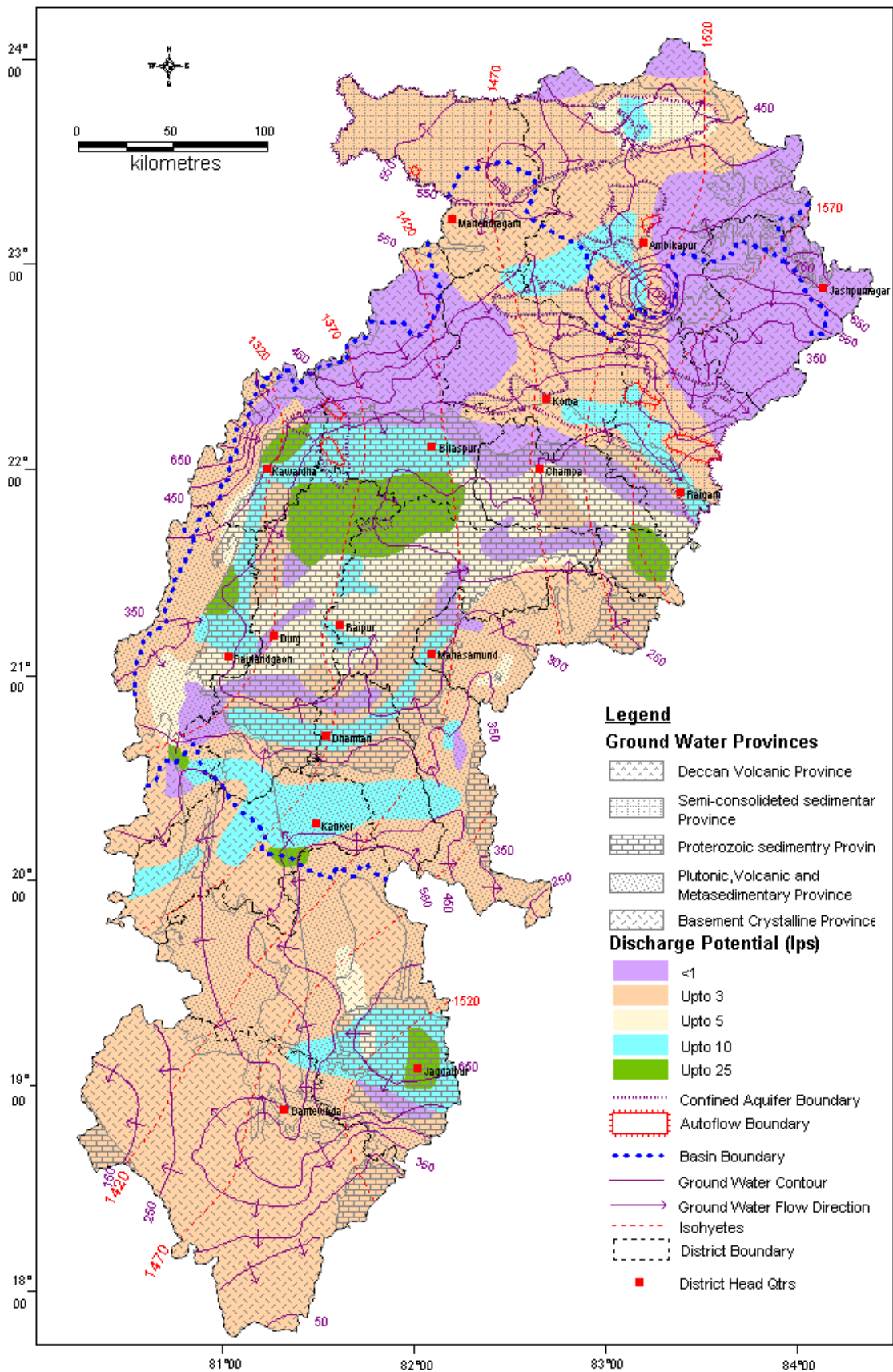


Fig. 5.2: Hydrogeological map of Chhattisgarh State

6. GROUND WATER REGIME MONITORING

Ground water level is not static. It is always under the influence of time-dependant recharge and discharge factors. As a result the water level in the aquifer system fluctuates and the range depends on the period of influence. The recharge is due to many factors such as rainfall, seepage from reservoirs, lakes, ponds, rivers and irrigation, etc. The discharge includes ground water withdrawal through manual and pumping systems, natural seepage to rivers and sea, evaporation from shallow water table and transpiration through vegetation.

The Central Ground Water Board is monitoring the ground water regime through the length and breadth of the country since the year 1969 through a network of Hydrograph Stations (NHS). The density of observation wells is increased from year to year. As on 31st March 2015, a total of 1088 number of observation wells, which included both dug wells (825) and piezometers (263) were established in Chhattisgarh for monitoring purposes. Location of the NHS wells is shown in **Fig. 6.1**. The details of NHS are given in Annexure-I.

The hydrograph network stations (NHS) are established permanently and are monitored during every set of measurements. The existing network provides information on ground water regime with fair degree of accuracy. The NHS wells are monitored four times in a year during the following months. They are;

- May** - 21st to 30th of the month - represents water level of Pre-monsoon period.
- August** - 21st to 30th of the month - represents peak monsoon water level
- November** - 1st to 10th of the month- represents water level of Post-monsoon period.
- January** - 1st to 10th of the month- represents the recession stage of water level

Water samples were collected from each network station during the month of May 2014 (Pre-monsoon) to assess the chemical quality of ground water.

6.1 Distribution of Hydrograph Network Stations (NHS)

a) District-wise

The total number of hydrograph network stations (NHS) in the State are 1088. Out of these 825 are dug wells tapping the shallow aquifer and 263 are piezometers tapping both shallow and deeper aquifers. District-wise distribution of the hydrograph network stations is given in **Table 6.1** and is also shown in Fig. **6.1**.

Table 6.1: District wise distribution of Hydrograph Network Stations in Chhattisgarh

Sl No	Name of the District	Total No. of Ground Water Monitoring Wells (As on 31, Mar, 2014)			Total No. of Ground Water Monitoring Wells Established upto March, 2015)			Total No. of Ground Water Monitoring Wells Abandoned upto March, 2015)			Total No. of Ground Water Monitoring Wells (As on March, 2015)		
		DW	PZ	Total	DW	PZ	Total	DW	PZ	Total	DW	PZ	Total
1	Bastar	60	16	76	3	0	3	3	1	4	42	14	56
2	Bilaspur	69	19	88	13	0	13	3	0	3	81	17	98
3	Dhamtari	23	12	35	6	0	6	0	0	0	29	12	41
4	Durg	71	25	96	19	1	20	8	1	9	72	25	97
5	Janjgir-Champa	40	15	55	6	0	6	3	0	3	42	14	56
6	Jashpur	53	11	64	8	1	9	0	1	1	61	11	72
7	Kanker	22	3	25	1	0	1	1	1	2	20	3	23
8	Kawardha	13	12	25	2	0	2	0	3	3	15	10	25
9	Korba	58	29	87	12	17	29	1	16	17	68	30	98
10	Koriya	29	7	36	6	0	6	1	0	1	34	6	40
11	Mahasamund	26	20	46	4	0	4	1	0	1	27	20	47
12	Raigarh	86	23	109	17	15	32	2	6	8	104	30	134
13	Raipur	84	27	111	12	17	29	3	0	3	95	42	137
14	Rajnandgaon	54	9	63	8	0	8	4	0	4	57	8	65
15	Surguja	71	20	91	12	3	15	4	2	6	78	21	99
	Total	759	248	1007	129	55	183	34	31	65	825	263	1088

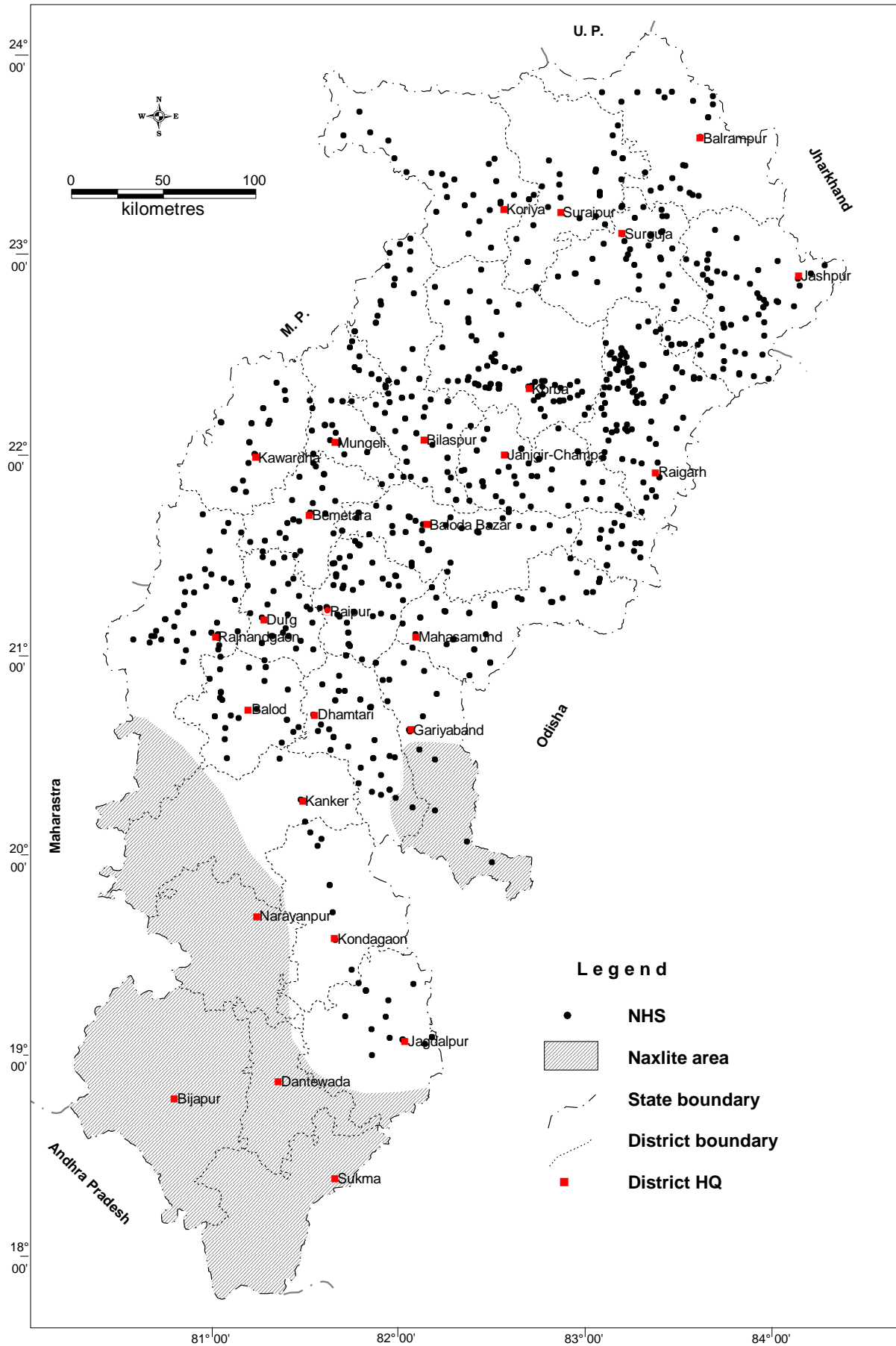


Fig 6.1 Location of NHS monitoring stations, Chhattisgarh State

7. ANALYSIS OF WATER LEVELS

The ground water levels observed over a period provides valuable information on the behaviour of the ground water regime, which is constantly subjected to changes due to recharge and discharge phenomena. A balance between these two factors results in the decline or rise in the ground water storage. When the recharge exceeds discharge there will be a rise in the ground water storage and vice versa. The decline in water level may be due to increase in draft (for different purposes) or decrease in precipitation (less recharge to ground water). On the other hand a rise in water level may be due to an increase in rainfall and/or due to changes in irrigation practices.

The dug wells are tapping the phreatic aquifer which is mostly limited to a depth of 15 m. The depth of piezometers which are tapping both the phreatic and deeper aquifers varies from 18 to 90 m. Hence the water level recorded in the piezometers may not be the same as that of dug wells for a particular period though both the structures are in the same place. In this report the water level data collected from the dug wells is presented. The water level in some of the wells on the southern part of the State could not be measured due to various reasons. Hence those areas are left blank while preparing different maps.

The NHS (dug wells) water level data collected four times during the year 2014-15 was analysed and for every set of measurements, write up and maps were prepared and are presented here under various paragraphs. The NHS (dug well) water level data is given in **Annexure-II**. The purpose of water level data analysis is;

- i) Four measurements of depth to water level gives an overall idea regarding the ground water level in the state during the year of measurement.
- ii) The fluctuation in comparison to the same month in the previous year gives an idea about the change in the ground water level for a particular period with respect to that of the level during the same month in the previous year. This gives an idea about the change in the amount of draft and rainfall between the two years.

- iii) The water level fluctuation during the pre-monsoon period in comparison to last year gives an idea about the seasonal fluctuation, which ultimately reflects the change in dynamic ground water resources.
- iv) The water level fluctuation during a particular month of measurement with reference to the decadal mean for the same months gives an idea of the behaviour of the ground water level on long-term basis.

7.1 Depth to Water Level

7.1.1 May 2014

In general, the depth to water level ranges up to 10 mbgl in approximately 79% of the observation wells in the state. Deeper water levels ranging between 10 and 20 mbgl occur only in 19% of the observation wells and mostly in parts of Bilaspur, Durg, Janjgir-Champa, Korba, Koriya, Raigarh, Raipur and Surguja districts. The deepest water level of 25.20 m bgl was monitored in Dhamdha observation well (Shallow piezometer) of Durg district.

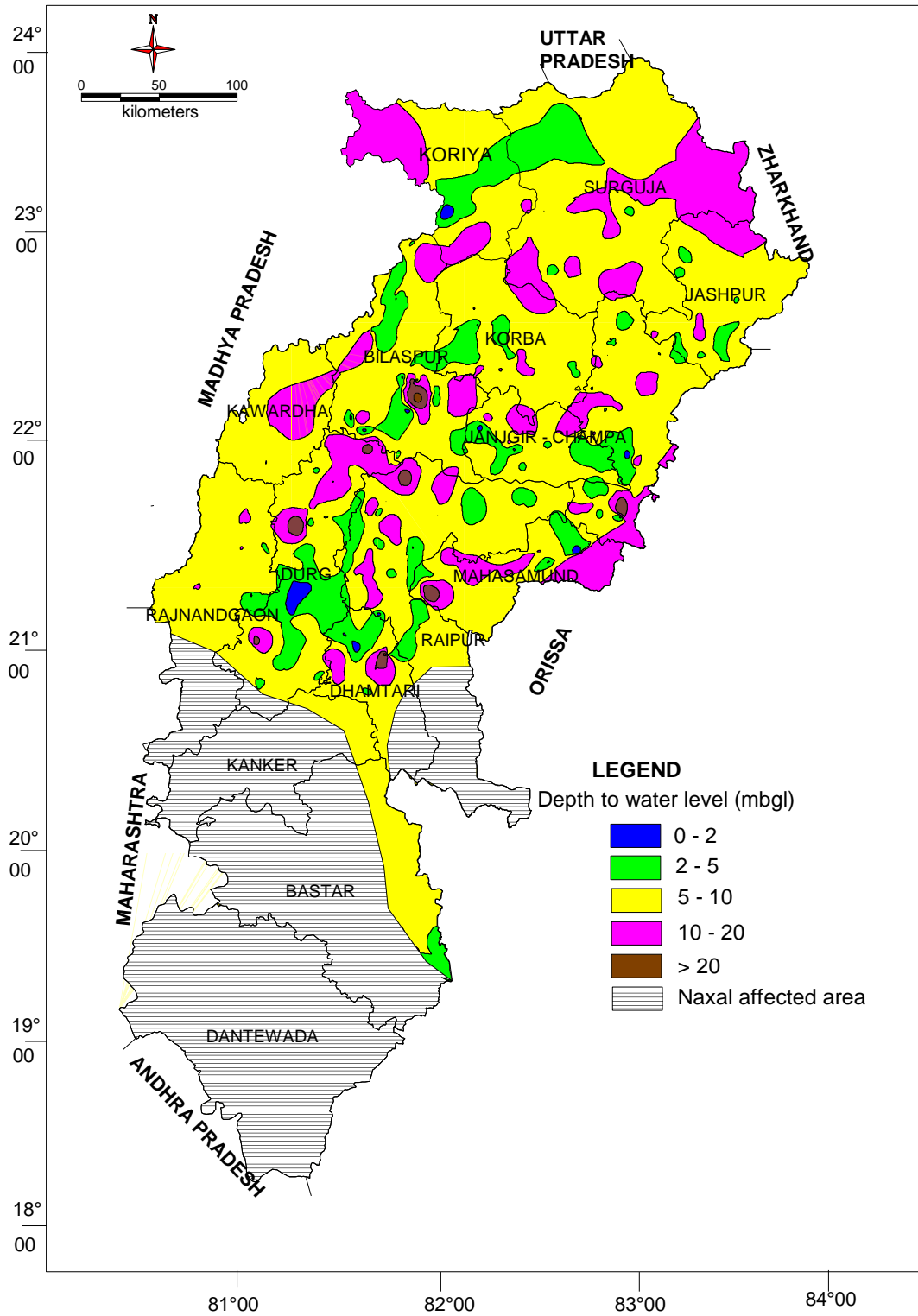
23 number of wells (approximately 4% of the monitored wells) in the state are showing water levels between 0-2 m bgl in Bilaspur, Mahasamund, Dhamtari, Durg, Raigarh, Raipur and Janjgir Champa districts. Water levels in the range of 2-5 m bgl are recorded in about 125 of the observation wells monitored. The highest percentages of wells in this range are in Durg (38.30%), Koriya (33.33%), Raipur (33.33%), Bilaspur (29.28%), Kawardha (25%) and Raigarh (25%) districts. Nearly 52.06% of observation wells are exhibiting water level in the range of 5-10 mbgl in all the districts of the state.

The district wise frequency distribution of different ranges of depth to water level are furnished in **Annexure-I and II**. District wise distribution of percentage of observation wells at different ranges of depth to water level as observed in May 2014 are given in **Table 7.1** and represented on a map and appended as **Fig 7.1**.

Table 7.1 District wise distribution of percentage of observation wells at different ranges of depth to water level in May 2014

District	No. of Wells Analyzed	Depth to Water Table (mbgl)		No. / Percentage of Wells Showing Depth to Water Table (mbgl) in the Range of				
		Min	Max	0.0-2.0	2.0-5.0	5-10.0	10.0-20.0	20.0-40.0
BASTAR	17	2.46	15.28	0	4 23.53%	9 52.94%	4 23.53%	0
BILASPUR	71	0.70	22.31	5 7.04%	21 29.58%	32 45.07%	11 15.49%	2 2.82%
DHAMTARI	24	1.32	20.50	2 8.33%	4 16.67%	13 54.17%	3 12.50%	2 8.34%
DURG	47	1.11	25.20	3 6.38%	18 38.30%	14 29.79%	8 17.02%	4 8.51%
JANJGIR - CHAMPA	45	1.05	20.90	3 6.67%	8 17.78%	23 51.11%	10 22.22%	1 2.22%
JASHPUR	46	2.75	15.05	0	9 19.57%	33 71.74%	4 8.70%	0
KANKER	3	5.47	8.24	0	0	3 100.00%	0	0
KAWARDHA	12	4.27	20.60	0	3 25.00%	5 41.67%	3 25.00%	1 8.33%
KORBA	50	1.75	15.83	1 2.00%	6 12%	35 70.00%	8 16.00%	0
KORIYA	12	0.80	12.80	1 8.33%	4 33.33%	4 33.33%	3 25.00%	0
MAHASAMUND	31	0.73	25.20	3 9.68%	4 12.90%	15 48.39%	6 19.35%	3 9.68%
RAIGARH	68	1.40	23.50	2 2.94%	17 25.00%	34 50.00%	14 20.59%	1 1.47%
RAIPUR	60	1.37	24.00	2 3.33%	20 33.33%	25 41.67%	12 20.00%	1 1.67%
RAJNANDGAON	25	1.80	10.77	1 4.00%	3 12.00%	18 72.00%	3 12.00%	0
SURGUJA	46	2.65	19.27	0	4 8.70%	27 58.70%	15 32.61%	0
Total	557	0.70	25.20	23	125	290	104	15

Fig 7.1 Depth to water level (May'2014)



7.1.2 August 2014

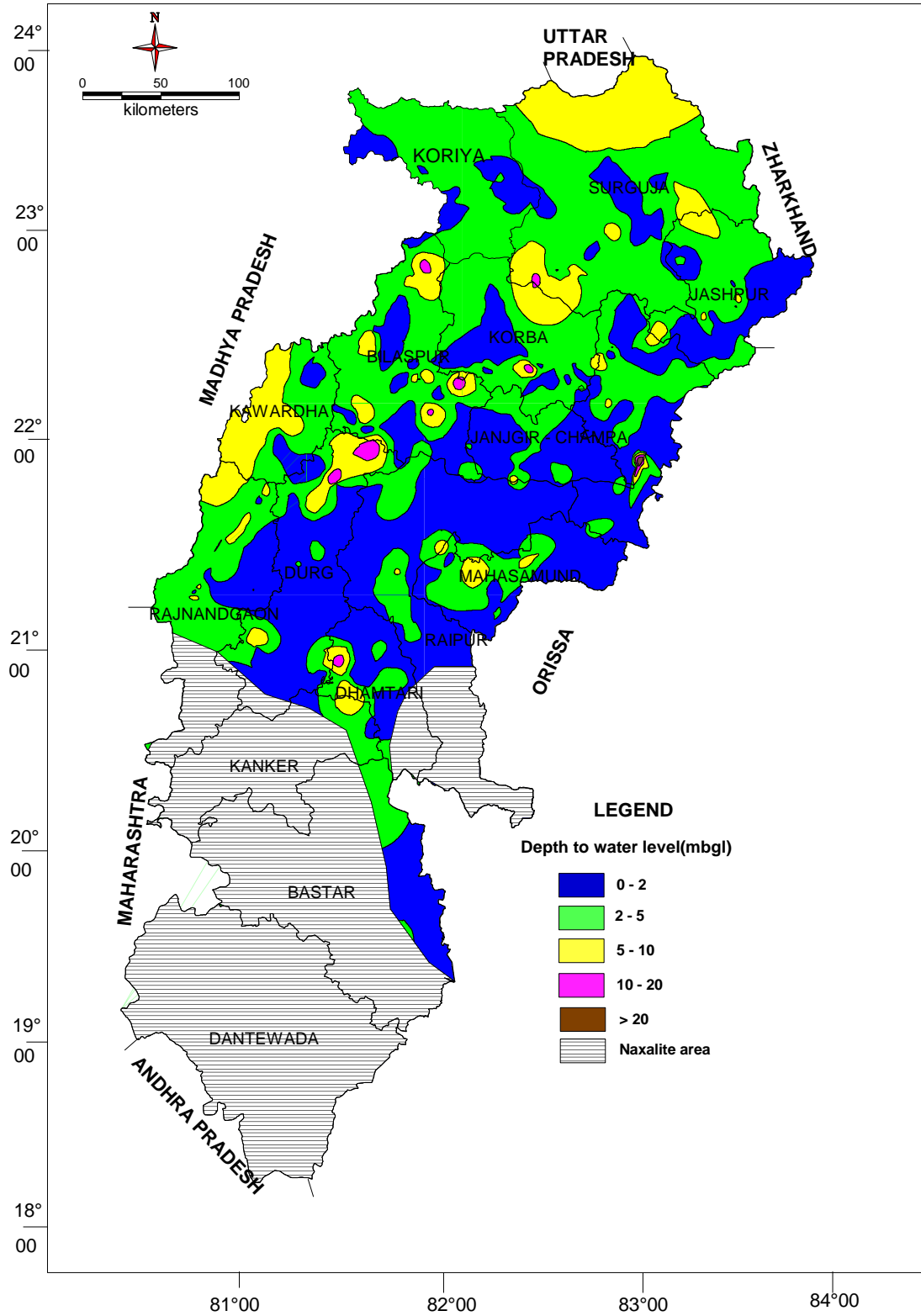
In general, the depth to water level range up to 5 mbgl is observed in approximately 89% of the wells and depth to water level range up to 10 mbgl is observed in approximately 8% of the wells in the state. Deeper water levels ranging between 10 and 20 mbgl occur only in 3% of the observation wells and mostly in parts of Bilaspur, Durg, Dhamtari, Kawardha, Jashpur, Korba, Mahasamund and Surguja districts. The deepest water level of 22.30 m bgl was monitored in Ganiyari observation well (Shallow piezometer) of Bilaspur district.

338 numbers of wells (approximately 56% of the monitored wells) in the state are showing water levels between 0-2 m bgl in almost all the districts of Chhattisgarh State. Water levels in the range of 2-5 m bgl are recorded in about 195 of the observation wells monitored. The highest percentages of wells in this range are in Koriya (58.62%), Surguja(53.57%), Korba (44.44%), Kawardha (43.75%), Mahasamund (37.93%) and Bilaspur (37.66%) districts. Nearly 8% of observation wells are exhibiting water level in the range of 5-10 mbgl in most of the districts of the state. The district wise frequency distribution of different ranges of depth to water level are furnished in **Annexure-I and II**. District wise distribution of percentage of observation wells at different ranges of depth to water level as observed in August'2014 are given in **Table 7.2** and represented on a map and appended as **Fig 7.2**.

Table 7.2 District wise distribution of percentage of observation wells at differen ranges of depth to water level in August' 2014

District	No. of Wells Analysed	Depth to Water Table (mbgl)	No. / Percentage of Wells Showing Depth to Water Table (mbgl) in the Range of					
			Min	Max	0.0-2.0	2.0-5.0	5.0-10.0	10.0-20.0
BASTAR	18	0.55	7.13	13 72.22%	3 16.67%	2 11.11%	0	0
BILASPUR	77	0.81	22.30	34 44.16%	29 37.66%	8 10.39%	5 6.49%	1 1.3%
DHAMTARI	31	0.05	12.93	23 74.19%	5 16.13%	2 6.45%	1 3.23%	0
DURG	46	0.63	17.56	34 73.91%	6 13.04%	4 8.70%	2 4.35%	0
JANJGIR - CHAMPA	46	0.25	6.80	29 63.04%	15 32.61%	2 4.35%	0	0
JASHPUR	47	0.10	12.69	26 55.32%	16 34.04%	4 8.51%	1 2.13%	0
KANKER	4	0.76	3.64	3 75.00%	1 25.00%	0	0	0
KAWARDHA	16	0.55	19.44	5 31.25%	7 43.75%	0	4 25.00%	0
KORBA	54	0.18	13.47	27 50.00%	24 44.44%	2 3.70%	1 1.85%	0
KORIYA	29	0.05	4.99	12 41.38%	17 58.62%	0	0	0
MAHASAMUND	29	0.25	16.10	14 48.28%	11 37.93%	3 10.34%	1 3.45%	0
RAIGARH	55	1.00	8.79	30 54.55%	18 32.73%	7 12.72%	0	0
RAIPUR	62	0.70	5.80	56 90.32%	4 8.06%	1 1.61%	0	0
RAJNANDGAON	30	0.25	6.97	16 53.33%	8 26.67%	6 20%	0	0
SURGUJA	56	0.27	11.36	16 28.57%	30 53.57%	7 12.50%	3 5.36%	0
Total	600	1.00	22.30	338	195	48	18	1

Fig 7.2 Depth to Water Level(August'2014)



7.1.3 November 2014

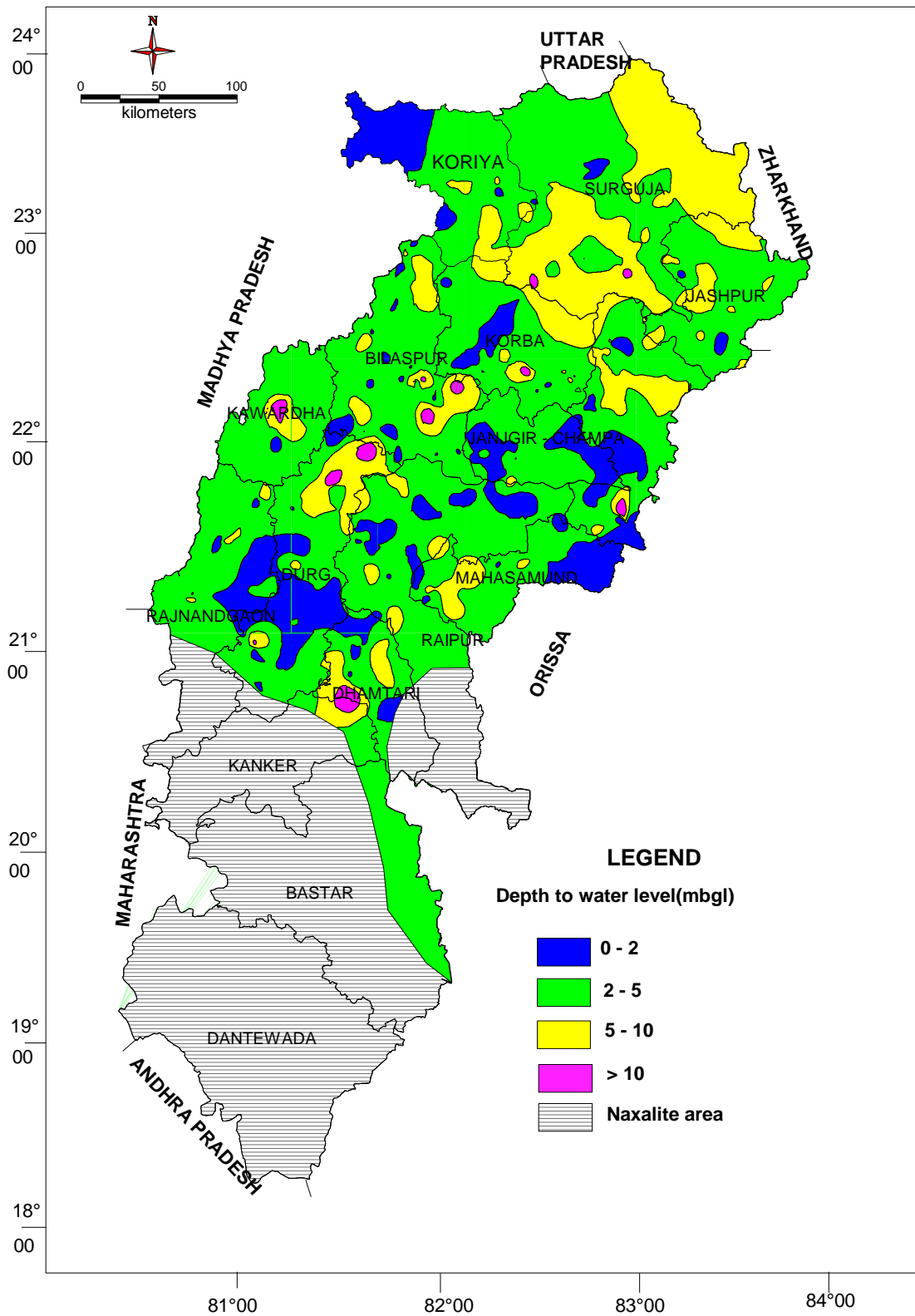
In general, the depth to water level range up to 5 mbgl is observed in approximately 79% of the wells and depth to water level range up to 10 mbgl is observed in approximately 17% of the wells in the state. Deeper water levels ranging between 10 and 20 mbgl occur only in 4% of the observation wells and mostly in parts of Bilaspur, Durg, Kawardha and Surguja districts. The deepest water level of 19.70 m bgl was monitored in Ganiyari observation well (Shallow piezometer) of Bilaspur district.

155 numbers of wells (approximately 25% of the monitored wells) in the state are showing water levels between 0-2 m bgl in almost all the districts of Chhattisgarh State. Water levels in the range of 2-5 m bgl are recorded in about 332 of the observation wells monitored. The highest percentages of wells in this range are in Bastar (85.71%), Jashpur (68.29%), Kanker (66.67%), Kawardha (62.50%), Korba (62.26%), Raipur (62.03%), Koriya (59.09%), Mahasamund (57.58%) and Bilaspur (52.86%) districts. Nearly 17% of observation wells are exhibiting water level in the range of 5-10 mbgl in most of the districts of the state. The district wise frequency distribution of different ranges of depth to water level are furnished in **Annexure-I and II**. District wise distribution of percentage of observation wells at different ranges of depth to water level as observed in November '2014 are given in **Table 7.3** and represented on a map and appended as **Fig 7.3**.

Table 7.3 District wise distribution of percentage of observation wells at differen ranges of depth to water level in November' 2014

District	No. of Wells Analysed	Depth to Water Table (mbgl)	No. / Percentage of Wells Showing Depth to Water Table (mbgl) in the Range of					
			Min	Max	0.0-2.0	2.0-5.0	5.0-10.0	10.0-20.0
BASTAR	14	2.35	5.84	0	12 85.71%	2 14.29%	0	0
BILASPUR	70	0.20	19.70	20 28.57%	37 52.86%	8 11.43%	0	0
DHAMTARI	30	0.69	15.25	11 36.67%	12 40.00%	6 20.00%	0	0
DURG	54	0.18	15.59	23 42.59%	20 37.04%	8 14.81%	0	0
JANJGIR - CHAMPA	45	0.88	7.40	18 40.00%	22 48.89%	5 11.11%	0	0
JASHPUR	41	0.45	7.01	2 4.88%	28 68.29%	11 26.83%	0	0
KANKER	3	2.51	5.77	0	2 66.67%	1 33.33%	0	0
KAWARDHA	16	1.10	14.94	2 12.50%	10 62.50%	0	0	0
KORBA	53	0.40	13.47	15 28.30%	33 62.26%	4 7.55%	0	0
KORIYA	22	0.55	7.85	4 18.18%	13 59.09%	5 22.73%	0	0
MAHASAMUND	33	0.50	14.23	6 18.18%	19 57.58%	7 21.21%	0	0
RAIGARH	70	0.75	17.08	16 22.86%	35 50.00%	18 25.71%	0	0
RAIPUR	79	0.26	13.97	23 29.11%	49 62.03%	6 7.59%	0	0
RAJNANDGAON	30	0.78	6.69	12 40.00%	14 46.67%	4 13.33%	0	0
SURGUJA	60	1.36	13.51	3 5.00%	26 43.33%	23 38.33%	0	0
Total	620	0.18	19.70	155	332	25	0	0

Fig 7.3 Depth to Water Level (November'2014)



7.1.4 January 2015

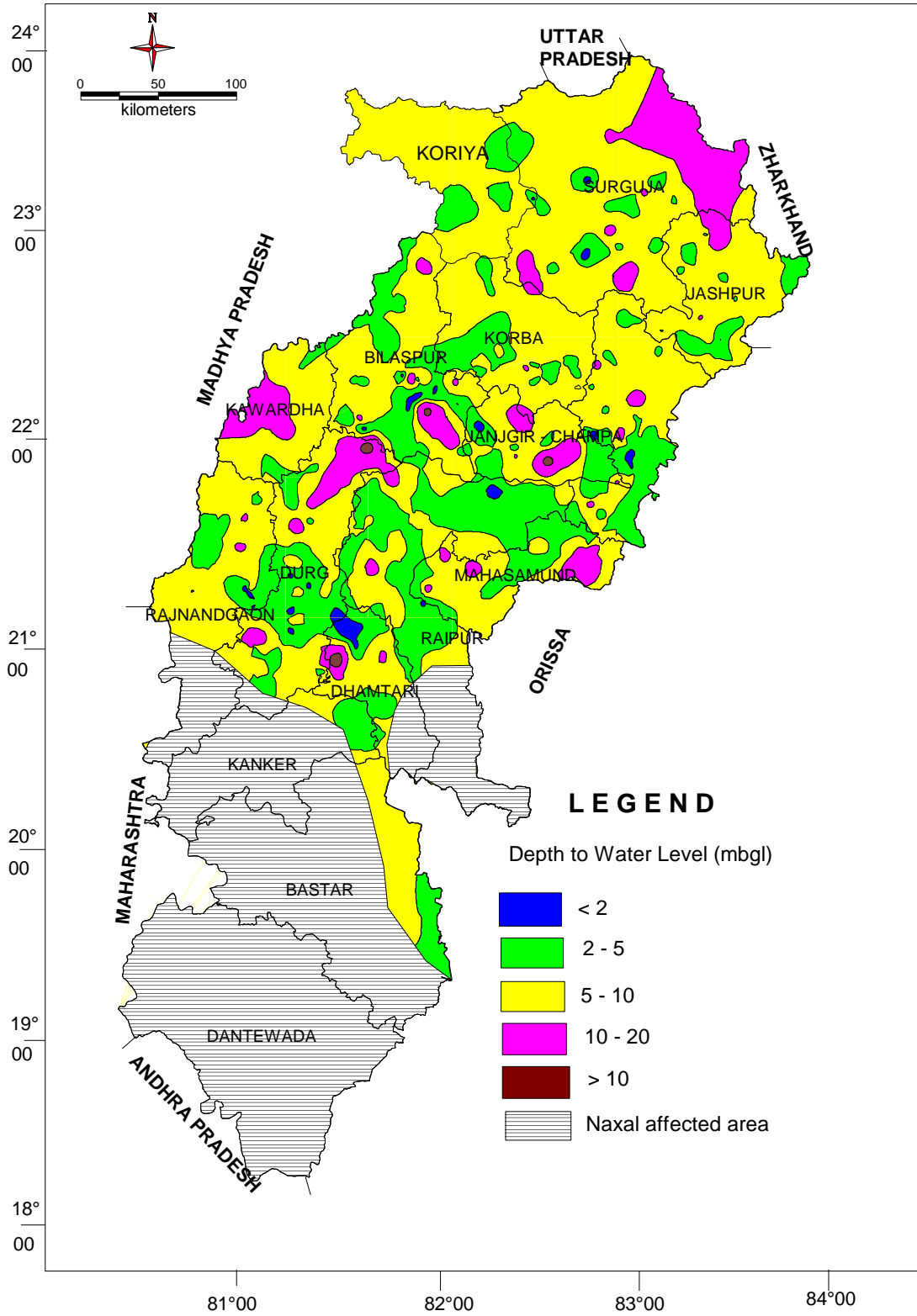
In general, the depth to water level range up to 5 mbgl is observed in approximately 34.04% of the wells and depth to water level range up to 10 mbgl is observed in approximately 50% of the wells in the state. Deeper water levels ranging between 10 and 20 mbgl occur only in 1.15% of the observation wells and mostly in parts of Bilaspur, Durg, Kawardha and Dhamtari districts. The deepest water level of 27.10 m bgl was monitored in Dhamtari observation well (piezometer) of Dhamtari district.

32 numbers of wells (approximately 5.26% of the monitored wells) in the state are showing water levels between 0-2 m bgl in almost all the districts of Chhattisgarh State except Bastar, Kanker, Kawardha & Mahasamund. Water levels in the range of 2-5 m bgl are recorded in about 207 of the observation wells monitored. The highest percentages of wells in this range are in Raipur (56.45%), Kanker (53.85%), Korba (40.91%), Kawardha (40.00%), Koriya (38.89%), Durg (38.46%), Mahasamund(37.04%), Bastar (36.00%) and Bilaspur (35.21%) districts. Nearly 50% of observation wells are exhibiting water level in the range of 5-10 mbgl in most of the districts of the state. The district wise frequency distribution of different ranges of depth to water level are furnished in **Annexure-I and II**. The district wise frequency distributions of different ranges of depth to water level are furnished in **Table 7.4**. Different ranges of depth to water table as observed in January 2015 are represented on a map and appended as **Fig 7.4**

Table 7.4 The district wise distribution of Hydrograph Network Stations in Chhattisgarh along with no. of network stations monitored/not monitored/ / new well establishment in January' 2015

SN	District	No. of GW monitoring wells as on 21.11.2015			No. of wells established in January 2015		No. of monitoring wells as on 11.01.2015			No. of wells monitored in January 2015		No. of wells not monitored in January 2015		Reasons for non monitoring of wells	
		DW	PZ	Total	DW	PZ	DW	PZ	Total	DW	PZ	DW	PZ	Dug well	Piezometers
1	Bastar	42	14	56	0	0	42	14	56	27	5	15	9	Naxalite Affected Area	Naxalite Affected Area
2	Bilaspur	78	17	95	3	0	81	17	98	68	15	13	2		Internal Lock Jam/ Filled up
3	Dhamtari	29	12	41	0	0	29	12	41	20	7	9	5	Naxalite Affected Area	
4	Durg	72	25	97	0	0	72	25	97	67	12	5	13		Internal Lock Jam/ Filled up
5	Janjgir-Champa	42	14	56	0	0	42	14	56	39	13	3	1		Internal Lock Jam/ Filled up
6	Jashpur	61	11	72	0	0	61	11	72	51	8	10	3	Naxalite Affected Area	
7	Kanker	20	3	23	0	0	20	3	23	15	2	5	1	Naxalite Affected Area	Naxalite Affected Area
8	Kawardha	15	10	25	0	0	15	10	25	13	7	2	3	Naxalite Affected Area	Naxalite Affected Area
9	Korba	65	30	95	3	0	68	30	98	56	18	12	12		Internal Lock Jam/ Filled up
10	Koriya	34	6	40	0	0	34	6	40	21	5	13	1	Naxalite Affected Area	Naxalite Affected Area
11	Mahasamund	27	20	47	0	0	27	20	47	21	12	6	8		Internal Lock Jam/ Filled up
12	Raigarh	104	30	134	0	0	104	30	134	77	15	27	15		
13	Raipur	95	42	137	0	0	95	42	137	71	15	24	27	Naxalite Affected Area	Naxalite Affected Area
14	Rajnandgaon	57	8	65	0	0	57	8	65	40	5	17	3	Naxalite Affected Area	Naxalite Affected Area
15	Surguja	78	21	99	0	0	78	21	99	65	13	13	8	Naxalite Affected Area	Naxalite Affected Area
	Total	819	263	1082	6	0	825	263	1088	651	152	174	111		

Fig 7.4 Depth to Water Level (January'2015)



7.2 Water Level Fluctuation

7.2.1 May 2013 Vs May 2014

When compared to water level in May 2013, nearly 33.58% of the observation wells are showing fall in water level in May 2014. Fall of water level in the range of 0-2 m is observed in 25.33 % of the wells distributed in almost all the districts. Fall of water level in the range of 2-4 m is observed in 4.22 % of the wells monitored mostly in Janjgir Champa, Korba, Rajnandgaon and Surguja districts. Fall of water level by more than 4 m fall is observed in 4.03 % of the monitored wells (21 wells) in Bilaspur, Dhamtari, Janjgir-champa, Korba, Mahasamund, Raigarh and Raipur districts. Rise of water level is recorded in nearly 54.51 % of the monitored wells. Rise of water level in the range of 0-2 m, 2-4 m and more than 4 m are observed in 42.80 %, 7.29% and 4.41% of the monitored wells, respectively in the State.

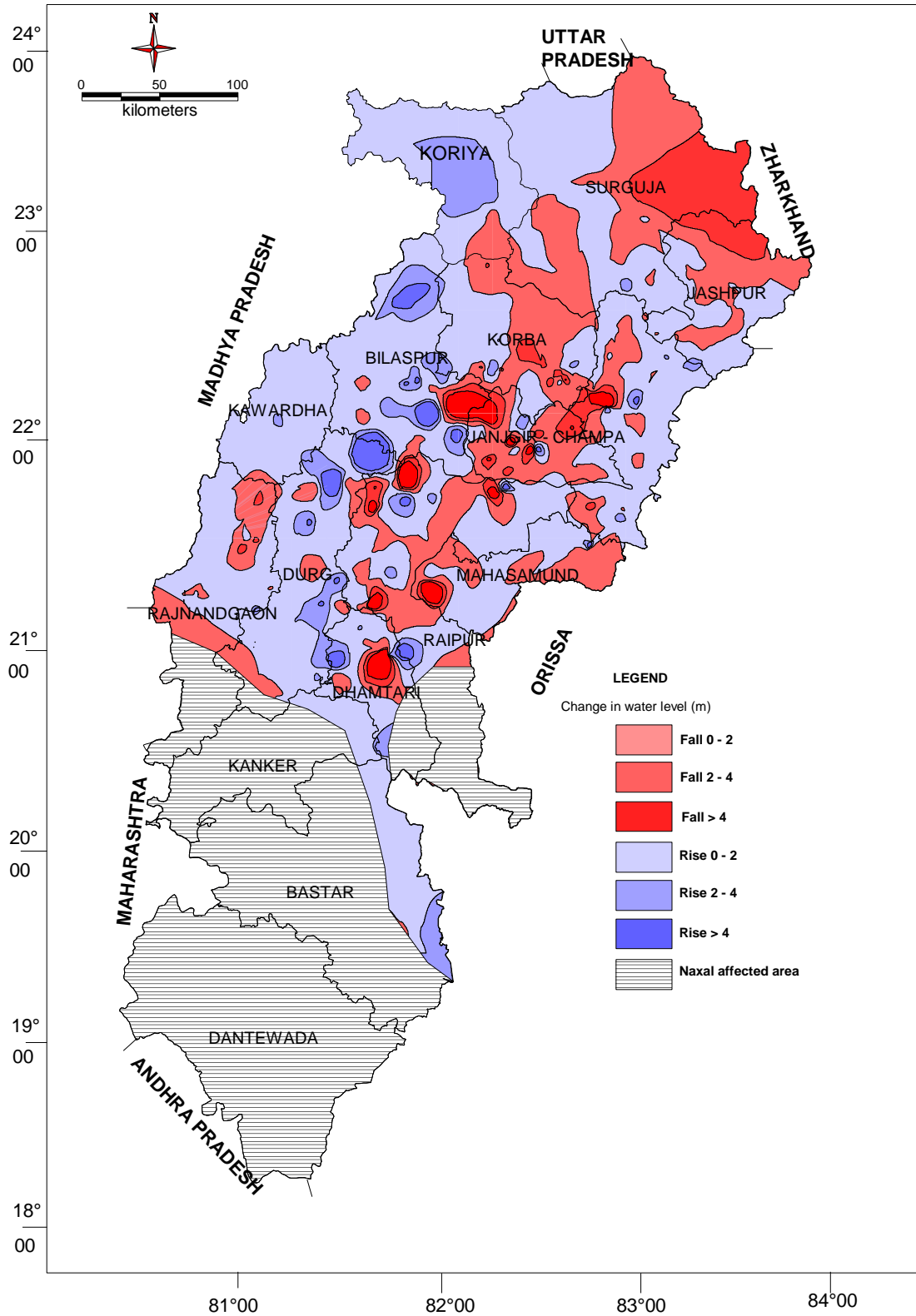
The district wise frequency for different fluctuation ranges is presented in **Table 7.5**.

Different ranges of fluctuation in May 2014 as compared to May 2013 are represented on a map and appended as **Fig 7.5 , Table 7.5**

Table 7.5 District wise frequency for different fluctuation ranges between May 2013 vs May 2014

District	No. of Wells	Range of Fluctuation (m)				No. of Wells/Percentage Showing Fluctuation						Total No. of Wells	
		Rise		Fall		Rise			Fall			Rise	Fall
		Min	Max	Min	Max	0 to 2	2 to 4	>4	0 to 2	2 to 4	>4		
BASTAR	16	0.10	3.64	1.28	1.75	10 62.50%	3 18.75%	0	3 18.75%	0	0	13	3
BILASPUR	70	0.01	8	0.10	11.60	36 51.43%	9 12.86%	7 10.00%	7 10.00%	1 1.43%	1 1.43%	52	9
DHAMTARI	20	0.05	6.50	0.15	1.21	6 30.00%	2 10.00%	2 10.00%	8 40.00%	1 5.00%	0	10	9
DURG	42	0.01	10.1	0.01	1.73	21 50.00%	4 9.52%	5 11.90%	6 14.29%	0	0	30	6
JANJGIR - CHAMPA	45	0.12	5.62	0.08	9.49	11 24.44%	1 2.22%	3 6.67%	13 28.89%	3 6.67%	7 15.56%	15	23
JASHPUR	45	0.10	2.70	0.10	2.90	20 44.44%	1 2.22%	0	14 31.11%	1 2.22%	0	21	15
KANKER	3	0.10	3.20	0.22	0.22	1 33.33%	1 33.33%	0	1 33.33%	0	0	2	1
KAWARDHA	10	0.26	4.46	0	0	7 70.00%	1 10.00%	1 10.00%	0	0	0	9	0
KORBA	47	0.28	4.00	0.2	5.20	18 38.30%	5 10.64%	0	10 21.28%	8 17.02%	2 4.26%	23	20
KORIYA	5	0.10	2.70	0.4	0.40	2 40.00%	1 20.00%	0	1 20.00%	0	0	3	1
MAHASAMUND	30	0.03	7.19	0.01	0.2	12 40.00%	3 10.00%	1 3.33%	13 36.67%	1 3.33%	0	16	14
RAIGARH	68	0.01	4.78	0.01	12.8	28 41.18%	3 4.41%	1 1.47%	21 30.88%	1 1.47%	4 6.89%	32	26
RAIPUR	56	0.08	6.48	0.10	1.17	25 44.64%	2 3.57%	3 5.36%	15 25.00%	1 1.79%	4 7.14%	30	20
RAJNANDGAO N	22	0.05	3.13	0.04	2.83	11 50.00%	1 4.55%	0	6 27.27%	3 13.64%	0	12	9
SURGUJA	42	0.05	2.54	0.05	3.50	15 35.71%	1 2.38%	0	19 45.24%	2 4.76%	0	16	21
Total	521	0.01	10.10	0.1	12.80	223	38	23	132	22	21	284	177

Fig 7.5 Water level fluctuation (May'2013 Vs May'2014)



7.2.2 August 2013 vs August 2014

When compared to water level in August 2013, nearly 43.86% of the observation wells are showing rise in water level in August' 2014. Rise of water level in the range of 0-2 m is observed in 36.05 % of the wells distributed in almost all the districts except Kanker district. Rise of water level in the range of 2-4 m is observed in 5.57 % of the wells monitored mostly in Kanker, Korba, Jashpur, Raigarh and Surguja districts. Rise of water level by more than 4 m fall is observed in 2.23 % of the monitored wells (12 wells) in Korba, Durg, Jashpur, Raigarh and Surguja districts. Fall of water level is recorded in nearly 55.39% of the monitored wells. Fall of water level in the range of 0-2 m, 2-4 m and more than 4 m are observed in 47.21 %, 5.76% and 2.41% of the monitored wells, respectively in the State.

The district wise frequency for different fluctuation ranges is presented in **table 7.6**. Different ranges of fluctuation in Aug 2014 as compared to Aug 2013 are represented on a map and appended as **Fig 7.6**.

7.2.3 November 2013 vs November 2014

When compared to water level in November 2013, nearly 69% of the observation wells are showing rise in water level in November' 2014. Rise of water level in the range of 0-2 m is observed in 57 % of the wells distributed in almost all the districts except Kanker district. Rise of water level in the range of 2-4 m is observed in 9 % of the wells monitored mostly in Raipur, Raigarh Korba, and Janjgir-Champa districts. Rise of water level by more than 4 m fall is observed in 3 % of the monitored wells. Fall of water level is recorded in nearly 31% of the monitored wells. Fall of water level in the range of 0-2 m, 2-4 m and more than 4 m are observed in 26%, 3% and 2% of the monitored wells, respectively in the State.

The district wise frequency for different fluctuation ranges is presented in **Table 7.7**. Different ranges of fluctuation in Nov' 2014 as compared to Nov' 2013 are represented on a map and appended as **Fig. 7.7**.

7.2.4 January 2014 vs January 2015

When compared to water level in January 2014, nearly 28.30% of the observation wells are showing rise in water level in January' 2015. Rise of water level in the range of 0-2 m is observed in 23.32 % of the wells distributed in almost all the districts except Kanker district. Rise of water level in the range of 2-4 m is observed in 3.60 % of the wells monitored mostly in Bilaspur, Raipur, Raigarh, Korba, and Surguja districts. Rise of water level by more than 4 m fall is observed in 1.37 % of the monitored wells. Fall of water level is recorded in nearly 70.32% of the monitored wells. Fall of water level in the range of 0-2 m, 2-4 m and more than 4 m are observed in 50.08%, 14.23% and 6.03% of the monitored wells, respectively in the State.

The district wise frequency for different fluctuation ranges is presented in **Table 7.8**. Different ranges of fluctuation in January 2015 as compared to January 2014 are represented on a map and appended as **Fig 7.8**

Table 7.6 District wise frequency for different fluctuation ranges between Aug 2013 vs Aug 2014

District	No. of Wells	Range of Fluctuation (m)				No. of Wells/Percentage Showing Fluctuation						Total No. of Wells	
		Rise		Fall		Rise			Fall			Rise	Fall
		Min	Max	Min	Max	0 to 2	2 to 4	>4	0 to 2	2 to 4	>4		
BASTAR	17	0.15	1.87	0.10	4.00	14 82.35%	0	0	2 11.76%	1 5.88%	0	14	3
BILASPUR	74	0.02	7.32	0.02	13.73	23 31.08%	1 1.35%	1 1.35%	44 59.46%	3 4.05%	2 2.7%	25	49
DHAMTARI	21	0.06	2.07	0.25	2.80	9 42.86%	1 4.76%	0	7 33.33%	4 19.05%	0	10	11
DURG	46	0.01	9.17	0.01	4.22	15 32.61%	2 4.35%	1 2.17%	24 52.17%	2 4.35%	1 2.17%	18	27
JANJGIR - CHAMPA	46	0.02	2.10	0.10	1.68	12 26.09%	1 2.17%	0	33 71.74%	0	0	13	33
JASHPUR	47	0.01	6.00	0.10	2.52	22 46.81%	6 12.77%	2 4.26%	16 34.04%	1 2.13%	0	30	17
KANKER	3	2.24	2.24	0.20	1.67	0	1 33.33%	0	2 66.67%	0	0	1	2
KAWARDHA	12	0.16	0.61	0.23	13.84	3 25.00%	0	0	7 58.33%	1 8.33%	1 8.33%	3	9
KORBA	48	0.02	4.09	0.03	2.69	18 37.50%	4 8.33%	2 4.17%	22 45.83%	2 4.17%	0	24	24
KORIYA	13	0.83	1.41	0.07	3.88	4 30.77%	0	0	5 38.46%	3 23.08	0	4	8
MAHASAMUND	21	0.07	0.80	0.19	12.73	4 19.05%	0	0	11 52.38%	3 14.29%	3 14.29%	4	17
RAIGARH	53	0.05	7.54	0.01	2.04	25 47.17%	9 16.98%	9 5.66%	15 28.30%	1 1.89%	0	37	16
RAIPUR	55	0.09	5.86	0.02	3.21	22 40.00%	0	0	29 52.73%	3 5.45%	0	23	32
RAJNANDGAON	29	0.05	2.25	0.05	5.60	4 13.79%	1 3.45%	1 1.82%	16 55.17%	4 13.79%	2 6.90%	5	22
SURGUJA	53	0.11	5.50	0.02	8.90	19 35.85%	4 7.55%	4 3.77%	21 39.62%	3 5.66%	4 7.55%	25	28
Total	538	2.24	9.17	0.01	13.84	194	30	12	254	31	13	236	298

Table 7.7 District wise frequency for different fluctuation ranges between November 2013 vs November 2014

District	No. of Wells	Range of Fluctuation (m)				No. of Wells/Percentage Showing Fluctuation						Total No. of Wells	
		Rise		Fall		Rise			Fall			Rise	Fall
		Min	Max	Min	Max	0 to 2	2 to 4	>4	0 to 2	2 to 4	>4		
BASTAR	14	0.12	1.03	0.06	0.85	3 21.43%	0	0	9 64.29%	0	0	3	9
BILASPUR	69	0.02	7.35	0.01	4.35	48 69.57%	5 7.25%	1 1.45%	12 17.39%	1 1.45%	1 1.45%	54	14
DHAMTARI	25	0.02	14.88	0.40	8.91	21 84.00%	0	1 4.00%	2 8.00%	0	1 4.00%	22	3
DURG	54	0.01	7.42	0.02	2.02	40 74.07%	4 7.41%	1 1.85%	8 14.81%	1 1.85%	0	45	9
JANJGIR - CHAMPA	44	0.11	5.39	0.04	5.70	25 56.82%	7 15.91%	3 6.82%	8 18.18%	0	1 2.27%	35	9
JASHPUR	39	0.02	1.60	0.07	3.48	20 51.28%	0	0	16 41.03%	2 5.13%	0	20	18
KANKER	3	-	-	0.33	3.27	0	0	0	2 66.67%	1 33.33%	0	0	3
KAWARDHA	15	0.36	1.64	0.13	7.60	7 46.67%	0	0	7 46.67%	0	1 6.67%	7	8
KORBA	51	0.11	7.21	0.18	5.88	28 54.90%	10 19.61%	2 3.92%	7 13.73%	1 1.96%	2 3.92%	40	10
KORIYA	15	0.01	1.69	0.12	2.15	7 46.67%	0	0	7 46.67%	1 6.67%	0	7	8
MAHASAMUND	33	0.05	16.30	0.01	3.91	19 57.58%	3 9.09%	2 6.06%	8 24.24%	1 3.03%	0	24	9
RAIGARH	70	0.04	16.26	0.05	8.33	41 58.57%	7 10.00%	3 4.29%	14 20.00%	4 5.71%	1 1.43%	51	19
RAIPUR	79	0.04	4.75	0.08	4.63	46 58.23%	9 11.39%	2 2.53%	20 25.32%	1 1.27%	1 1.27%	57	22
RAJNANDGAON	30	0.02	5.85	0.05	2.40	17 56.67%	2 6.67%	1 3.33%	9 30.00%	1 3.33%	0	20	10
SURGUJA	59	0.01	8.19	0.03	10.28	19 32.20%	4 6.78%	2 3.39%	28 47.46%	4 6.78%	2 3.39%	25	34
Total	600	0.01	16.30	0.01	10.28	341	51	18	157	18	10	410	185

Table 7.8 District wise frequency for different fluctuation ranges between January 2014 vs January 2015

District	No. of Wells	Range of Fluctuation (m)				No. of Wells/Percentage Showing Fluctuation						Total No. of Wells	
		Rise		Fall		Rise			Fall			Rise	Fall
		Min	Max	Min	Max	0 to 2	2 to 4	>4	0 to 2	2 to 4	>4		
BASTAR	18	0.04	0.67	0.57	7.08	4 22.22%	0	0	8 44.44%	4 22.22%	2 11.11%	4	14
BILASPUR	71	0.01	9.27	0.02	5.29	20 28.17%	5 7.04%	1 1.41%	35 49.30%	5 7.04%	3 4.23%	26	43
DHAMTARI	23	0.23	0.91	0.26	2.41	3 13.04%	0	0	17 73.91%	3 13.04%	0	3	20
DURG	52	0.04	9.49	0.03	8.02	12 23.08%	1 1.92%	3 5.77%	21 40.38%	10 19.23%	3 5.77%	16	34
JANJGIR - CHAMPA	47	0.80	4.65	0.06	10.40	5 10.64%	1 2.13%	1 2.13%	24 51.06%	10 21.28%	6 12.77%	7	40
JASHPUR	50	0.14	1.48	0.24	5.05	6 12.00%	0	0	26 52.00%	15 30.00%	3 6.00%	6	44
KANKER	3	-	-	0.87	3.68	0	0	0	2 66.67%	1 33.33%	0	0	3
KAWARDHA	14	0.42	0.42	0.25	2.97	1 7.14%	0	0	9 64.29%	3 21.43%	0	1	12
KORBA	44	0.05	2.57	0.05	5.39	14 31.82%	3 6.82%	0	22 50.00%	4 9.09%	1 2.27%	17	27
KORIYA	17	0.13	1.53	0.12	2.48	9 52.94%	0	0	5 29.41%	1 5.88%	0	9	6
MAHASAMUND	27	0.18	1.65	0.24	8.41	6 22.22%	0	0	18 66.67%	1 3.70%	2 7.41%	6	21
RAIGARH	61	0.02	9.59	0.15	7.18	9 14.75%	3 4.92%	2 3.28%	27 44.26%	13 21.31%	7 11.48%	14	47
RAIPUR	61	0.08	3.87	0.03	5.17	17 27.87%	4 6.56%	0	31 50.82%	7 11.48%	2 3.28%	21	40
RAJNANDGAON	31	0.08	4.18	0.02	5.85	8 25.81%	1 3.23%	1 3.23%	15 38.39%	2 6.45%	3 9.68%	10	20
SURGUJA	64	0.04	3.73	0.03	7.30	22 34.38%	3 4.69%	0	32 50.00%	4 6.25%	3 4.69%	25	39
Total	583	0.01	9.59	0.02	10.40	136	21	8	292	83	35	165	410

Fig 7.6 Water level fluctuation(August' 2013 Vs August' 2014)

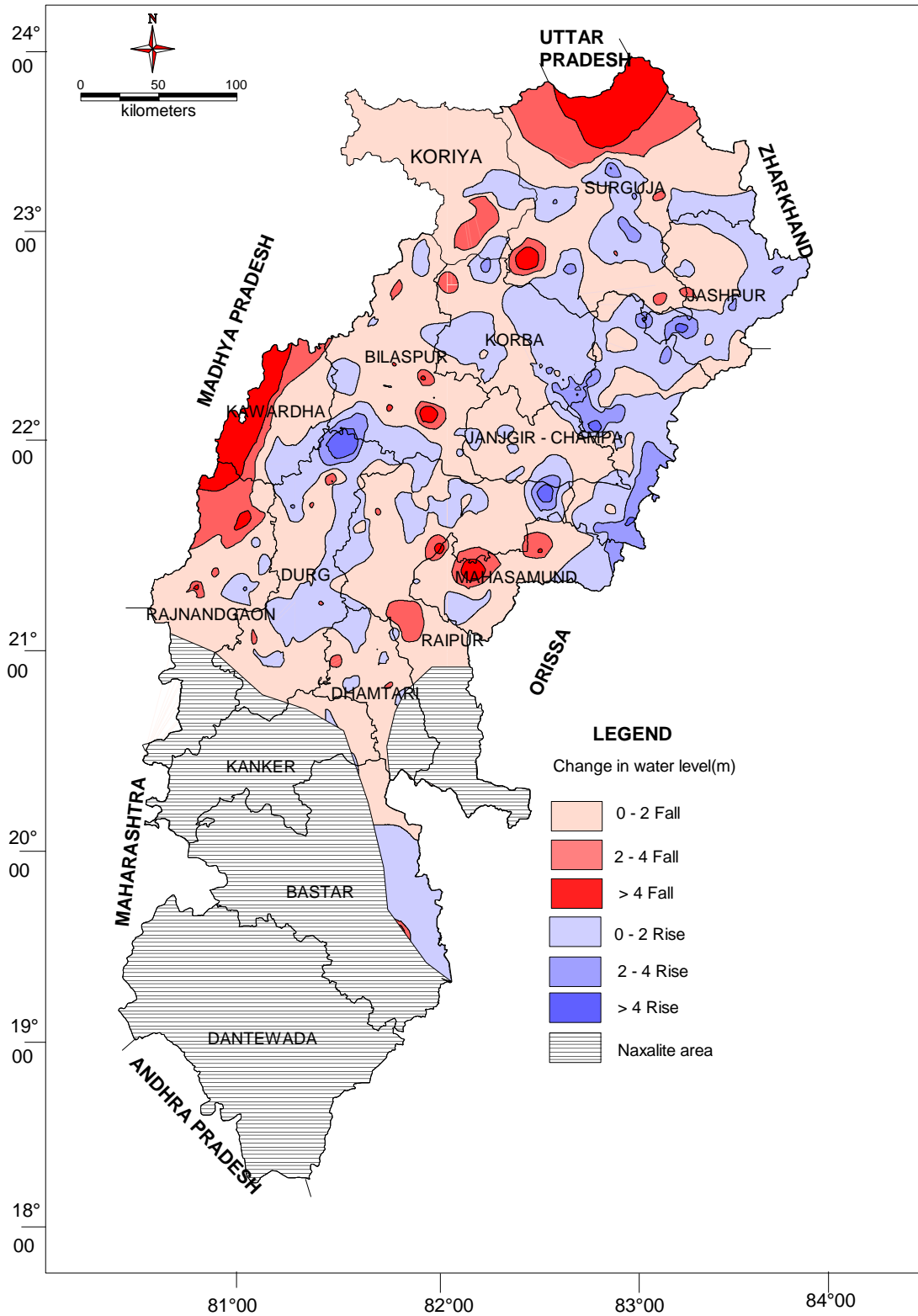


Fig 7.7 Water Level Fluctuation(November'2013 Vs November'2014)

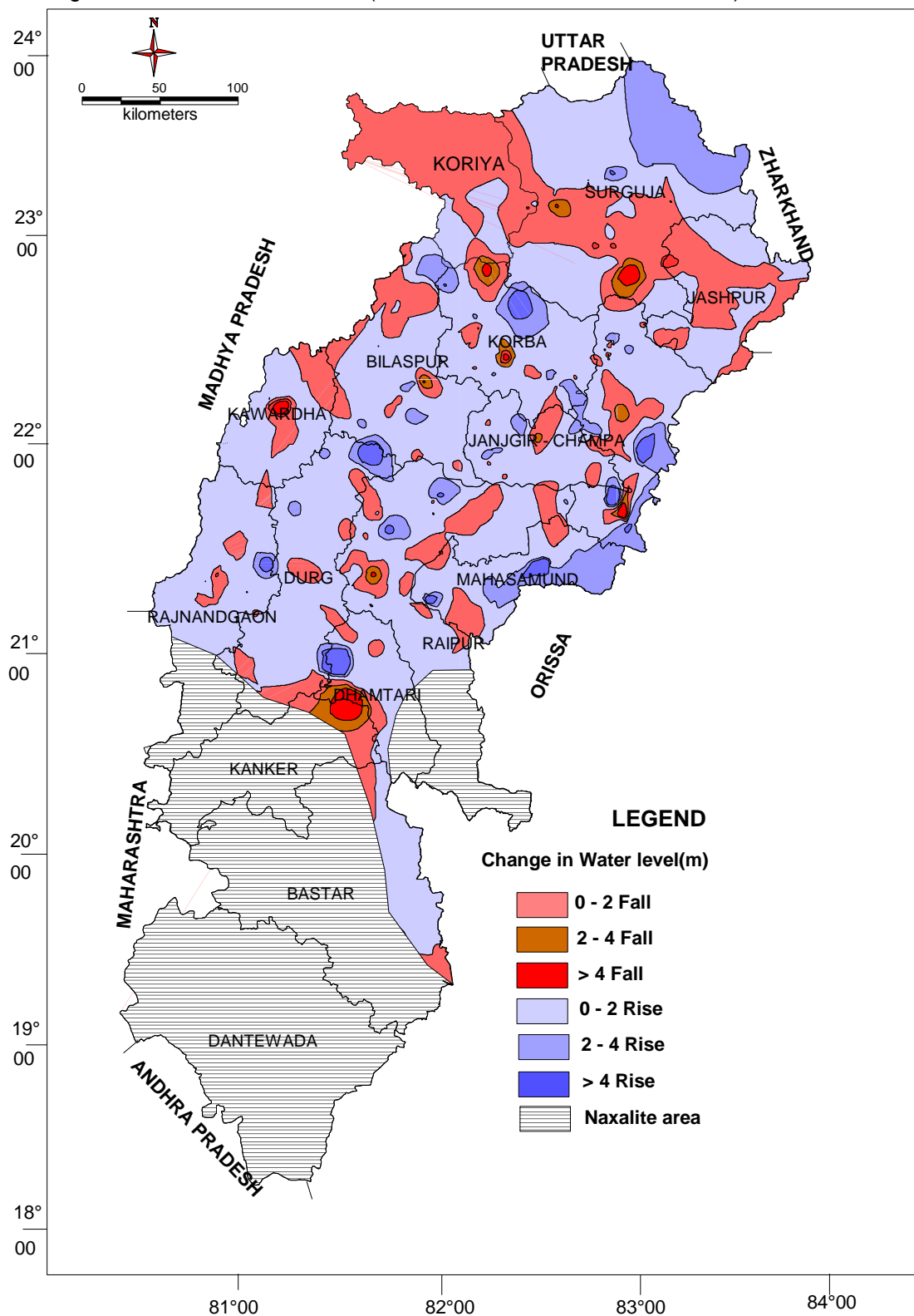
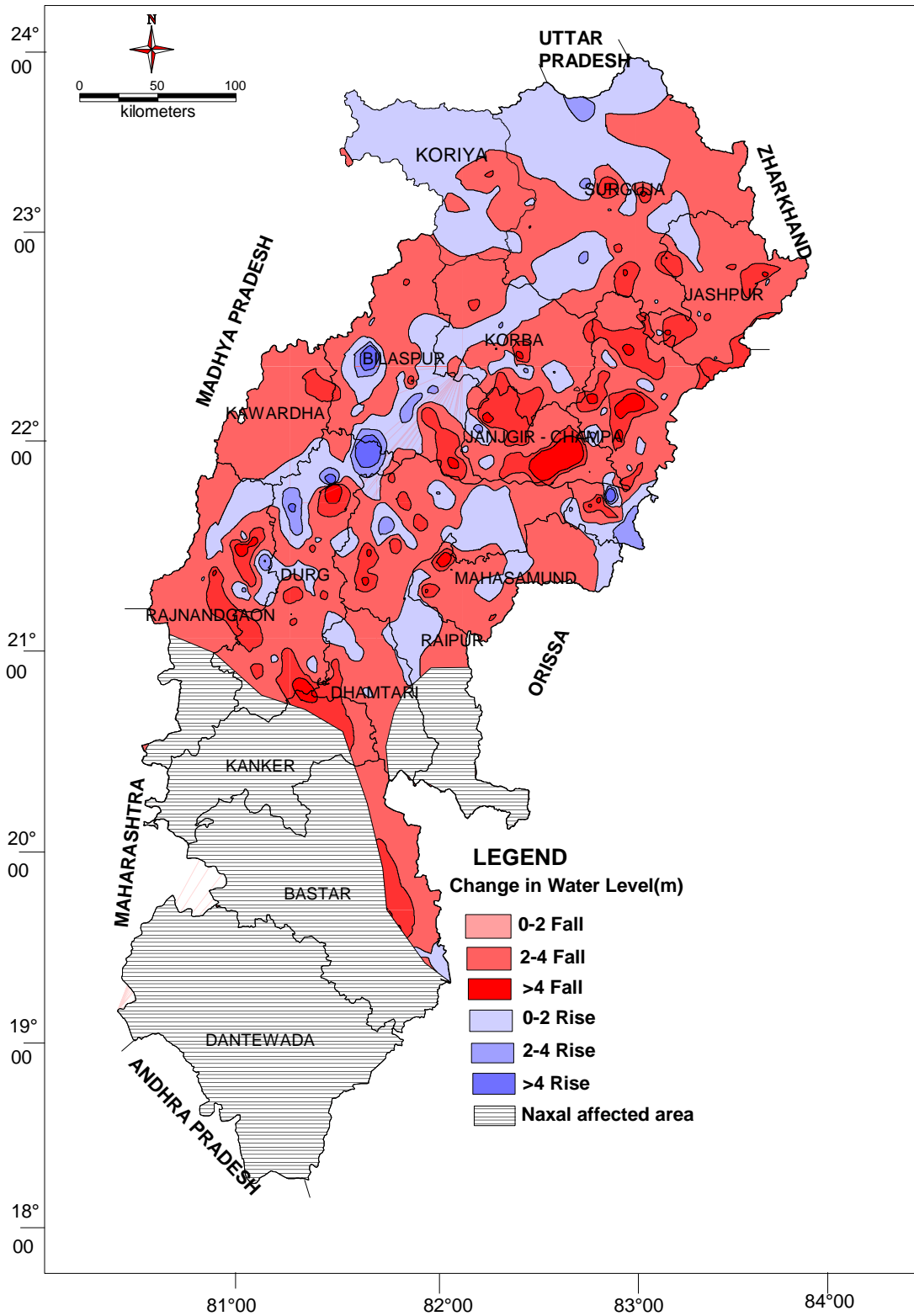


Fig 7.8 Water Level Fluctuation(January'2014 Vs January'2015)



Water Level Fluctuation with Reference To Pre monsoon Water Level

7.3.1 May 2014 vs August 2014

There is mostly a rise in water levels in August' 2014 when compared with the water levels of May, 2014. About 98% of the monitored wells exhibits rise in the water level. Out of this, about 14% of the monitored wells exhibits rise of water level in the range of 0-2 m covering parts of almost all the districts except Kanker district. In 27 % of the monitored wells, the water levels show rise in the range of 2-4 m covering parts of all the districts monitored while the remaining 57 % of the observation wells also show rise of more than 4 m covering parts of all the districts monitored. Fall of water level as compared to May'14 is observed in about 2% of the observation wells monitored. Most of the wells exhibit fall in the range of 0-2m.

The district wise frequency for different fluctuation ranges is presented in **Table 7.9**. Fluctuation of water level (May' 2014 vs Aug' 2014) is represented on a map appended as **fig 7.9**.

7.2.5 May 2014 Vs November 2014

There is mostly a rise in water level in November 2014 when compared to water level in May,2014. About 95.45% of the monitored wells exhibit rise in the water level. Out of this, about 27.68% of the monitored wells exhibit rise in the water level in the range of 0-2 m in parts of all the districts. In 32.85 % of the monitored wells the water levels show rise in the range of 2-4 m in most of the districts while the remaining 34.91% of the observation wells show rise of more than 4 m mostly in Bilaspur,Dhamtari, ,Janjgir-champa, Jashpur, Korba,,Raigarh Raipur, Durg etc. Fall of water level as compared to May'14 is observed in about 3.92% of the observation wells monitored. Most of the wells exhibit fall in the range of 0-2m.

The district wise distribution of different fluctuation ranges is presented in **Table 7.10** and is also shown in **Fig. 7.10**.

7.2.6 May 2014 vs January 2015

The water levels in nearly 78.41% of the observation wells were showing a rise for the month of January 2015 in comparison to that of the water levels measured during the month of May 2014. The rise in water levels in the range of 0 to 2 m was observed in nearly 54.27% of the observations wells and in 15.38% of the observation wells it was in the range of 2 to 4 m. The rise of more than 4 m was recorded in 8.76% of wells. The fall in water levels was recorded in 19.23 % of the observation wells in Dhamtari and Bilaspur, districts.

The district wise distribution of different fluctuation ranges is presented in **Table 7.11** and is also shown in **Fig. 7.11**.

Table 7.9 District Wise - Fluctuation and Frequency Distribution From Different Ranges from One Period to Other May 2013 vs Aug 2013

SN	District	No. of Wells	No of wells Range of Fluctuation (m)				No. of Wells/Percentage Showing Fluctuation								
			Rise		Fall		Rise			Fall			Total No. of Wells		
			Min	Max	Min	Max	0 to 2	2 to 4	>4	0 to 2	2 to 4	>4	Rise	Fall	
1	Bastar	15	2.10	8.05	-	-	0	6	9	0	0	0	15	0	
							0.00	40.00	60.00	0.00	0.00	0.00	100.00	0.00	
2	Bilaspur	71	0.70	28.15	2.70	2.70	9	15	46	0	1	0	70	1	
							12.68	21.13	64.79	0.00	1.41	0.00	98.59	1.41	
3	Dhamtari	19	1.15	16.27	-	-	3	2	14	0	0	0	19	0	
							15.79	10.53	73.68	0.00	0.00	0.00	100.00	0.00	
4	Durg	66	1.08	17.76	-	-	13	7	46	0	0	0	66	0	
							19.70	10.61	69.70	0.00	0.00	0.00	100.00	0.00	
5	Janjgir - champa	43	0.78	19.72	-	-	6	15	22	0	0	0	43	0	
							13.95	34.88	51.16	0.00	0.00	0.00	100.00	0.00	
6	Jashpur	53	0.50	8.35	0.75	0.95	3	20	28	2	0	0	51	2	
							5.66	37.74	52.83	3.77	0.00	0.00	96.23	3.77	
7	Kanker	3	3.07	6.70	-	-	0	1	2	0	0	0	3	0	
							0.00	33.33	66.67	0.00	0.00	0.00	100.00	0.00	
8	Kawardha	13	1.26	17.26	-	-	1	2	10	0	0	0	13	0	
							7.69	15.38	76.92	0.00	0.00	0.00	100.00	0.00	
9	Korba	40	0.07	9.21	0.41	1.73	6	15	17	2	0	0	38	2	
							15.00	37.50	42.50	5.00	0.00	0.00	95.00	5.00	
10	Koriya	8	4.29	12.08	0.08	0.08	0	0	7	1	0	0	7	1	
							0.00	0.00	87.50	12.50	0.00	0.00	87.50	12.50	
11	Mahasamund	27	1.60	18.30	-	-	2	1	24	0	0	0	27	0	
							7.41	3.70	88.89	0.00	0.00	0.00	100.00	0.00	
12	Raigarh	92	0.23	30.81	-	-	17	30	45	0	0	0	92	0	
							18.48	32.61	48.91	0.00	0.00	0.00	100.00	0.00	
13	Raipur	68	0.16	14.23	-	-	6	9	53	0	0	0	68	0	
							8.82	13.24	77.94	0.00	0.00	0.00	100.00	0.00	
14	Rajnandgaon	30	1.50	11.83	-	-	2	3	25	0	0	0	30	0	
							6.67	10.00	83.33	0.00	0.00	0.00	100.00	0.00	
15	Surguja	57	0.60	16.10	-	-	3	20	34	0	0	0	57	0	
							5.26	35.09	59.65	0.00	0.00	0.00	100.00	0.00	
	Total	605	0.07	19.72	0.08	2.7	71	146	382	5	1	0	599	6	
							11.57	24.13	63.14	0.83	0.17	0	98.84	0.99	

Table 7.10 District Wise - Fluctuation and Frequency Distribution From Different Ranges from One Period to Other May 2013 Vs Nov 2013

District	No. of Wells	Range of Fluctuation (m)				No. of Wells/Percentage Showing Fluctuation								
		Rise		Fall		Rise			Fall			Total No. of Wells		
		Min	Max	Min	Max	0 to 2	2 to 4	>4	0 to 2	2 to 4	>4	Rise	Fall	
BASTAR	20	0.90	5.87	0.81	0.81	3	7	9	1	0	0	19	1	
						15	35	45	5	0	0	95	5	
BILASPUR	78	0.25	18.01	0.16	2.10	16	25	32	4	1	0	73	5	
						20.51	32.05	41.03	5.13	1.28	0.00	93.59	6.41	
DHAMTARI	24	0.84	10.09	0.07	0.27	4	9	8	3	0	0	21	3	
						16.67	37.50	33.33	12.50	0.00	0.00	87.50	12.50	
DURG	82	0.01	19.80	-	-	17	20	45	0	0	0	82	0	
						20.73	24.39	54.88	0.00	0.00	0.00	100.00	0.00	
JANJGIR - CHAMPA	48	0.26	15.47	0.01	0.90	16	13	15	4	0	0	44	4	
						33.33	27.08	31.25	8.33	0.00	0.00	91.67	8.33	
JASHPUR	53	1.00	10.00	0.40	0.40	17	27	8	1	0	0	52	1	
						32.08	50.94	15.09	1.89	0.00	0.00	98.11	1.89	
KANKER	5	2.35	7.54	-	-	0	2	3	0	0	0	5	0	
						0.00	40.00	60.00	0.00	0.00	0.00	100.00	0.00	
KAWARDHA	19	0.82	10.60	-	-	1	5	13	0	0	0	19	0	
						5.26	26.32	68.42	0.00	0.00	0.00	100.00	0.00	
KORBA	57	0.89	7.10	0.31	2.10	11	23	19	3	1	0	53	4	
						19.30	40.35	33.33	5.26	1.75	0.00	92.98	7.02	
KORIYA	8	0.72	7.93	-	-	2	2	4	0	0	0	8	0	
						25.00	25.00	50.00	0.00	0.00	0.00	100.00	0.00	
MAHASAMUND	36	0.21	13.33	0.53	0.53	6	6	23	1	0	0	35	1	
						16.67	16.67	63.89	2.78	0.00	0.00	97.22	2.78	
RAIGARH	97	0.10	27.55	1.10	3.25	38	28	28	1	2	0	94	3	
						39.18	28.87	28.87	1.03	2.06	0.00	96.91	3.09	
RAIPUR	81	0.19	11.50	0.06	0.55	20	20	37	4	0	0	77	4	
						24.69	24.69	45.68	4.94	0.00	0.00	95.06	4.94	
RAJNANDGAON	32	0.23	9.40	-	-	4	10	18	0	0	0	32	0	
						12.50	31.25	56.25	0.00	0.00	0.00	100.00	0.00	
SURGUJA	61	0.50	15.11	0.80	1.82	17	23	18	3	0	0	58	3	
						27.87	37.70	29.51	4.92	0.00	0.00	95.08	4.92	
Total	701	0.01	5.87	0.01	3.25	172	220	280	25	4	0	672	29	
						24.54	31.38	39.94	3.57	0.57	0.00	95.86	4.14	

Table 7.11 District Wise - Fluctuation and Frequency Distribution From Different Ranges from One Period to Other May 2013 vs Jan 2014

S.N.	District Name	No. of Wells	Range of Fluctuation (m)				No. of Wells/Percentage Showing Fluctuation						Total No. of Wells	
			Rise		Fall		Rise			Fall			Rise	Fall
			Min	Max	Min	Max	0 to 2	2 to 4	>4	0 to 2	2 to 4	>4		
1	BASTAR	20	1.00	5.10	0.32	1.60	4	11	3	2	0	0	18	2
							20	55	15	10	0	0	90	10
2	BILASPUR	82	0.11	13.06	0.33	9.60	28	29	18	5	1	1	75	7
							34.15	35.37	21.95	6.10	1.22	1.22	91.46	8.54
3	DHAMTARI	24	0.40	8.91	0.05	1.96	6	4	7	7	0	0	17	7
							25.00	16.67	29.17	29.17	0.00	0.00	70.83	29.17
4	DURG	84	0.10	9.79	0.19	0.95	31	26	24	3	0	0	81	3
							36.90	30.95	28.57	3.57	0.00	0.00	96.43	3.57
5	JANJGIR - CHAMPA	49	0.26	11.12	0.14	4.00	22	10	9	6	2	0	41	8
							44.90	20.41	18.37	12.24	4.08	0.00	83.67	16.33
6	JASHPUR	53	0.25	9.87	0.03	0.59	22	21	7	3	0	0	50	3
							41.51	39.62	13.21	5.66	0.00	0.00	94.34	5.66
7	KANKER	5	1.16	6.43	-	-	1	2	2	0	0	0	5	0
							20.00	40.00	40.00	0.00	0.00	0.00	100.00	0.00
8	KAWARDHA	21	0.55	9.52	-	-	12	7	2	0	0	0	21	0
							57.14	33.33	9.52	0.00	0.00	0.00	100.00	0.00
9	KORBA	59	0.07	6.38	0.78	2.45	18	28	8	3	2	0	54	5
							30.51	47.46	13.56	5.08	3.39	0.00	91.53	8.47
10	KORIYA	8	0.63	4.74	-	-	2	5	1	0	0	0	8	0
							25.00	62.50	12.50	0.00	0.00	0.00	100.00	0.00
11	MAHASAMUNDA	36	0.13	13.05	0.80	1.74	8	15	10	3	0	0	33	3
							22.22	41.67	27.78	8.33	0.00	0.00	91.67	8.33
12	RAIGARH	97	0.05	17.34	0.02	3.37	40	30	20	5	2	0	90	7
							41.24	30.93	20.62	5.15	2.06	0.00	92.78	7.22
13	RAIPUR	81	0.02	11.40	0.04	2.36	23	21	23	13	1	0	67	14
							28.40	25.93	28.40	16.05	1.23	0.00	82.72	17.28
14	RAJNANDGAON	32	0.03	9.01	0.29	0.29	10	13	8	1	0	0	31	1
							31.25	40.63	25.00	3.13	0.00	0.00	96.88	3.13
15	SURGUJA	62	0.09	8.30	0.20	2.10	29	15	10	6	1	0	54	7
							46.77	24.19	16.13	9.68	1.61	0.00	87.10	11.29
	Total	713	0.02	17.34	0.02	9.6	257	237	152	57	9	1	646	67
							36.04	33.24	21.32	7.99	1.26	0.14	90.60	9.40

Fig 7.9 Water level fluctuation(May'2014 Vs August'2014)

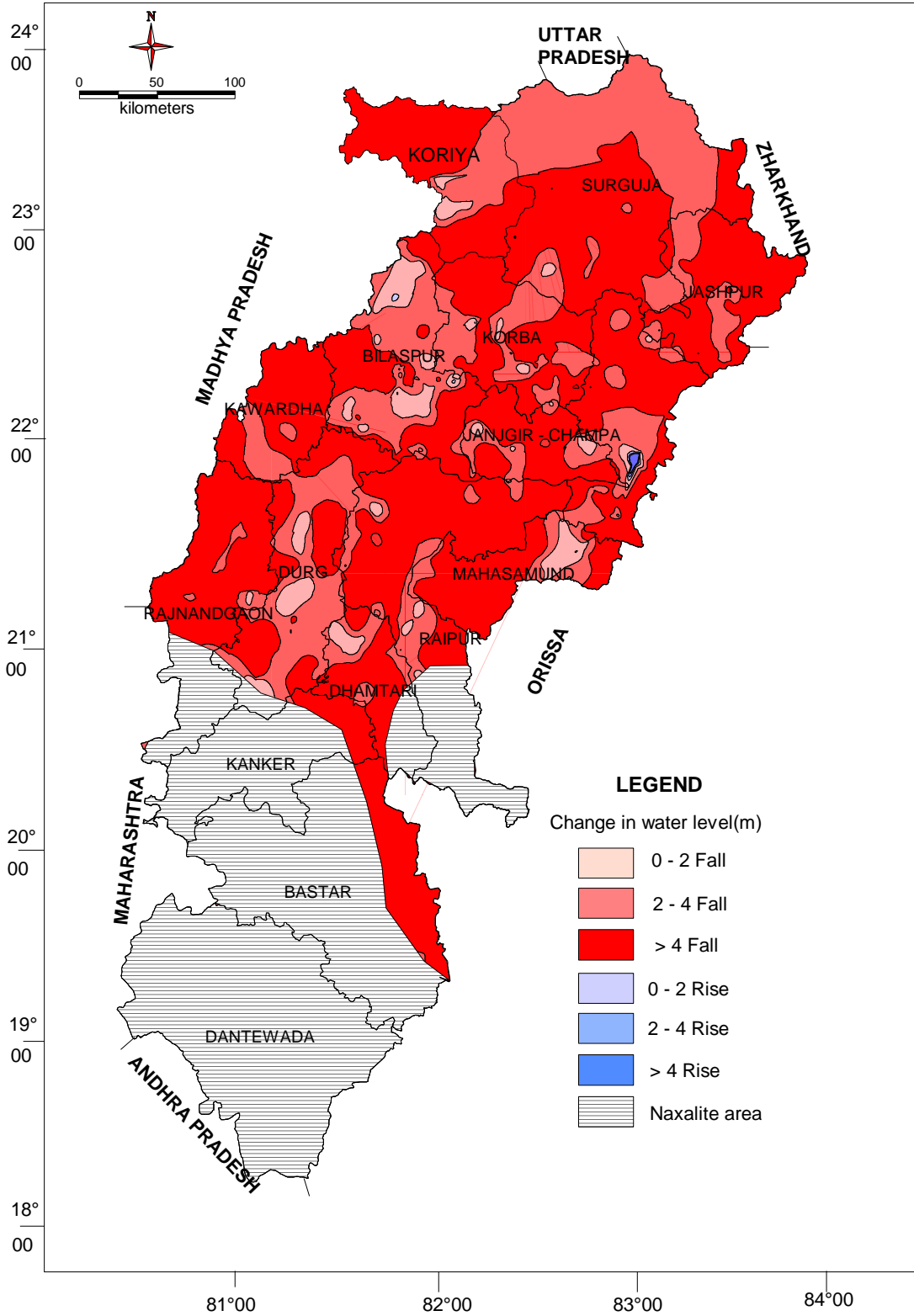


Fig 7.10 Water Level Fluctuation (May'14 Vs Nov'14)

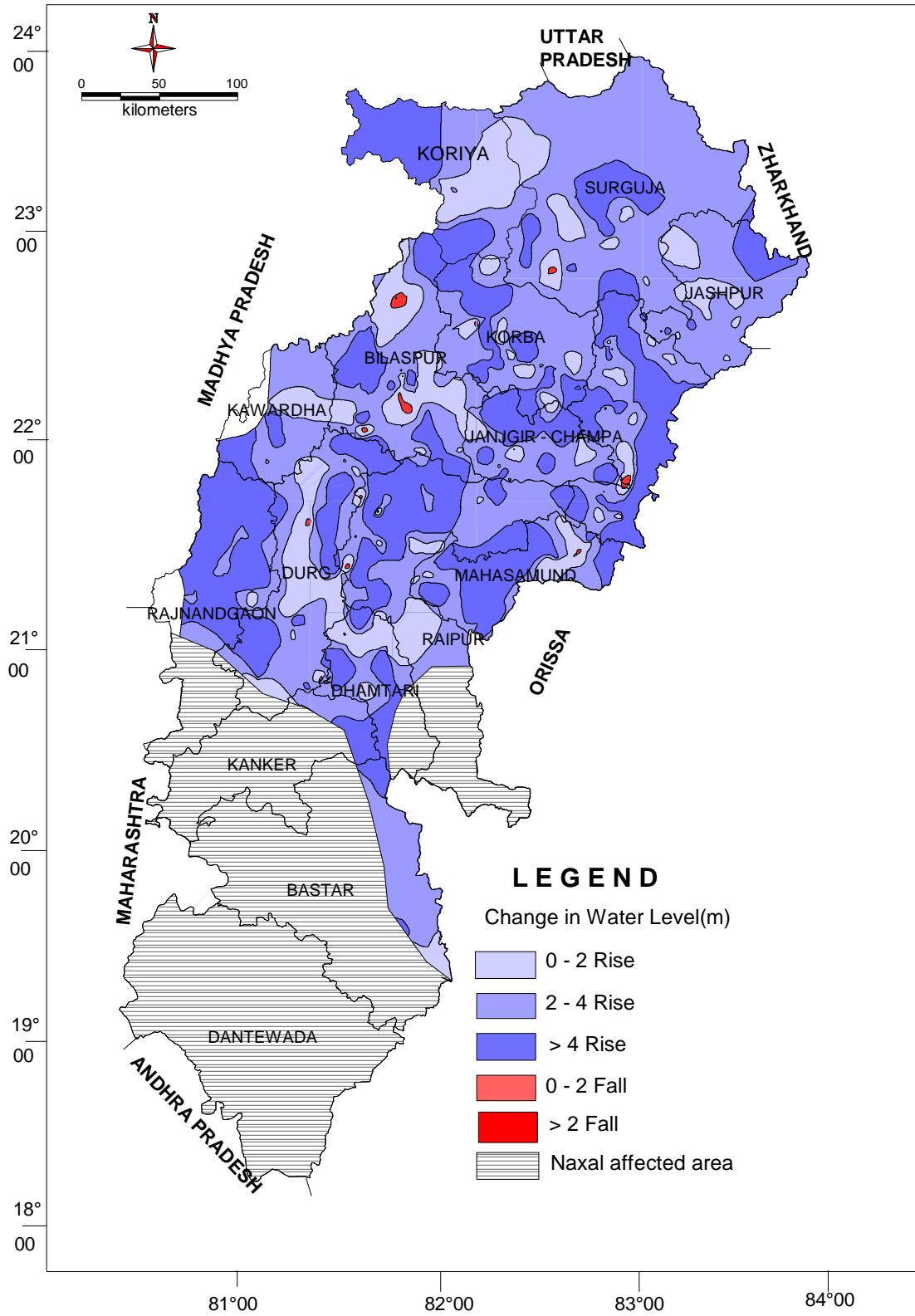
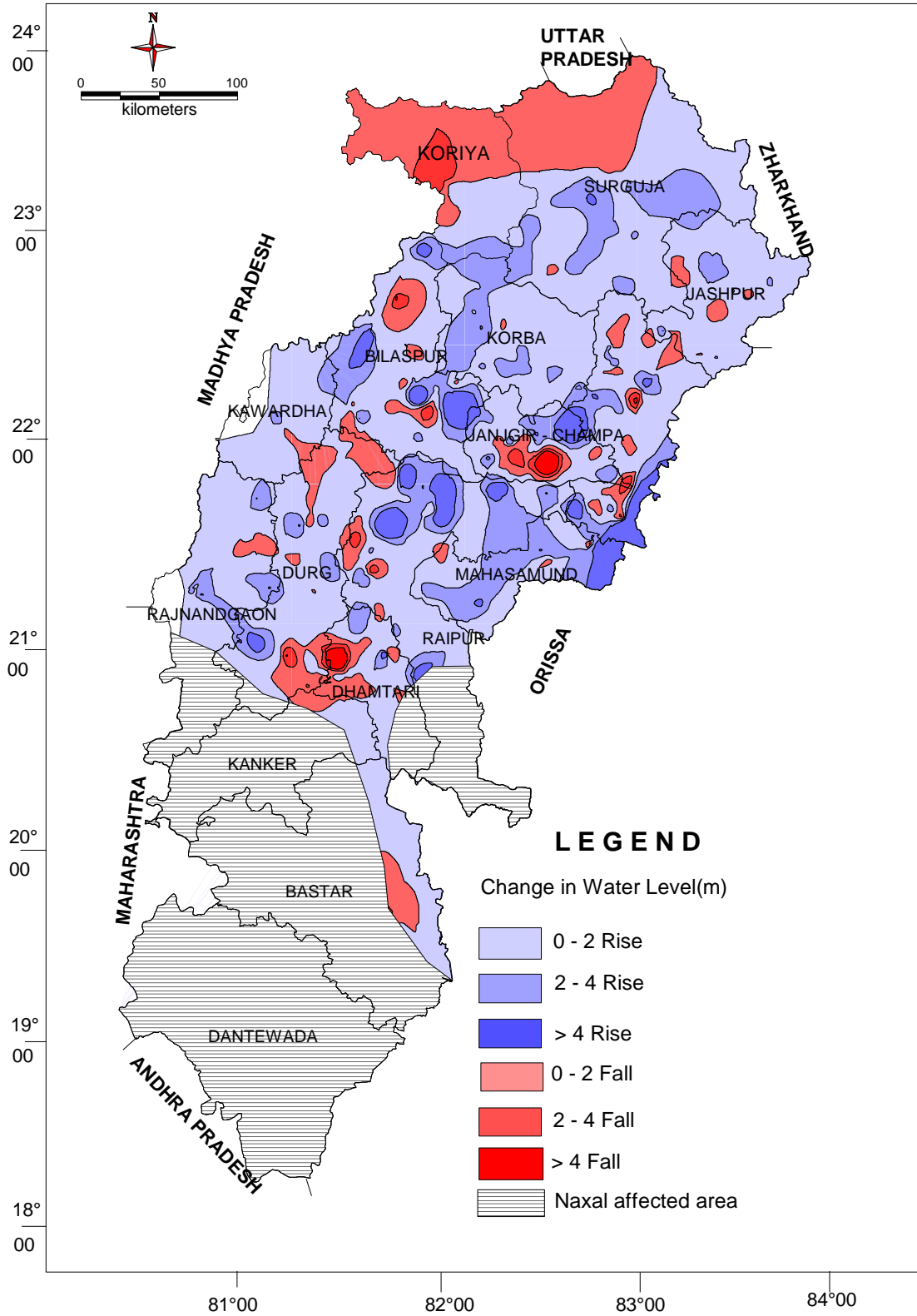


Fig 7.11 Water Level Fluctuation (May'14 Vs Jan'15)



7.3 Water Level Fluctuation With Reference To Decadal Mean

7.4.1 Mean of May (May 2004 to May 2013) Vs May 2014

When compared to the decadal mean water level (May 2004 to May 2013), 39.16% of observation wells are showing a fall in water level in May 2014. Out of the wells monitored, 28.96% of the wells are showing a fall upto 2 m, 6.01% between 2 to 4 metres and 4.18 % of the monitored wells are showing a fall in water level of more than 4 m. Fall of water level as compared to the decadal mean by more than 4m is observed in Bilaspur, Dhamtari, Korba, Janjgir-champa, Raipur, Mahasamund, Raigarh districts. Nearly 57.74% of monitored wells are showing a rise in the water level, mostly in the range of 0-2 meter (42.80%). About 10.74% of the monitored wells are showing a rise in the range of 2-4 metre whereas 4.18% of the monitored wells are showing a rise of more than 4 m.

The district wise categorization of decadal change in water level is presented in **Table 7.12**. The decadal range of fluctuation has been shown in the **Fig 7.12**.

7.4.2 Mean of August (Aug 2004 to August 2013) Vs August 2014

When compared to the decadal mean water level (August 2004 to August 2013), 39.58% of observation wells are showing a fall in water level in August 2014. Out of the wells monitored, 35.59% of the wells are showing a fall upto 2 m, 2.95% between 2 to 4 metres and 0.1% of the monitored wells are showing a fall in water level of more than 4 m. Fall of water level as compared to the decadal mean by more than 4m is observed in Bilaspur, Rajnandgaon, Kawardha, Mahasamund, Surguja districts. Nearly 60.41% of monitored wells are showing a rise in the water level, mostly in the range of 0-2 meter (51.73%). About 6.25% of the monitored wells are showing a rise in the range of 2-4 metre whereas 2.43% of the monitored wells are showing a rise of more than 4 m.

The district wise categorisation of decadal change in water level is presented in **Table 7.13**. The decadal range of fluctuation has been shown in the **Fig 7.13**

7.4.3 Mean of November (Nov 2004 to November 2013) Vs November 2014

When compared to the decadal mean water level (November'2004 to November'2013), 36% of observation wells are showing a fall in water level in

November'2014. Out of the wells monitored, 31% of the wells are showing a fall upto 2 m, 3% between 2 to 4 metres and 2% of the monitored wells are showing a fall in water level of more than 4 m. Fall of water level as compared to the decadal mean by more than 4m is observed in Dhamtari, Janjgir-Champa, Korba, Raipur, Kawardha, Mahasamundand Surguja districts. Nearly 64% of monitored wells are showing a rise in the water level, mostly in the range of 0-2 meter (55%). About 7% of the monitored wells are showing a rise in the range of 2-4 metre whereas 2% of the monitored wells are showing a rise of more than 4 m.

The district wise categorisation of decadal change in water level is presented in **Table 7.14**. The decadal range of fluctuation has been shown in the **Fig 7.14**.

7.4.4 Mean of January (January 2005 to January 2014) Vs January 2015

When compared to the decadal mean water level (January' 2005 to January'2014), 66.88% of observation wells are showing a fall in water level in January'2015. Out of the wells monitored, 48.10% of the wells are showing a fall upto 2 m, 13.34% between 2 to 4 metres and 5.76% of the monitored wells are showing a fall in water level of more than 4 m. Fall of water level as compared to the decadal mean by more than 4m is observed in Bastar, Bilaspur, Dhamtari, Durg, Janjgir-Champa, Raigarh, Rajnadgeon, Raipur, Kawardha, Mahasamund and Surguja districts. Nearly 33.27% of monitored wells are showing a rise in the water level, mostly in the range of 0-2 meter (27.51%). About 3.95% of the monitored wells are showing a rise in the range of 2-4 metre whereas 1.81% of the monitored wells are showing a rise of more than 4 m.

Water level fluctuations during January 2014 with respect to the decadal mean(January 2004 to January 2013) are shown in **Fig 7.15**.

Table 7.12 District wise categorisation of decadal change in water level(May 2004-May 2013 Vs May 2014)

District	No. of Wells	Range of Fluctuation (m)				No. of Wells/Percentage Showing Fluctuation						Total No. of Wells	
		Rise		Fall		Rise			Fall			Rise	Fall
		Min	Max	Min	Max	0 to 2	2 to 4	>4	0 to 2	2 to 4	>4		
BASTAR	17	0.14	2.82	0.10	1.43	6 35.29 %	4 23.53 %	0	7 41.18 %	0	0	10	7
BILASPUR	71	0.01	5.2	0.03	10.41	33 46.48 %	13 18.31 %	7 9.86 %	10 14.08 %	3 4.23%	2 2.82%	53	15
DHAMTARI	23	0.05	4.20	0.45	3.5	9 39.13 %	2 8.70%	0	6 26.09 %	4 17.39 %	2 8.70%	12	11
DURG	46	0.01	4.7	0.11	12.20	15 32.61 %	7 15.22 %	4 8.70 %	13 28.26 %	4 8.70%	1 2.17%	26	18
JANJGIR - CHAMPA	45	0.06	5.62	0.02	9.49	21 46.67 %	4 8.89%	1 2.22 %	10 22.22 %	4 8.89%	5 11.11 %	26	19
JASHPUR	46	0.01	2.70	0.02	2.90	25 54.35 %	1 2.17%	0	15 32.61 %	2 4.35%	0	26	17
KANKER	3	2.44	2.44	0.22	0.90	0	1 33.33 %	0	2 66.67 %	0	0	1	2
KAWARDHA	12	0.13	4.46	0.38	0.38	8 66.67 %	2 16.67 %	1 8.33 %	1 8.33%	0	0	11	1
KORBA	48	0.16	3.73	0.20	11.04	16 33.33 %	7 14.58 %	0	14 29.17 %	5 10.42 %	4 8.33%	23	23
KORIYA	12	0.08	2.39	0.05	1.67	5 41.67 %	1 8.33%	0	5 41.67 %	0	0	6	5
MAHASAMUND	31	0.03	7.73	0.03	3.42	14 45.16 %	3 9.68%	2 6.45 %	9 29.03 %	2 6.46%	2 6.45%	19	12
RAIGARH	68	0	7.36	0.03	7.30	26 38.24 %	4 5.88%	2 2.94 %	26 38.24 %	3 4.41	2 2.94%	32	31
RAIPUR	59	0	8.1	0.06	6.45	26 44.07 %	5 8.47%	3 12.50 %	17 28.81 %	2 3.39%	5 8.47%	34	24
RAJNANDGAO N	24	0.22	3.53	0.52	2.83	13 54.17 %	3 12.50 %	0	4 16.67 %	4 16.67 %	0	16	8
SURGUJA	44	0.09	4.69	0.02	2.51	18 40.91 %	2 4.55%	2 4.55 %	20 45.45 %	2 4.55%	0	22	22
Total	549	0.01	8.10	0.03	12.20	235	59	23	169	33	23	317	215

Table 7.13 District wise categorisation of decadal change in water level(Aug' 2004- 2013 Vs Aug' 2014)

District	No. of Wells	Range of Fluctuation (m)				No. of Wells/Percentage Showing Fluctuation						Total No. of Wells	
		Rise		Fall		Rise			Fall			Rise	Fall
		Min	Max	Min	Max	0 to 2	2 to 4	>4	0 to 2	2 to 4	>4		
BASTAR	18	0.15	2.05	0.13	3.85	11 61.11%	2 11.11%	0	3 16.67%	2 11.11%	0	13	5
BILASPUR	75	0.03	7.97	0.04	4.32	36 48%	3 4.00%	5 6.67%	27 36.00%	3 4.00%	1 1.33%	44	31
DHAMTARI	28	0.01	5.84	0.01	2.31	15 53.57%	1 3.57%	1 3.57%	9 32.14%	2 7.14%	0	17	11
DURG	46	0.03	8.95	0.01	3.23	22 47.83%	2 4.35%	2 4.35%	19 41.30%	1 2.17%	0	26	20
JANJGIR - CHAMPA	46	0.03	2.03	0.00	2.14	20 43.48%	1 2.17	0	24 52.17%	1 2.17%	0	21	25
JASHPUR	47	0.07	6.00	0.13	1.46	29 61.7%	4 8.51%	2 4.26%	12 25.53%	0	0	35	12
KANKER	4	0.88	0.95	0.20	0.97	2 50%	0	0	2 50.00%	0	0	2	9
KAWARDHA	15	0.34	3.00	0.02	13.84	5 33.33%	1 6.67%	0	8 53.33%	0	1 6.67%	6	9
KORBA	50	0.06	4.09	0.03	2.69	27 54%	3 6.00%	2 4.00%	17 34%	1 2	0	32	18
KORIYA	23	0.01	2.33	0.05	1.13	13 56.52%	1 4.35%	0	9 39.13%	0	0	14	9
MAHASAMUND	27	-	3.50	0.11	12.73	13 48.15%	2 7.41%	0	10 37.04%	1 3.70%	1 3.70%	15	12
RAIGARH	54	0.07	4.15	0.01	2.04	29 53.7%	10 18.52%	1 1.85%	13 24.07%	1 1.85%	0	40	14
RAIPUR	60	0.09	2.04	0.02	2.23	38 63.33%	1 1.67%	0	20 33.33%	1 1.67%	0	39	21
RAJNANDGAON	30	0.01	2.25	0.08	5.14	13 43.33%	1 3.33%	0	11 36.67%	3 10	2 6.67%	14	16
SURGUJA	53	0.08	7.28	0.04	8.90	25 47.17%	4 7.55%	1 1.89%	21 39.62%	1 1.89%	1 1.89%	30	23
Total	576	0.01	7.97	0.00	13.84	298	36	14	205	17	6	348	228

Table 7.14 District wise categorisation of decadal change in water level(Nov' 2004- 2013 Vs Nov' 2014)

District	No. of Wells	Range of Fluctuation (m)				No. of Wells/Percentage Showing Fluctuation						Total No. of Wells	
		Rise		Fall		Rise		Fall		Fall		Rise	Fall
		Min	Max	Min	Max	0 to 2	2 to 4	>4	0 to 2	2 to 4	>4		
BASTAR	14	0.05	1.03	0.08	1.12	3 21.43%	0	0	11 78.57%	0	0	3	11
BILASPUR	70	0.02	7.39	0.01	2.98	46 65.71%	5 7.14%	2 2.86%	15 21.43%	1 1.43%	0	53	16
DHAMTARI	29	0.03	9.59	0.03	4.38	21 72.41%	0	1 3.45%	6 20.69%	0	1 3.45%	22	7
DURG	54	0.01	7.42	0.02	1.65	35 64.81%	5 9.26%	2 3.70%	12 22.22%	0	0	42	12
JANJGIR - CHAMPA	45	0.00	3.12	0.08	5.14	23 51.11%	7 15.56%	0	13 28.89%	1 2.22%	1 2.22%	30	15
JASHPUR	41	0.02	1.60	0.07	3.99	17 41.46%	0	0	23 56.10%	1 2.44%	0	17	24
KANKER	3	0.40	0.40	0.10	3.27	1 33.33%	0	0	1 33.33%	1 33.33%	0	1	2
KAWARDHA	16	0.14	2.10	0.33	9.06	11 68.75%	2 12.50%	0	0	0	1 6.25%	13	3
KORBA	52	0.02	5.53	0.02	5.88	30 57.69%	8 15.38%	2 3.85%	7 13.46%	3 5.77%	1 1.92%	40	11
KORIYA	17	0.15	4.36	0.14	2.20	7 41.18%	1 5.88%	1 5.88%	7 41.18%	1 5.88%	0	9	8
MAHASAMUND	33	0.01	16.27	0.17	4.53	23 69.70%	1 3.03%	2 6.06%	6 18.18%	0	1 3.03%	26	7
RAIGARH	70	0.04	17.36	0.05	3.59	39 55.71%	5 7.14%	3 4.29%	18 25.71%	5 7.14%	0	47	23
RAIPUR	79	0.03	2.08	0.02	4.00	45 56.96%	2 2.53%	0	29 36.71%	2 2.53%	1 1.27%	47	32
RAJNANDGAON	30	0.03	2.45	0.05	2.40	16 53.33%	4 13.33%	0	9 30.00%	1 3.33%	0	20	10
SURGUJA	60	0.00	8.87	0.04	10.28	17 28.33%	3 5.00%	3 5.00%	31 51.67%	4 6.67%	2 3.33%	23	37
Total	613	0.01	17.36	0.01	10.28	334	43	16	190	20	8	393	218

Table 7.15 District wise categorisation of decadal change in water level(Jan' 2005- 2014 Vs Jan' 2015)

District	No. of Wells	Range of Fluctuation (m)				No. of Wells/Percentage Showing Fluctuation						Total No. of Wells	
		Rise		Fall		Rise			Fall			Rise	Fall
		Min	Max	Min	Max	0 to 2	2 to 4	>4	0 to 2	2 to 4	>4		
BASTAR	25	0.04	1.49	0.72	5.26	6 30.00%	0	0	9 36.00%	8 35.00%	2 5.00%	6	19
BILASPUR	71	0.01	4.97	0.00	5.56	28 39.44%	6 8.45%	1 1.41%	26 36.62%	6 8.45%	3 4.23%	35	35
DHAMTARI	24	0.44	1.15	0.16	9.18	3 12.50%	0	0	18 75.00%	2 8.33%	1 4.17%	3	21
DURG	52	0.05	9.34	0.15	8.69	18 34.62%	0	3 5.77%	18 34.62%	7 13.46%	5 9.62%	21	30
JANJGIR - CHAMPA	47	0.11	2.73	0.01	2.44	7 14.89%	2 4.26%	0	20 42.55%	10 19.15%	8 19.15%	9	38
JASHPUR	53	0.55	2.24	0.02	3.92	4 7.55%	1 1.89%	0	40 75.47%	8 15.09%	0	5	48
KANKER	13	0.22	5.93	0.25	2.36	3 23.08%	2 15.38%	1 7.69%	6 46.15%	1 7.69%	0	6	7
KAWARDHA	15	0.01	0.60	0.03	4.98	6 40.00%	0	0	6 40.00%	2 13.33%	1 6.67%	6	9
KORBA	44	0.02	2.79	0.02	3.64	19 43.18%	3 6.82%	0	18 40.91%	4 9.09%	0	22	22
KORIYA	17	0.28	1.46	0.26	3.44	9 52.94%	0	0	6 35.29%	2 11.76%	0	9	8
MAHASAMUND	27	0.10	1.65	0.06	8.41	10 37.04%	0	0	12 44.44%	3 11.11%	2 7.41%	10	17
RAIGARH	62	0.16	8.63	0.01	8.05	12 19.35%	2 3.23%	3 4.84%	26 41.94%	15 24.19%	4 6.45%	17	45
RAIPUR	62	0.03	6.84	0.03	6.72	18 29.03%	4 6.45%	1 1.61%	28 45.16%	8 12.90%	3 4.84%	23	39
RAJNANDGAON	31	0.21	2.67	0.07	5.85	7 22.58%	2 6.45%	0	18 58.06%	1 3.23%	3 9.68%	9	22
SURGUJA	64	0.01	5.21	0.00	7.18	17 26.56%	2 3.13%	2 3.13%	38 59.38%	3 4.69%	2 3.13%	21	43
Total	607	0.01	8.63	0.00	9.18	167	24	11	292	81	35	202	406

Fig 7.12 Water level fluctuation , Decadal Mean(May'2004-2013) Vs May 2011

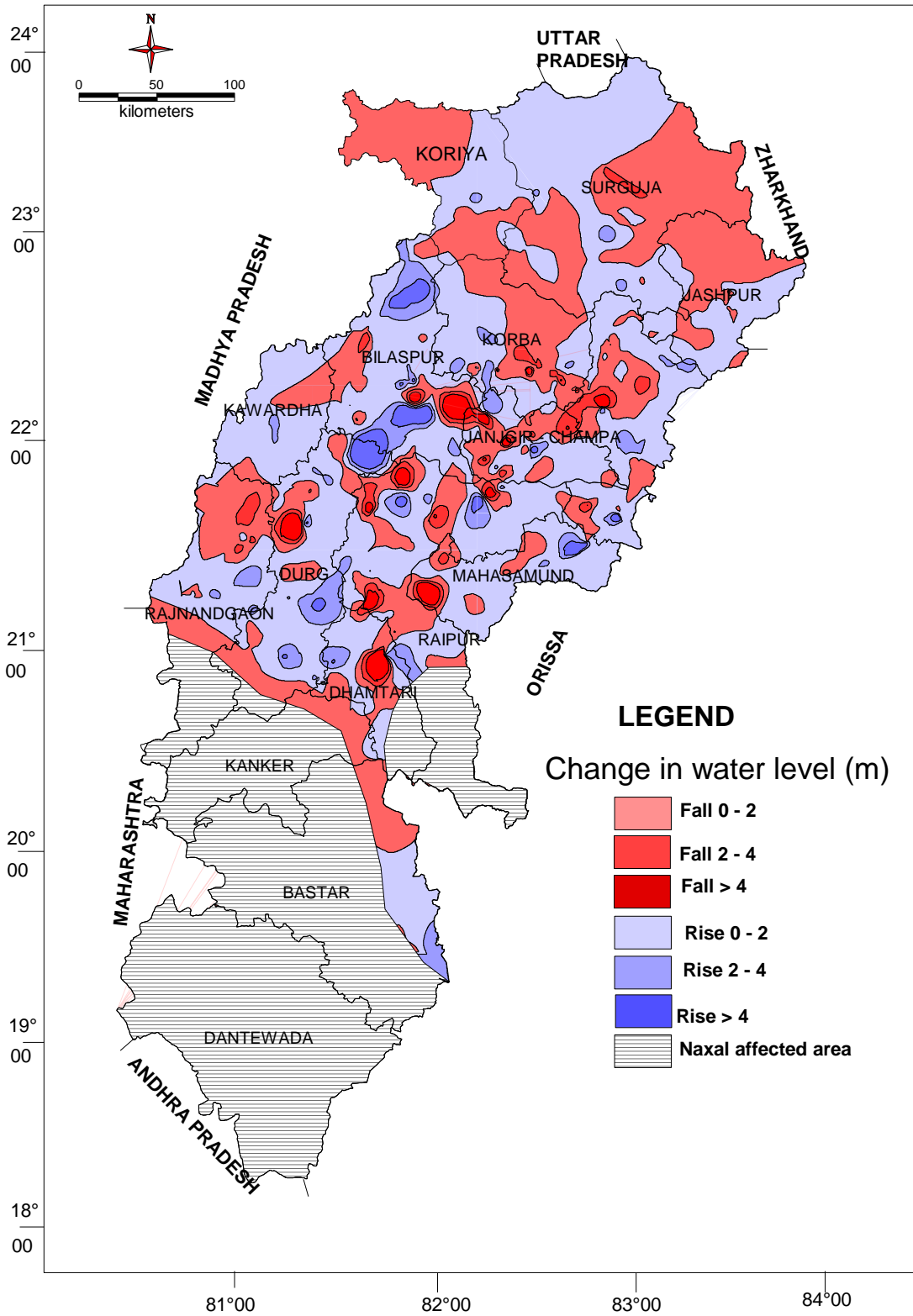


Fig 7.13 Water level fluctuation, Decadal mean (Aug'2004-Aug' 2013) Vs Aug'2014

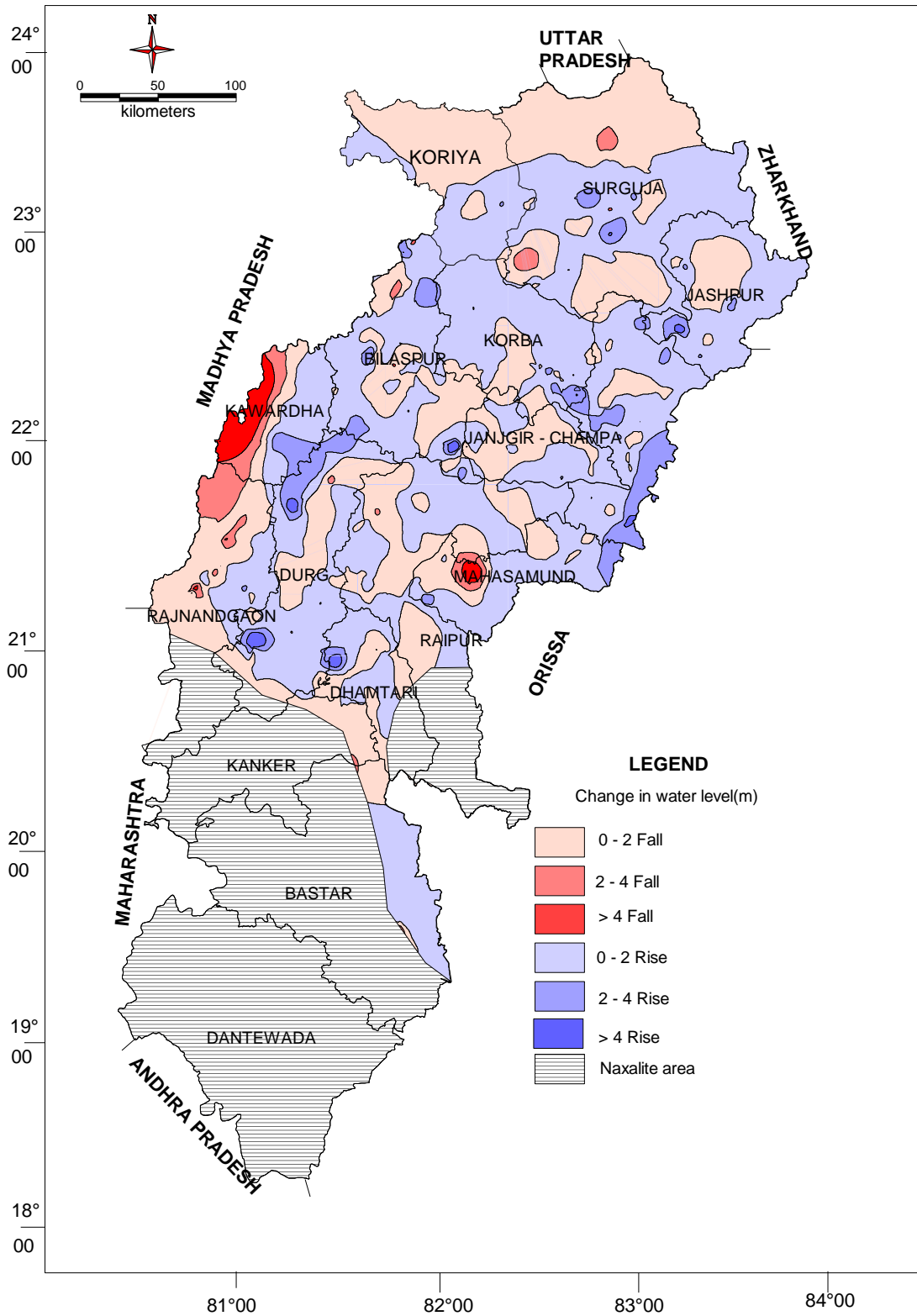


Fig 7.14 Water Level Fluctuation, Decadal mean(Nov'2004- Nov'2013) Vs Nov'2014

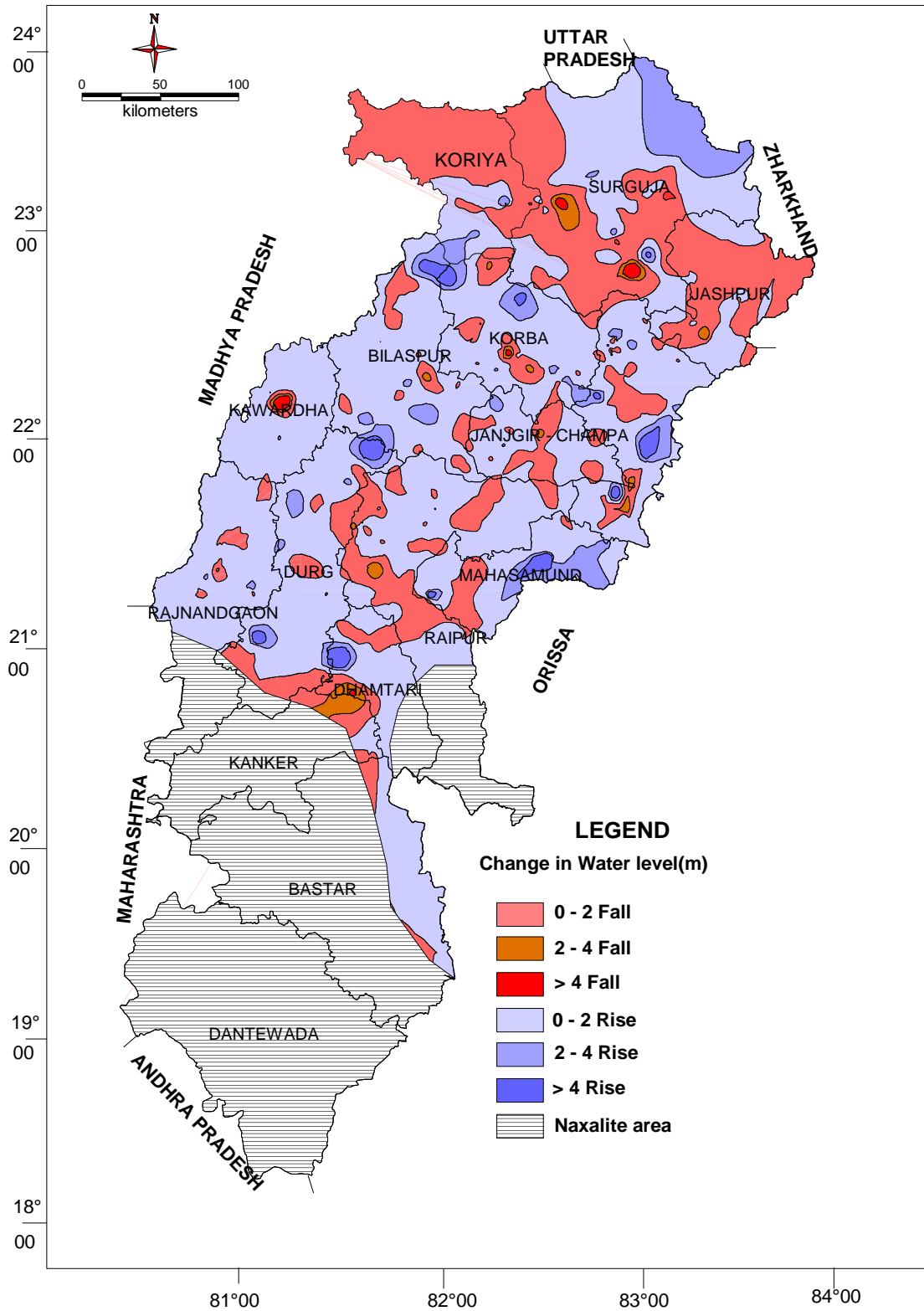
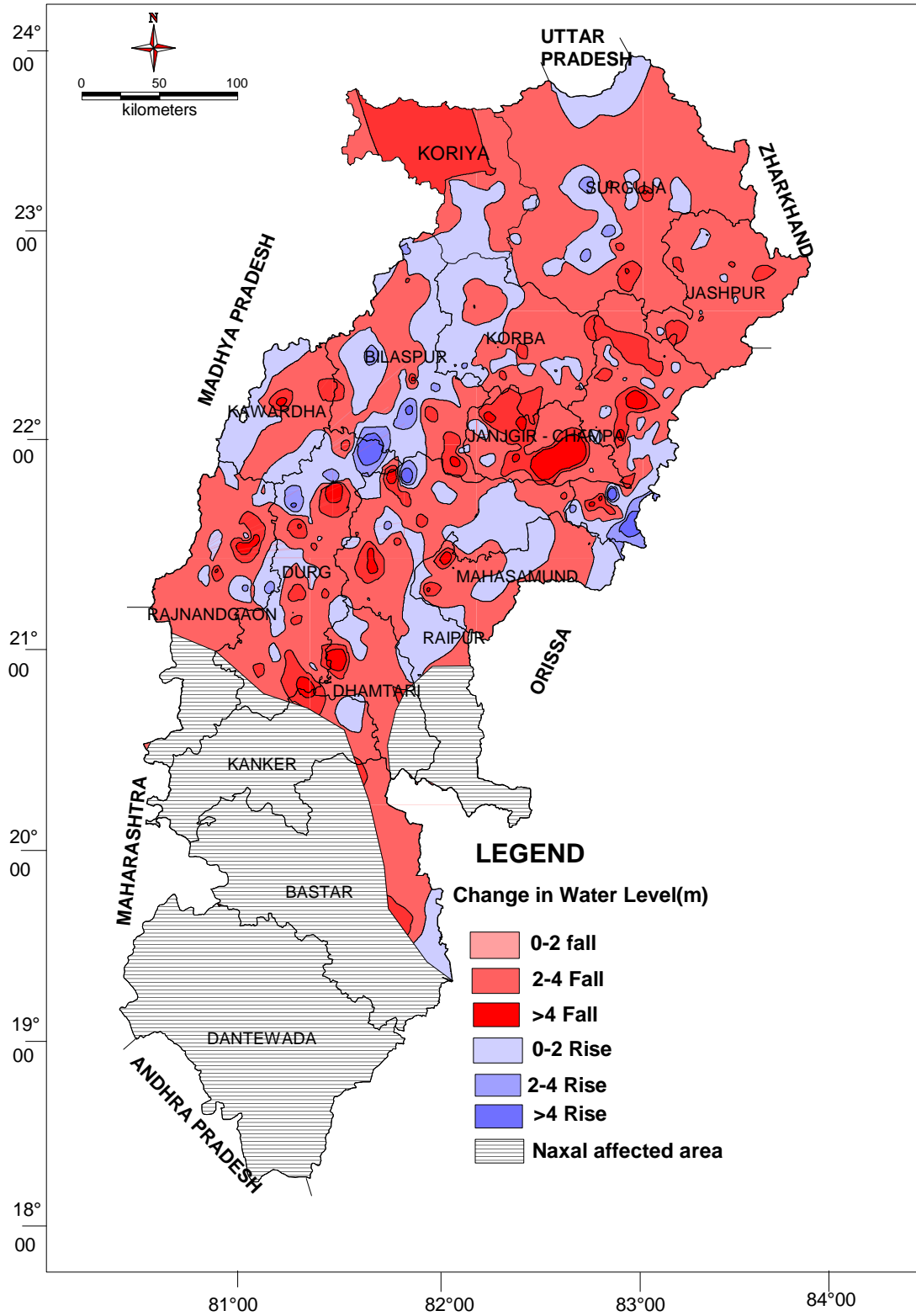
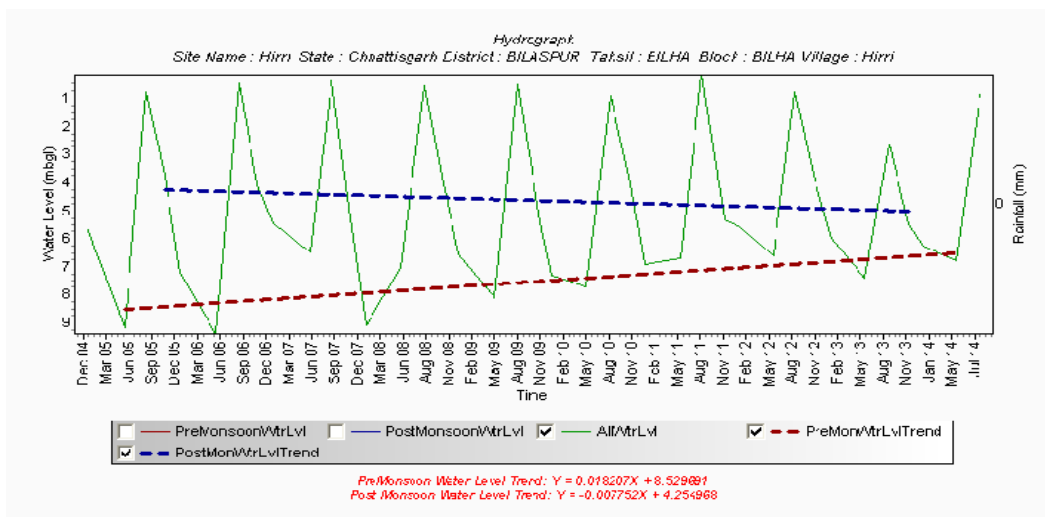
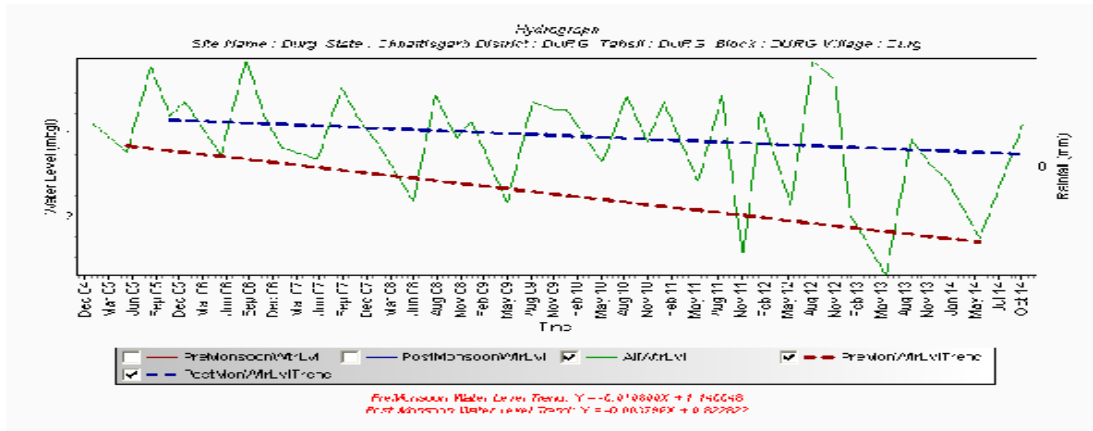


Fig 7.15 Water Level Fluctuation, Decadal mean(Jan'2005- 2014) Vs Jan'2015



Long Term Water Level Trend (2005-2014)

The long term water level trend (2005-2014) of the phreatic aquifer was plotted for both the pre and post monsoon periods. For the pre monsoon period, the major part of Chhattisgarh shows water level trend between -10 to +10 cm/yr which can be categorized as safe but many parts of Jashpur, Surguja, Korba, Janjgir-Champa, Kawardha, Rajnandgaon show significant falling trend of more than 20 cm/yr which is a cause of concern.



The post monsoon decadal water level trend map of the phreatic aquifer presents a more alarming picture. (Fig 7.17) It shows large tracts of Surguja, Koriya, Jashpur, Kawardha, Rajnandgaon etc with significant decline in water level of more than 20 cm/yr during the last 10 years. This long term trend is also depicted from the individual hydrographs of network stations. Some representative hydrographs are given below.

8. GROUNDWATER QUALITY MONITORING

8.1 Factors controlling ground water quality

The factors contributing to the ground water quality are the chemical composition of the rainwater, the soil types and the mineralogy of the rock formations. The geochemical processes in the soil zone and in the underlying unsaturated and saturated zones, temperature and pressure, duration of contact of the percolating water and the surrounding media, and other associated factors determine the chemical composition of the ground water. Pollution from near surface sources arising out of the human activities like industrial wastes disposal, use of fertilizers, pesticides also influence the ground water quality.

Climate and precipitation: The temperature and precipitation influence weathering, climate, vegetation, soil types and the composition of the water draining the area. The rainwater containing SiO_2 , CO_2 , O_2 picks up organic acids after reaching the earth's surface and reacts with the minerals, which get dissolved. In humid temperate climate the bicarbonates are predominant and are rather high in arid climate. The wet and dry climate promotes release of considerable soluble inorganic matter through weathering. Very cold climate inhibit weathering and restrict solute concentration in water.

Soil forming process: The geochemical reactions involved in the soil forming processes also dictate the chemical composition of the ground water. In soils dissolution of CO_2 and the H^+ , HCO_3^- , CO_3^{2-} ions in percolation water control pH of water and thereby increasing its capacity to react with rocks and minerals.

Geological factors : The mineral constituents in rock influence the geochemical evolution of water passing through the rock. The mineralogical sources of major ions are listed in **Table 8.1**.

Table 8.1: Mineralogical Sources of Major Chemical Constituents

<u>Chemical constituents</u>	<u>Source Minerals</u>
Silica	Feldspars, Feldspathoids, Amphiboles, Pyroxenes, Mica.
Iron	Pyroxenes, Amphiboles, Mica, Pyrites, Chalcopyrite, Magnetite and Haematite.
Mn	Common Mn. bearing minerals in metamorphic & sedimentary

	rocks as oxides, hydroxides, carbonates, silicates.
Ca	Plagioclase, Pyroxene, Amphibole, among igneous and metamorphic rocks. Limestone, dolomite, gypsum among sedimentary rocks.
Mg	Dunites, Pyroxenites, Amphibolites, Basalt, Talc, Tremolite Schists, Dolomite.
Na	Sodium salts in soils, sea water ingress, ground water, also due to base exchange reactions with clays.
K	Orthoclase, Microcline, Nepheline, Lucite, Biotite in igneous and metamorphic rocks, Evaporites in sedimentary rocks.
HCO ₃ & CO ₃	Dissolved CO ₂ in rains, water charged with CO ₂ dissolves carbonate minerals, in solid rocks to give bicarbonate.
SO ₄	Sulphides of heavy metals igneous and metamorphic rocks. Gypsum and hydrite in sedimentary rocks.
Cl	Atmospheric sources and sea water contamination.
F	Fluorite, Apatite, Amphiboles and Micas.

Human activities : The untreated industrial effluents discharged through nearby streams and unlined drains may percolate underground and reaches the aquifers on the downstream side thereby affecting the quality of ground water. The migration of the pollutant to the saturated zone is considerable in sandy strata. The urban areas in India also generate substantial quantity of wastewater and find its way into the natural water courses causing contamination of surface and ground water. The solid waste dumped in low-lying areas becomes a potential source of ground water pollution.

Organic and inorganic fertilizers, pesticides, insecticides and other chemicals used in the agricultural fields, are often leached to the ground water. Nitrate, potassium and phosphate are the common fertilizer used in agriculture land and are the potential pollutants in the ground water. The major contaminants associated with the waste disposal practices are summarized in **Table 8.2**.

Table 8.2: Contaminants Associated With the Waste Disposal Practices

<u>Source</u>	<u>Possible contaminants</u>
<u>Landfills:</u> Municipal	Heavy metals, chlorides, sodium, calcium
Industrial	Wide variety of inorganic and organic constituents.

Hazardous waste disposal sites	Wide variety of inorganic (particularly heavy metals) and organic compounds (pesticides, priority pollutants, etc).
Liquid waste storage ponds (Lagoons, leaching ponds, compounds reaching basins)	Heavy metals, Solvents, inorganic, Compounds
Subsurface sewage disposal systems	Organic compounds (degreasers, solvents), nitrogen compounds, sulphates, sodium, microbiological contaminants.
Deep-well waste injection.	Variety of inorganic and/or organic compounds.
Agricultural activities.	Fertilizers, herbicides, pesticides.
Land application (sludge, waste water)	Heavy metals, inorganic compounds, organic compounds.
Urban runoff infiltration.	Inorganic compounds, heavy metals, petroleum products.
Decaying activities.	Chlorides, sodium, calcium radioactivity.
Radioactive wastes.	Radioactive wastes and radionuclides.

8.2 Hydrochemical quality evolution

As ground water moves along the flow paths in the saturated zone, it is enriched with total dissolved solids and with major ions. The shallow zone is characterized by active ground water flushing through relatively well-leached rocks has HCO_3^- as the dominant anion and is low in total dissolved solids. The intermediate zone has less active ground water circulation, and higher total dissolved solids while sulphate is normally the dominant anion in this zone. The lower zone with very little ground water flushing has high Cl^- concentration and high total dissolved solids. The HCO_3^- content in ground water is normally derived from soil zone and from dissolution of calcite and dolomite. There are several soluble sedimentary minerals that release SO_4^- or Cl^- upon dissolution. The process of evolution from stage to stage is controlled by the

availability of minerals along the ground water flow paths. In some ground water flow system the water does not evolve past the HCO_3^- stage or past the SO_4^- .

The notable in this regard is the increase in HCO_3^- and decrease in SO_4^- that can occur as a result of biochemical SO_4^- reduction. Large variations in major cations occur in ground water flow systems because of cation exchange process.

8.3 Ground water quality sampling

The purpose of ground water quality sampling is varied viz. evaluation of regional water quality, detection and assessment of the extent of the contaminant release. In this context the important attributes are location and number of monitoring wells for ground water sampling. The information from the ground water sampling network is related to the number of stations to be sampled and the frequency of sampling. Due to slow rate of ground water movement, the ground water quality does not change rapidly. Similarly in contrast to unconfined aquifers, the quality change in confined aquifer is rather slow.

Sample location : The factors that influence sampling location are site geology, hydrology, source characteristic, contaminant characteristic and size of the area under investigation. The degree and details of temporal and spatial variations, which also characterise sub-surface hydrogeochemical conditions, are also considered. The existing wells may be used to gather information on the regional ground water quality and ambient trends. Disused wells are not selected for water sampling. Hydrogeological information on ground water flow paths and gradients will initially guide the sampling network. The vertical control of sampling location is another important factor for sampling the ground water.

Sampling frequency : More the water quality varies, the more samples will be required to obtain reliable estimate of statistical parameters used to describe its behavior. Variance should determine sampling frequency. The commonly used statistical parameter for water quality variable in selecting sampling frequencies is the "mean". The approach is to select a sampling frequency, which yields an estimate of the "mean" within a prescribed degree of accuracy (confidence limits). The "population

mean” of random variable will lie within a certain interval (the confidence interval) around the “sample mean”. The confidence limit on the mean quantitatively relates sampling frequency to the variation in water quality.

The simplest case of sampling frequency design would be to select the sampling frequency, which results in the desired confidence intervals width about the annual mean for a specified water quality variable at a specified station.

In case of single station and multiple variable separate sampling frequencies for each water quality variable may be computed and then all such values averaged to decide the designed frequency.

In general, changes in the ground water quality take place much slower than the surface water quality. Experience shows that the changes in ground water quality usually can be described satisfactorily by seasonal or annual sampling schedules. Studies corroborate that the quality of the ground water outside the influence of the polluting sources, hardly shows any short-term changes. Hence, the current annual sampling schedule in the month of May serves the purpose of regional background monitoring and for study of long-term quality changes.

8.4 Results and Discussion

The chemical quality of ground water was determined from 367 water samples collected from the phreatic aquifer randomly distributed throughout Chhattisgarh. The samples were collected in pure cleaned polythene containers after rinsing with the water samples and were stored in cool place. These samples were collected during the month of May 2012 in the pre monsoon period, when the concentrations of ions were maximum. The water samples were analyzed for the major ions viz. pH, EC, CO₃, HCO₃, Cl, Ca, Mg, TH, Na, K, SO₄, NO₃ and F. The chemical analysis data are given in Annexure IV. From the annexure it may be seen that the chemical quality of the ground water is suitable for drinking, domestic, industrial and agriculture uses.

The chemical analysis shows that the ground water is neutral to low alkaline in nature. The pH value was determined with direct reading pH meter. The determination of pH is an important factor because the solubility of CO₂ and the concentration of the various carbonate species depend on the pH value. The pH value is in between 6.4 and 8.5. The electrical conductivity of water is also expressed as inverse of the electrical resistance across one cm cube of water. It is related to the TDS because it is a function of concentration of all ionic solutes. The EC is temperature dependent and all the readings are related to the equivalent reading at 25° C. The EC values for the groundwater in Chhattisgarh varied between 12 and 3020 micro-siemens/cm at 25° C. In around 85% of the water samples (313 samples), the EC values are found less than 1000 micro-siemens/cm at 25° C (i.e. 650 mg/l TDS) and is within the prescribed BIS limit for drinking purposes. In about 13% (48 samples) water samples the EC values are found in between 1000 and 2000 micro-siemens/cm at 25° C. Exceptionally higher EC values is observed at Bhatgaon (3020 micro-siemens/cm at 25° C) in Baloda bazaar district . Distribution of EC in the State is presented as contour map in **Fig 8.1**.

Calcium (Ca⁺²) was the predominant ion in the ground water of the state and in certain regions Magnesium (Mg⁺²) was high. As per the BIS guidelines the desirable and permissible limits for Ca in drinking water are 75 mg/l and 200 mg/l, respectively. The concentration of Ca in about 73% (269 samples) of the samples was within the desirable limits and in only around 25% (93 samples) the concentration was greater than the desirable and within the permissible limits. In three samples in Khurmuri 1 (new well), Bitkuli and Bemetara of Bemetara district the Ca concentration were 488mg/l, 440 mg/l and 378 mg/l respectively. Similarly the desirable limit for Mg in drinking water is 30 mg/l. There is no relaxation beyond this limit. The undesirable affect outside the acceptable limit include encrustation in water supply structure and adverse affects on domestic uses. The concentration of Mg in about 87% (320 samples) of the samples was within the desirable limit and in the remaining samples (45 samples) the concentration was greater than the desirable limit. Very high concentrations of Mg were found in Patharia (chorbhatti) (108 mg/l), Dhara (90 mg/l), Bitkuli (84 mg/l) and Thathari (82 mg/l). The Ca and Mg when combined with HCO₃, SO₄ and other ions contribute to the hardness in the water. As per the BIS guidelines the desirable and permissible limits for the hardness as CaCO₃ are 200 and 600 mg/l,

respectively. In about 50% (183 samples) of the ground water samples, hardness is within the desirable limit and in 48% of the samples analysed, the hardness is greater than the desirable and within the permissible limit thereby indicating that the ground water is soft or moderately hard in nature. Only in 2 % of samples (7 samples) the hardness values are above the BIS limits. The high hardness values are found at Bitkuli (1445 mg/l), Khurmuri 1(new well) (1330 mg/l), Bemetara (1000 mg/l) in Bemetara district, Dhardei (800 mg/l) in Janjgir champa district, Chhapparwa (675 mg/l), Patharia (chorbhatti) (675 mg/l) in Mungeli district and Durg (670 mg/l) in Durg district.

The chloride (Cl⁻) concentration in the ground water was within the BIS prescribed limits for drinking purposes. Desirable and maximum permissible limits (IS 10500, 1991) in drinking water are 250 and 1000 mg/l respectively. In about 99% (362 samples) of the analysed samples, Cl concentration was below 250 mg/l and in the remaining samples, Cl concentration was within permissible limit. The distribution of chloride in the State is shown in **Fig. 8.2**.

Higher content of Sulphate (SO₄⁻²) in drinking water causes gastrointestinal irritation. The SO₄ concentration in the State was between 0 and 1056 mg/l. As per the BIS guidelines the desirable and permissible limits for SO₄ in drinking water are 200mg/l and 400 mg/l, respectively. The Sulphate concentration in 98% of the water samples was within the desirable limits and only in around 1% of cases (3 samples) it was within permissible limits. In just four water samples analysed, the SO₄ concentration were beyond the permissible limits. The villages with high SO₄⁻² are Bitkuli (1056 mg/l), Khurmuri 1 (960 mg/l), Bemetara (763 mg/l) in Bemetara district, patharia (chorbhatti) (509 mg/l) in Mungeli district. The high concentration of sulphate is due to the dissolution of gypsum veins present within shale formation. The distribution of Sulphate is shown in **Fig. 8.3**.

The bicarbonate values were in between 12 and 561 mg/l. Among the samples 50% of the water samples was within the desirable limits and 5% was beyond the permissible limit.

Very high value of fluoride in ground water causes mottling of teeth and fluorosis. High values also cause dental carries and teeth decay. In 92% of samples the fluoride

concentration was within the desirable value (1 mg/l) recommended by BIS and only in 3% of samples the fluoride concentration was more than the prescribed limits (>1.5 mg/l). The maximum fluoride concentration was recorded at Chaitama (3.1 mg/l) in Korba district, Surajpur (3.0 mg/l) in Surajpur district, Uraidabritola (2.9 mg/l) in rajnandgaon district, Jagdishpur (2.7 mg/l) and Khallari (2.2 mg/l) in Mahasamund district, Kanker (2.1 mg/l) in Kanker district, Pratappur (2.0 mg/l) in Surajpur district.

The distribution of fluoride is shown in **Fig. 8.3**.

The higher concentration of nitrate (NO_3) in ground water is due to the anthropogenic activities (animal waste disposal) and it causes methaemoglobinemia (Blue babies). At very high concentrations it causes gastric cancer and adversely affects central nervous system and cardiovascular system. There is no relaxation beyond the acceptable limit of 45 mg/l for nitrate. In about 87% of the samples analysed, NO_3 concentration was within the permissible limit. Very high values of nitrate was observed at Dharsiwa (145 mg/l) in Raipur district, Dongargarh (100 mg/l) in Rajnandgaon district and Dhamni (100 mg/l) observation wells in Balrampur district. The nitrate values are shown in **Fig. 8.3**.

Fig 8.1 EC distribution map of Chhattisgarh State

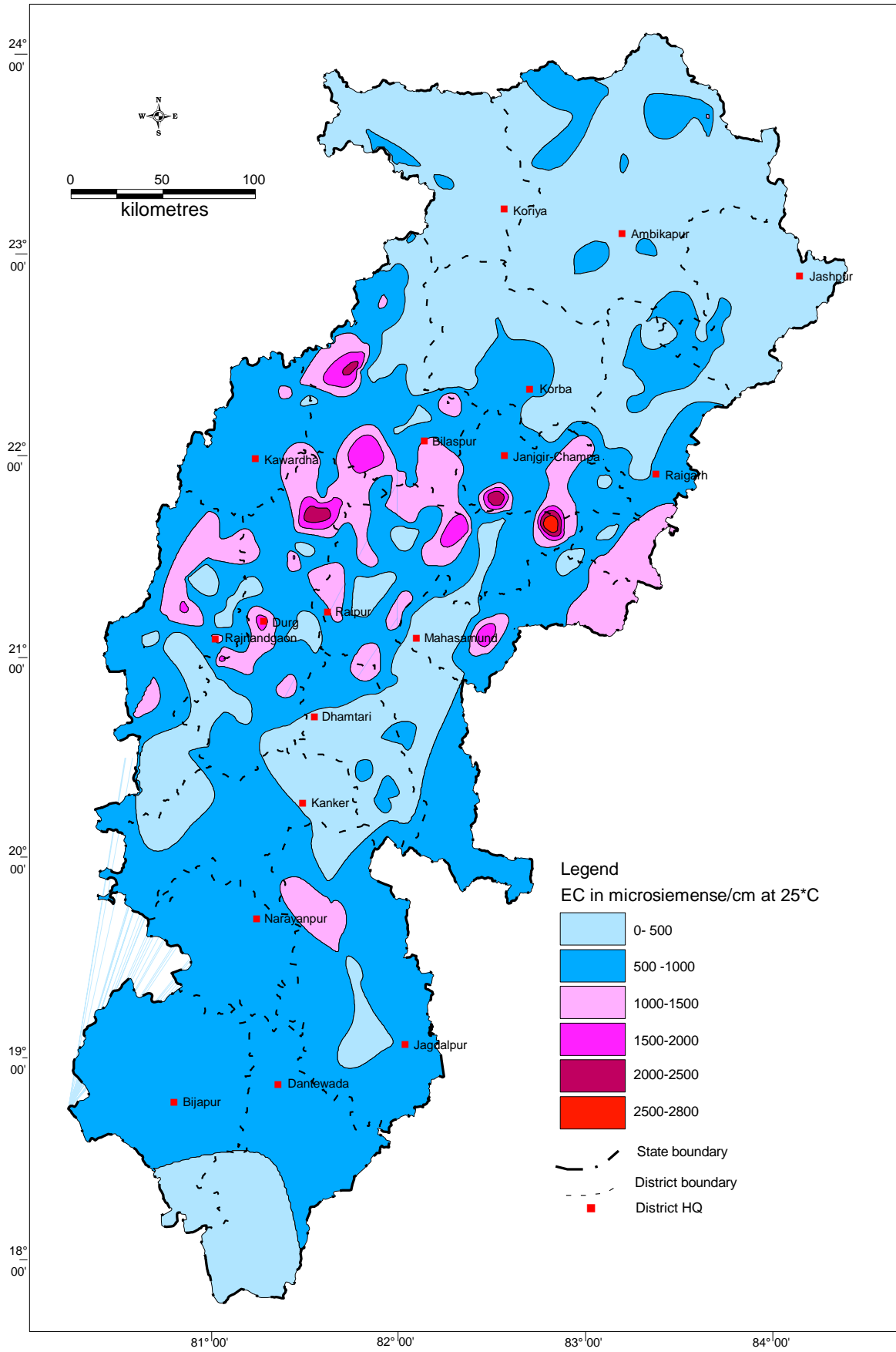


Fig 8.2 Choride distribution map of Chhattisgarh State

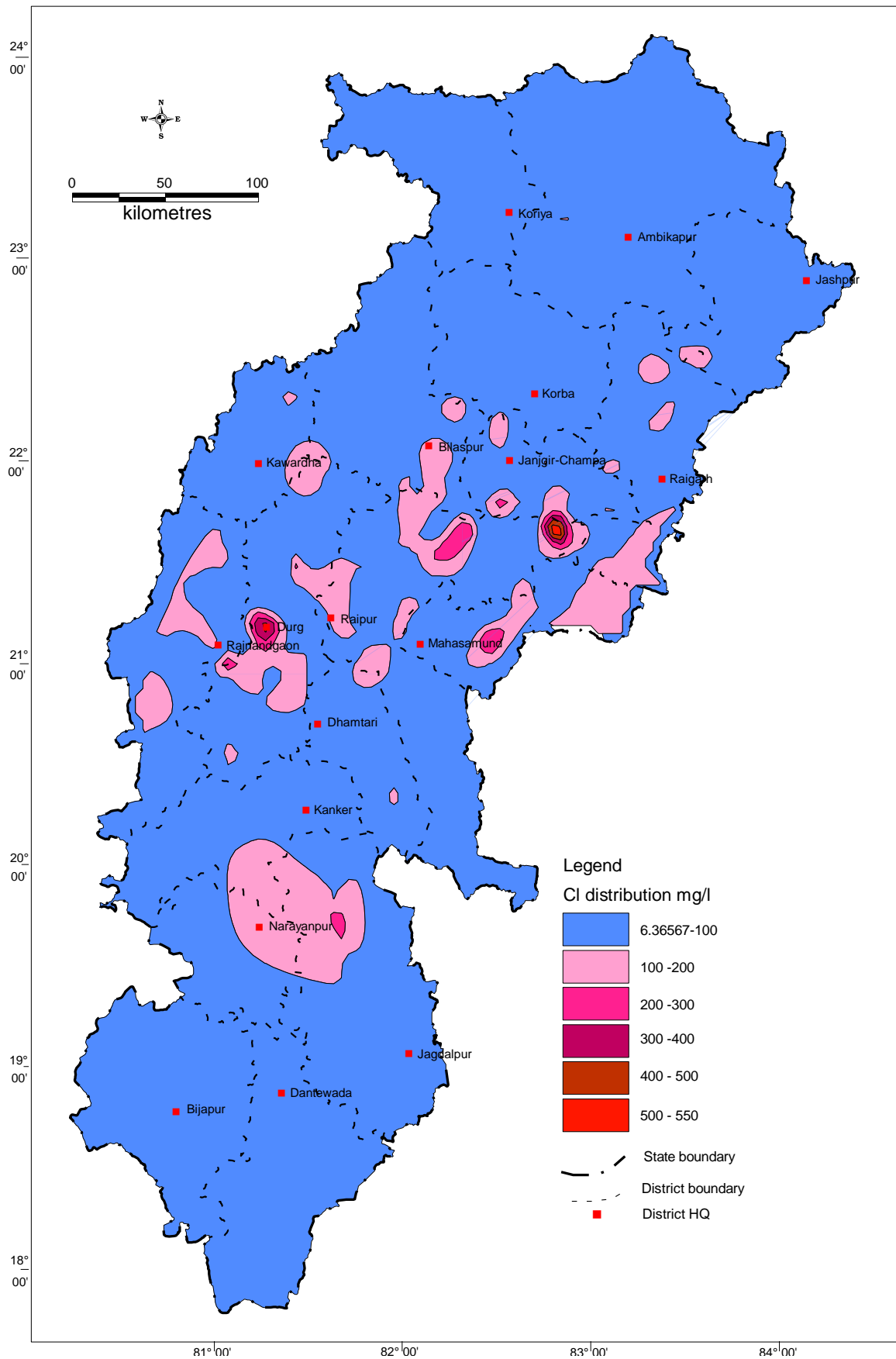
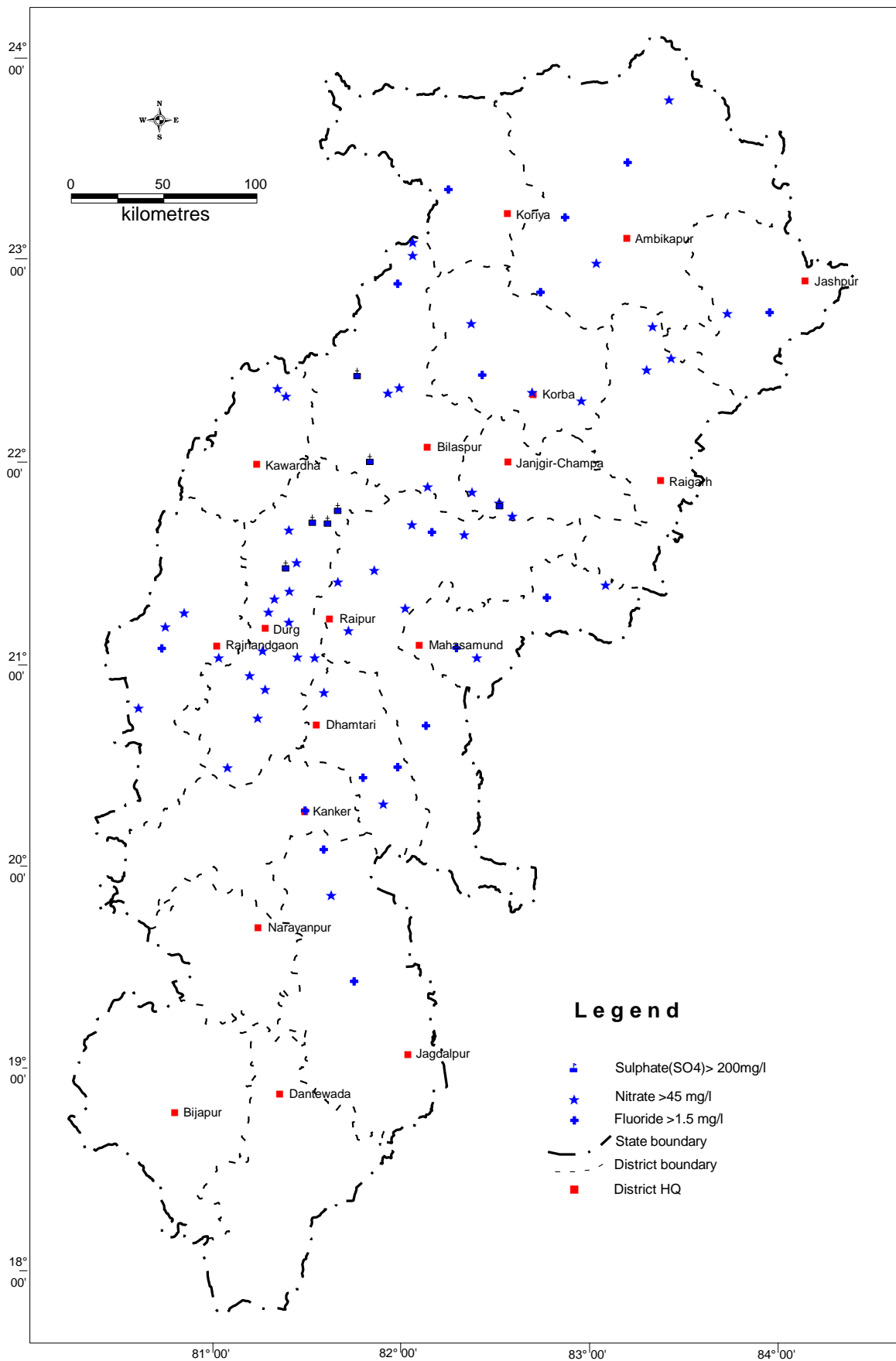


Fig 8.3 Fluoride, NO₃ and SO₄ distribution map of Chhattisgarh State



SN	District	Location	pH	EC	CO ₃	HCO ₃	Cl	SO ₄	NO ₃	Na	K	Ca	Mg	TH	F
1	Baster	Baster	7.9	690		378	28	0	13	10.4	0.9	112	7	320	0.2
2	Baster	Bhanpuri	8.4	635		294	45	15	0	6.4	0.4	80	28	315	0.2
3	Baster	Garka	8.1	172		66	18	5	5	10.6	4.4	18	5	65	0.1
4	Baster	Jagdapur	7.9	754		416	28	5	13	11.9	1.1	122	8	340	0.2
5	Baster	Joba	8.2	304		152	18	5	4	24.5	0.5	28	8	105	1.6
6	Baster	Kendagaon	8.3	1148		385	153	5	20	141.2	39	10	10	290	0.2
7	Baster	Keshkal	7.8	277		111	28	5	9	18.5	0.9	32	6	105	1.5
8	Baster	Kumharaward	8.2	445		250	11	10	0	6.1	0.6	44	22	200	0.2
9	Baster	Lanjora	7.7	1286		294	241	10	0	29.7	1.1	130	50	535	0.2
10	Baster	Phasgaon	7.3	543		89	89	15	68	27.5	4.5	60	11	195	0.1
11	Bilaspur	Achanakmar	7.7	366		195	21	14	0.79	19.5	4.2	30	20	160	0.5
12	Bilaspur	Amerikapa	7.7	1110		342	131	70	24.6	48.8	2	64	56	395	0.5
13	Bilaspur	Baitalpur	7.8	864		305	32	143	0	23.4	2.2	54	60	385	0.2
14	Bilaspur	Banabel	7.6	1002		451	85	26	1.8	100	1.4	86	7	245	1
15	Bilaspur	Bansajhal	7.6	282		140	21	1	0.8	2.6	1.1	34	8	120	0.2
16	Bilaspur	Bartoli	7.4	1283		354	138	78	67.5	90.9	7	72	56	415	0.1
17	Bilaspur	Belghana	7.7	528		226	39	7	14.8	28.8	3.8	40	18	175	0.2
18	Bilaspur	Beltara	7.5	1514		348	195	92	42	90.7	1	146	41	535	0.5
19	Bilaspur	Bilha	7.7	999		275	110	90	15.3	74	11	62	35	300	0.1
20	Bilaspur	Chhaparwa	7.5	2130		530	57	298	42.7	110	11	150	72	675	0.4
21	Bilaspur	Chilhathi	8.8	1031		378	71	108	10.2	68	2	122	14	365	1.2
22	Bilaspur	Dagauri	7.8	744		372	18	60	12.2	19.2	27	70	30	300	0.5
23	Bilaspur	Dhanpur	7.4	658		195	67	54	8.5	47.5	0.6	58	22	235	1.8
24	Bilaspur	Gatori	8	466		289	21	3	7	11.5	2.1	60	10	240	0.4
25	Bilaspur	Gaurela	7.4	1058		299	89	62	13	97.3	1.8	78	29	315	0.1
26	Bilaspur	Hemunagar	7.7	1127		378	156	63	1.3	68	2.3	82	49	410	0.3
27	Bilaspur	Hirri	7.4	793		403	32	52	1.2	39.6	2.1	56	40	305	0.2
28	Bilaspur	Jingatpur	7.6	602		226	46	21	47	42.6	1	72	5	200	0.2
29	Bilaspur	Jogipur	7.9	508		305	32	6	6.5	40.7	0.7	46	20	205	0.1
30	Bilaspur	Kanteli 1	7.7	519		281	18	8	2.6	27.5	0.9	30	31	210	0.4
31	Bilaspur	Kenda	7.9	349		207	18	1	1.4	23	2.7	46	4	130	0.2
32	Bilaspur	Khamaria 1	7.9	494		244	25	16	13.9	12.9	1	58	19	225	0.5
33	Bilaspur	Khamaria 2	7.8	749		263	18	159	6.6	27.1	0.9	128	2	330	0.2
34	Bilaspur	Kota(kargi)	7.8	741		317	60	14	10.4	60.8	1.4	82	2	215	0.3
35	Bilaspur	Kotmil	7.1	406		116	50	13	26.5	22.3	1.4	38	14	155	0.4
36	Bilaspur	Malhar	7.9	1173		433	64	86	9	9.5	4.9	80	43	380	0.2
37	Bilaspur	Marwahi	7.3	409		305	36	13	48.5	21.1	3.3	44	13	165	0.4
38	Bilaspur	Patharia(Chor bhathi)	7.5	1914		24	99	509	24.8	125	5.2	90	108	675	0.5
39	Bilaspur	Piparkuti	7.3	514		152	46	30	41.2	31.2	1.5	50	18	200	1
40	Bilaspur	Ratanput	7.8	575		232	59	19	15.1	28.8	0.5	74	6	210	0.2
41	Bilaspur	Saraipali	7.8	896		427	71	21	63.6	37.4	1.4	34	67	365	0.4
42	Bilaspur	Seoni	7.9	331		250	32	9	0	29.9	2.7	38	14	155	1.1
43	Bilaspur	Sipat	7.7	544		232	39	13	29.7	19.9	6.2	50	28	240	0.5
44	Bilaspur	Tendua	7.9	696		360	18	19	4.6	10.6	0.6	90	18	300	0.4
45	Bilaspur	Tikhti	7.6	524		244	57	10	46	8.9	1.5	62	24	255	0.2
46	Dhamtari	Arsi-Kanhar	7.4	498		275	14	15	0	26.8	4.4	54	13	190	1
47	Dhamtari	Banraud	7	89		37	14	5	2	4.9	1	14	2	45	0.2
48	Dhamtari	Banspani	7.1	478		134	39	50	25.8	21.7	2.8	46	16	180	0.4
49	Dhamtari	Brigudi	7.1	397		110	50	15	26.8	11.2	6.5	44	10	150	0.3
50	Dhamtari	Chhati	7.2	526		220	43	21	0	23.4	1	40	19	180	0.6
51	Dhamtari	Dongardula	7.3	463		238	25	9	1.5	9.3	7.6	62	4	170	0.4
52	Dhamtari	Dugli	7.4	488		159	39	33	32.5	23.8	2	52	11	175	0.2
53	Dhamtari	Gattasilli	7.4	613		153	53	63	38.5	31.6	1.4	62	13	210	1.6
54	Dhamtari	Jabbara	7.4	195		78	11	20	3.5	10.8	3.6	16	7	70	1.5
55	Dhamtari	Keregaon	7.8	210		116	18	5	0	10.1	3.9	24	6	85	0.2
56	Dhamtari	Kondapara	7.6	707		183	60	39	11	31.3	0.8	66	19	245	0.7

57	Dhamtari	Kossmarra	7.6	706		214	36	37	56.8	37.2	26	82	12	255	0.5
58	Dhamtari	Kurud	7.7	711		244	43	37	30.3	38.9	1	42	12	180	0.6
59	Dhamtari	Magarlod	7.7	229		37	25	6	38.9	21.6	2.1	22	1	60	0.3
60	Dhamtari	Marod	7.8	728		275	46	19	0	29.3	1.2	76	19	270	0.8
61	Dhamtari	Nagari	7.8	965		177	170	54	3	47.7	8.3	126	14	375	0.4
62	Dhamtari	Sankra	7.9	361		171	31	11	0	12	1.6	16	6	165	0.5
63	Dhamtari	Sihawa	7.8	601		177	53	33	51.8	27	9.3	66	17	240	0.6
64	Dhamtari	singhpur	7.9	499		293	18	10	0	10	1.1	58	24	245	0.7
65	Durg	Ahiwara	7.6	715		177	85	42	63	28	1.5	100	11	295	0.2
66	Durg	Amaiekalam	7.6	1057		244	153	51	39.5	138	3.6	58	13	200	0.6
67	Durg	Anda	7.5	1400		256	209	100	72	58	4.5	182	17	525	0.4
68	Durg	Andhiyarkhor	7.7	733		281	21	100	16	67	1.3	62	19	235	0.6
69	Durg	Arjunda	7.4	1043		214	163	39	60	43.9	0.6	130	16	390	0.3
70	Durg	Balod	7.7	339		177	11	10	1.8	15	2.3	48	3.6	135	0.4
71	Durg	Bemetra	7.6	2280		244	39	763	8	38.9	2	378	13	1000	0.6
72	Durg	Berla	7.4	364		73	50	60	0	54	9.5	28	4	85	0.4
73	Durg	Bharnabhatu	7.7	347		153	21	14	5	12	0.2	54	1	140	0.6
74	Durg	Bhilai	7.5	554		104	64	50	55	41.4	2.9	60	5	170	0.1
75	Durg	Biranpur Kalan	7.6	792		317	64	41	15.8	85	0.7	50	24	225	0.6
76	Durg	Bitkuli	7.5	2320		238	28	1056	0	74	2.5	440	80	1445	1.1
77	Durg	Dalli-Rajhara	7.7	994		244	121	104	23	24	2.6	92	41	400	0.4
78	Durg	Dargaon	7.2	833		214	21	226	7.5	50.5	1.7	92	23	325	0.6
79	Durg	Deorbija	8	739		248	25	0	85	67.7	0.5	56	20	225	0.9
80	Durg	Dhamdha	7.6	800		268	60	62	34.6	45	9.6	78	22	285	0.5
81	Durg	Dhodi	7.6	955		348	99	42	67	48.3	0.2	66	47	370	0.5
82	Durg	DURG	7.5	1593		98	426	91	2	40	4	230	23	670	0.5
83	Durg	funda	7.7	523		146	50	23	20	15.6	0.3	80	1	205	0.2
84	Durg	Ganiyari	7.6	1127		244	188	42	33	21.7	1.3	122	28	465	0.4
85	Durg	Gatapara	8	1280		140	21	44	12	66	1.4	164	26	520	0.4
86	Durg	Gunderdehi	8.3	686		256	50	55	1.4	55	3	56	13	195	0.5
87	Durg	Gurur	8.3	520		253	43	5	5	12.6	1.8	72	18	255	0.4
88	Durg	Janegai	8	571		244	28	40	2	30	1	48	24	220	0.5
89	Durg	Jeora-Sirsa	7.7	788		195	99	80	75	38	18	104	12	310	0.3
90	Durg	Kachandur	7.6	740		250	117	0	5	36	1.5	68	29	290	0.4
91	Durg	Kcenapari	8	704		268	46	35	45	49.7	1	94	4	250	0.4
92	Durg	Khurmuri	7.3	2191		238	36	960	0	44	4.5	488	26	1330	0.8
93	Durg	Kodwa	7.8	584		281	28	10	9	30.7	0.9	58	19	225	0.4
94	Durg	Kusumkasa	7.8	766		445	14	0	0	28	1.2	42	34	245	0.3
95	Durg	Litai	8	385		165	11	21	24	8.7	0.8	60	6	175	0.2
96	Durg	Lohara	7.9	400		183	36	5	2	29	2.9	48	16	185	0.5
97	Durg	Markatola	8.2	400		227	25	0	3	22.6	2.4	52	7	160	0.3
98	Durg	Marra	7.4	938		220	131	21	67	49.9	1.8	106	14	325	0.2
99	Durg	Motipur	7.6	401		214	7	17	3	16.8	0.4	58	6	170	0.3
100	Durg	Nahaida	7.5	662		207	67	42	21	38	2.2	80	8	235	0.4
101	Durg	Nawaghar	8	713		268	32	100	8	62.5	1.1	76	18	265	0.5
102	Durg	Paipoda	8.1	730		329	36	44	20	42.5	2.1	68	29	290	0.4
103	Durg	Patan	7.8	497		146	53	15	45	29	2.1	70	2	185	0.4
104	Durg	Ravelidih	7.3	578		128	60	38	70	15.5	0.6	78	13	250	0.4
105	Durg	Sambalpur	8.1	417		220	21	5	11	11	0.5	68	2	169	0.5
106	Durg	Selud	7.8	401		159	25	39	7	13.8	0.4	62	7	185	0.2
107	Durg	Sikosa	7.2	888		232	92	50	70	50	4.9	114	6	315	0.5
108	Durg	Tarkori	7.8	1565		293	245	96	75	192	13	140	19	430	0.5
109	Durg	Uneradha	7.4	717		195	92	28	55	23	0.3	116	6	315	0.3
110	Durg	UtaiAdarshnagar	7.5	810		201	110	66	24	35.9	0.5	110	10	315	0.6
111	JanjgirChapa	Adbhar	8	777		311	25	163	2.1	75	1.8	58	16	210	0.6
112	JanjgirChapa	Akaltra	7.8	886		329	28	56	36.2	62	27	40	37	255	0.2

113	JanjgirChapa	Baloda	7.7	876		232	117	37	21.2	32.1	1	108	19	350	0.2
114	JanjgirChapa	Bamnidihi	7.8	593		250	32	9	19.4	46.9	0.6	68	2	180	0.2
115	JanjgirChapa	Champa	7.8	641		281	36	17	6.4	83	0.9	44	7	140	0.2
116	JanjgirChapa	Dabral	7.9	935		335	107	23	32.4	50.1	3.7	84	43	390	0.2
117	JanjgirChapa	Damau	7.9	427		250	7	2	9.2	5.9	2.4	56	17	210	0.4
118	JanjgirChapa	Dhardei	7.7	2480		323	231	352	68.7	100	16	250	43	800	0.2
119	JanjgirChapa	Ghoghari	7.7	793		353	67	25	15	43.3	1.1	58	46	335	0.3
120	JanjgirChapa	Hasoud	7.8	1104		561	60	42	2.2	70	2.6	50	48	325	0.4
121	JanjgirChapa	Jaijaipur	7.5	1021		214	137	38	24.8	39.7	1	80	56	435	0.3
122	JanjgirChapa	Janjgir	8	841		256	82	40	20.5	53	0.9	86	22	305	0.2
123	JanjgirChapa	Jewara	7.3	702		195	64	31	80	26.6	21	90	6	250	0.3
124	JanjgirChapa	Keregaon	7.8	709		262	57	29	17.8	2.9	18	80	26	310	0.2
125	JanjgirChapa	Khartal	8.3	781		232	99	28	9	49.1	7.5	58	36	295	0.2
126	JanjgirChapa	Latesara	7.4	940		244	89	93	36.8	72.3	3.4	94	18	285	0.3
127	JanjgirChapa	pangarh	7.8	520		281	28	6	22.5	16.4	0.7	56	20	225	0.2
128	JanjgirChapa	Sakti	8.3	1432		543	75	65	0.25	290	3.1	30	7	105	0.4
129	JanjgirChapa	Saragaon	8	632		299	107	70	22.7	57.7	1.5	102	12	305	0.3
130	JanjgirChapa	Sasaha	7.5	652		348	39	20	6.6	33.4	0.9	50	32	260	0.2
131	JanjgirChapa	Semra	8	503		159	57	8	21.4	13.5	0.2	86	4	230	0.2
132	JanjgirChapa	Seorinarayan	7.9	1007		311	75	42	79	35	19	108	23	365	0.2
133	JanjgirChapa	Sukda	8.3	422		262	11	2	2.7	16.2	0.2	60	13	205	0.6
134	JanjgirChapa	Thathari	7.5	1140		421	67	48	28.6	31.5	1.3	60	80	485	0.2
135	Jaspur	Bagicha	7.7	254		110	36	14	3.9	7.1	0.9	16	16	105	0.9
136	Jaspur	Balachhapar	7.9	134		49	11	13	5.9	1.7	0.9	20	4	65	0.9
137	Jaspur	Bangaon	7.7	595		220	60	15	29.3	39.2	1.1	68	5	195	0.4
138	Jaspur	Bataikela	7.5	628		165	57	12	80	15	1.7	34	41	155	0.4
139	Jaspur	Bewrapali	7.7	202		73	11	9	28	8.3	1.1	26	4	80	0.5
140	Jaspur	Bildeg	8.5	413		122	43	13	32.3	8.4	1	52	17	200	0.5
141	Jaspur	Binjapur	7.5	352		61	64	20	24.8	25.4	7	38	6	120	0.2
142	Jaspur	Farsabahar	7.6	266		92	28	13	16.2	11.3	0.6	32	2	90	0.3
143	Jaspur	Kachhar	7.7	413		146	50	22	13.1	16.2	3.5	56	6	165	0.9
144	Jaspur	Kandaibahar	7.7	387		140	39	11	25	11	0.3	50	10	170	0.3
145	Jaspur	Kersai	7.8	376		153	32	12	11	30.9	0.9	38	4	110	0.6
146	Jaspur	Kotba	7.2	303		128	36	12	0	20.5	2.3	24	11	105	1
147	Jaspur	Kunjara	8.1	480		158	43	10	24	17.5	1	26	29	185	0.4
148	Jaspur	Kunkuri	7.4	202		31	36	14	2	17.6	0.7	16	2	50	1.5
149	Jaspur	Ludeg	7.7	819		244	128	19	1	24.6	1.7	112	16	345	0.4
150	Jaspur	Muskuti	8.1	282		104	25	14	8.5	15	2.2	58	11	100	0.7
151	Jaspur	Narayanbehli	7.5	338		134	36	17	11.9	25.5	1.6	20	13	105	0.6
152	Jaspur	Nawaguda	7.8	302		122	21	13	2	7.4	2.4	44	5	130	0.3
153	Jaspur	Pathalgaon	7.6	795		201	121	13	39.2	23.8	1.7	96	13	295	0.9
154	Jaspur	Peta	7.5	227		73	32	14	10.2	10.9	1.6	24	7	90	0.5
155	Jaspur	Phooldhi	7.95	166		67	14	0	0	10.7	0.9	22	2	65	0.9
156	Jaspur	Raikera	7.6	95		31	7	17	3.8	5.9	0.8	12	1	35	0.5
157	Jaspur	Saraipali	7.6	231		73	14	8	24.2	10.3	1.1	40	2	90	0.6
158	Jaspur	Tapkara	8.1	389		177	28	16	0	18.1	0.8	36	13	145	0.4
159	Kanker	Charama	8	280		119	18	5	19	18.5	0.9	32	6	105	0.5
160	Kanker	Kankar	8	281		124	25	0	0	26.5	1.2	30	4	90	2.1
161	Kanker	Kulgaon	8.2	640		333	28	5	12	26.5	0.4	82	16	270	0.9
162	Kanker	Lakhanpuri	8	280		121	18	0	19	19.7	0.9	28	8	105	0.5
163	Kawardha	Bodla	7.6	668		287	39	73	13.5	20.3	3.6	48	35	265	0.4
164	Kawardha	Chilpi	7.6	565		281	18	23	9	34.4	1.1	58	17	215	0.4
165	Kawardha	Dangania	7.9	730		323	36	30	32	35	0.9	80	20	285	0.6
166	Kawardha	Kapada	7.2	670		311	18	49	8.7	40	0.9	54	28	250	0.5
167	Kawardha	Kawardha	7.3	589		311	14	27	7	48	0.6	70	7	205	0.3
168	Kawardha	Kharada Kalan	7.7	709		409	7	13	0	84	0.7	50	13	185	0.4
169	Kawardha	Kui	7.7	906		293	67	50	85	26	1.3	96	40	405	0.5
170	Kawardha	Menemuna	7.8	1193		372	149	10	85	78	1	128	13	375	0.3

171	Kawardha	Pandariya	7.1	528		299	11	5	0	45	0.9	54	6	160	0.5
172	Kawardha	Sagauna	7.6	240		140	7	0	0	13.5	0.5	44	1	105	0.2
173	Kawardha	Sahaspurlohar a	7.7	982		226	92	141	40	105	1	80	10	260	0.8
174	Kawardha	Saraipatera	7.8	385		165	4	40	4	8	0.5	34	17	155	0.3
175	Kawardha	Uriakhurd	7.7	532		268	21	26	3	45	0.7	58	7	175	0.3
176	Korba	Pali	7.5	295		128	7	9	2.2	4.4	3.6	30	6	100	0.8
177	Korba	Bandha	7.6	424		189	32	12	14.4	10.1	2.1	44	20	195	0.2
178	Korba	Chitma	8	545		250	25	56	0	64.7	0.9	38	7	125	3.1
179	Korba	Gopalpur	7.7	602		226	43	36	7	23.8	0.5	62	11	200	0.3
180	Korba	Gurusia	8.1	369		195	21	11	6.1	4.7	1.5	58	12	195	0.4
181	Korba	Jatga	7.7	309		140	14	15	58.8	15.4	3.9	38	5	115	0.4
182	Korba	Kartala1	7.4	377		79	21	4	71.5	9.7	18	20	7	95	0.2
183	Korba	Katghora	7.8	632		299	43	35	0	69.8	5.5	44	7	140	0.3
184	Korba	Korba	7.8	948		275	82	72	82.3	64	24	66	28	280	0.2
185	Korba	Kurtha	8.1	79		55	25	4	0	11.7	4.9	20	1	55	0.3
186	Korba	Madai	8.2	498		244	36	16	3.4	33.4	6	60	12	200	0.4
187	Korba	Morga	8.14	288		128	25	5	0	21.6	1.9	30	6	100	0.9
188	Korba	Nagai	7.3	400		128	39	10	28.6	22.1	1.2	42	11	150	0.2
189	Korba	Nawaparachoti	7.8	385		134	43	3	31.6	7.2	2	54	12	185	0.6
190	Korba	Pasan	7.3	394		146	43	15	27.9	22	1	36	22	180	0.5
191	Korba	Pondi	8.2	512		275	28	5	2.5	39.5	0.6	50	16	190	0.9
192	Korba	Salihabhat	7.8	230		98	25	10	15.4	8.5	3.9	22	12	105	0.2
193	Korba	Tuman	7.6	249		128	14	10	4.4	14.1	2.2	26	12	115	0.2
194	Korba	Urgal	7.6	323		92	32	27	16.2	26	1.4	16	13	95	0.5
195	Koriya	Baharsi.i	8.3	509		159	50	25	38.6	26.3	1	72	5	200	0.5
196	Koriya	Baikunthpur	8.3	206		79	25	3	16.6	10.2	0.5	26	6	90	0.5
197	Koriya	Belbehra	8.3	306		122	36	8	12	3.6	0.6	56	2	150	0.3
198	Koriya	Jankpur	8.3	387		146	32	22	14	6	4.8	48	17	190	0.6
199	Koriya	Kelhari	8.2	225		67	39	6	24	11.2	1.3	30	2	85	0.4
200	Koriya	Khadgaon	8.3	153		43	32	6	1.2	20.6	1.2	10	2	35	0.2
201	Koriya	Khatgori	7.9	98		37	7	1	14	0.5	0.8	10	5	45	0.6
202	Koriya	Kuwarpura	8.4	389		183	32	16	0	32	2.5	50	2	135	0.6
203	Koriya	Manendraghar	8.3	329		140	36	8	5	14.4	0.9	38	12	145	0.6
204	Koriya	Mansukha	8.2	307		179	25	2	4	6.5	1.9	40	16	165	0.6
205	Koriya	Pendri	8.5	555		232	57	5	8	53.8	1	52	5	150	1.5
206	Koriya	Pouri	7.7	394		189	14	3	1	12.5	8	28	16	135	0.5
207	Koriya	Ranai	7.8	312		73	50	17	36	24.7	11	24	8	95	0.2
208	Koriya	Sarbhoka	8.1	197		67	25	4	13.3	4.7	0.8	28	4	85	0.9
209	Koriya	Sonhat	8.4	135		134	11	1	0	13.1	0.9	36	2	100	0.3
210	Koriya	Tarabhar	8.3	496		238	25	24	18	4.1	5.5	62	22	249	0.3
211	Koriya	Tilokhan	8.1	577		146	57	27	39.5	24.2	0.5	74	7	220	0.5
212	Koriya	Ujiyerpur	8	161		85	14	4	3.8	8.7	0.5	22	4	70	0.5
213	Mahasamund	Bagbahara	7.8	1118		195	142	103	94	78.8	4.4	116	12	240	0.2
214	Mahasamund	Baldidih	7.9	823		226	142	50	7	37.9	0.8	80	29	320	0.9
215	Mahasamund	Basna	7.9	667		201	53	54	5.6	41.7	4.2	50	23	220	0.7
216	Mahasamund	Bodesara	7.6	1469		315	184	23	75	60.7	2.4	150	42	550	0.2
217	Mahasamund	Jagdishpur	7.9	628		299	50	17	8.7	53.9	0.6	44	29	230	2.7
218	Mahasamund	Jhalap	7.9	418		140	28	25	4	20.1	0.8	38	18	170	0.8
219	Mahasamund	Khallari	8	385		183	60	13	0	13.7	1	44	16	175	2.2
220	Mahasamund	Mahasmund	7.9	261		18	53	2	38.6	8.5	1.5	34	4	100	0.1
221	Mahasamund	Phusera	7.9	464		159	78	9	3	7.5	12	52	18	205	0.9
222	Mahasamund	Pithora	7.9	639		177	39	57	25.6	47.4	5.2	58	1	195	0.3
223	Mahasamund	Sagarpali	8	580		159	89	33	0	15	0.3	36	44	275	0.6
224	Mahasamund	Saraipali	7.9	1035		262	180	76	26.4	89.6	5.9	64	29	280	0.9
225	Mahasamund	Sirpur	8.1	649		336	36	7	5.6	14.6	34	76	14	250	0.4
226	Mahasamund	Suamar	8.1	688		256	71	11	2.4	25.4	10	96	7	270	0.5

227	Mahasamund	Tendukona	8.1	1837		506	291	41	7.2	170	129	92	12	280	0.4
228	Mahasamund	Tumgaon	7.6	270		43	43	7	26.5	14	2.9	28	5	90	0.1
229	Raighar	Amapale	7.3	76		24	11	20	0	2.7	0.7	10	12	35	0
230	Raighar	Bakanema	7.6	758		220	75	15	87.6	19.1	4.5	94	16	295	0.3
231	Raighar	Barpali	7.14	131		31	18	20	7.8	3.2	3	12	6	55	0.3
232	Raighar	Bayasi	7.4	205		73	21	19	12	8.4	11	22	2	65	0.3
233	Raighar	Chaple	7.9	702		214	93	20	19	10.7	0.5	50	22	255	0.6
234	Raighar	Chhal	7.5	600		275	14	16	1	21.4	1.4	70	8	215	0.5
235	Raighar	Dharijaygarh	7.6	568		140	75	20	31.1	42.5	16	40	7	150	0.3
236	Raighar	Dumarpali	8	590		275	28	23	0	28.1	15	40	28	215	1.1
237	Raighar	Edu	7.5	234		61	43	14	4.7	8.4	5.5	28	7	100	0.3
238	Raighar	Farkanara	7.8	576		171	53	20	44.8	20.9	19	58	12	195	0.2
239	Raighar	Gharghoda	8.1	380		189	128	19	0	7	2	52	7	165	0.6
240	Raighar	Golabuda	7.7	148		43	11	21	11.4	9.8	2.1	16	2	50	1
241	Raighar	Hati	7.2	129		24	18	23	22.7	5.6	6.3	8	4	35	0.2
242	Raighar	Hirri	7.7	412		195	11	16	9.6	17.4	0.7	50	96	165	0.1
243	Raighar	isrinagar	7.5	805		85	160	14	60	37.8	10	80	16	275	0.4
244	Raighar	Kapu	7.6	501		31	71	23	89	27	4.4	50	5	145	0.2
245	Raighar	Kerajhar	7.6	92		24	18	12	3	6	2.2	12	2	40	0.1
246	Raighar	Khadgaon	7.7	198		61	39	10	6.2	24.1	0.7	8	7	50	0.6
247	Raighar	Kharsiya	7.5	1004		177	185	18	26	55.6	1.1	116	18	365	0.5
248	Raighar	Kundekela	7.9	356		159	28	18	3	7.7	17	40	8	135	1
249	Raighar	Laikunda	7.6	503		92	75	20	39.7	34.5	2.2	50	10	165	0.2
250	Raighar	Lipti	7.2	65		18	7	22	0	6.5	2.8	2	1	10	0.2
251	Raighar	Munund	8	89		24	14	10	0	2.3	0	14	1	40	0.2
252	Raighar	Raigarh	7.6	926		226	78	29	0	44.5	1.3	102	6	315	0.5
253	Raighar	Raikera	7.6	212		104	18	13	18.2	14.6	5	26	2	75	0.5
254	Raighar	Rajpur	7.6	631		140	88	21	38.2	28.6	2.2	74	11	230	0.3
255	Raighar	Reda	7	500		189	53	15	0	19.6	3.4	64	16	225	0.4
256	Raighar	Samaruma	7.2	93		37	4	14	11	2.3	0.6	8	4	35	0.1
257	Raighar	Tetla	7.7	906		366	89	23	0	68.6	1.8	102	18	325	0.5
258	Raipur	Abhanpur	7.9	626		293	36	8	8.5	41.9	0.8	50	18	200	0.3
259	Raipur	Amethi	7.8	391		153	32	7	15.7	25.6	0.9	46	7	145	0.6
260	Raipur	Arang	8.1	1145		451	114	6	7.4	47.7	6.7	136	5	360	0.5
261	Raipur	Arguni	8	1165		262	160	34	45	50.9	4.1	134	16	405	0.3
262	Raipur	Bajrangpur	7.9	1310		266	195	6	6.1	60.1	4.7	124	24	410	0.3
263	Raipur	Balodabazar	8.4	634		250	50	16	11	100	2.3	36	2	100	1.5
264	Raipur	Bhatgaon	8	3020		512	571	95	11.9	232	9.6	68	8	520	1.4
265	Raipur	Bilaighar	8.1	999		311	99	17	29.2	54.1	3.2	80	6	240	0.4
266	Raipur	Chandi	7.9	304		153	106	7	5.7	58.8	0.2	50	4	140	0.5
267	Raipur	Chhura	7.6	253		31	32	9	32.6	12.6	1.1	28	1	75	0.2
268	Raipur	Chicholi	7.7	1041		238	99	35	70	51.7	27	84	17	280	0.3
269	Raipur	Damakheda	7.8	1046		323	89	119	42	78.5	5.6	100	40	415	0.2
270	Raipur	Deopuri	7.7	1105		238	160	28	14	58.1	3.4	124	11	145	0.3
271	Raipur	Devri	8.1	579		329	25	6	0	39.7	11	76	2	200	0.7
272	Raipur	Dharsiwa	7.4	1256		189	149	100	145	78	6.4	156	11	435	0.4
273	Raipur	Fingeshwar	8	326		128	28	2	6.4	9.8	1.5	38	7	125	0.3
274	Raipur	Gariyabandh	7.8	686		189	96	6	3.2	44.1	9.7	74	13	240	0.3
275	Raipur	Haswa	8.1	482		183	46	2	20.9	39.6	1.3	66	2	175	0.2
276	Raipur	Jhalkmhar	7.8	294		98	28	8	7.3	9.1	0.6	30	11	120	1.7
277	Raipur	Kasdol	7.8	460		177	28	10	9.4	25	3.5	52	8	165	0.5
278	Raipur	Kharora	8.2	288		140	14	4	6.5	29.9	0.3	28	4	85	0.4
279	Raipur	Lawan	7.7	1997		500	291	53	55	235	3.5	100	40	415	0.5
280	Raipur	Mana	7.6	908		171	128	22	85	49.8	19	104	10	300	0.3
281	Raipur	Mandalpur	7.9	334		55	50	9	22.7	25.8	4.4	26	8	100	0.1
282	Raipur	Mandirhasod	8.1	454		165	25	8	33	46.1	0.4	64	2	170	0.4
283	Raipur	Palari	7.8	1189		244	199	13	4.7	48.2	5.7	138	23	440	0.7
284	Raipur	Panduka	7.8	228		85	21	8	2.1	23	1.9	24	7	90	0.5
285	Raipur	Ranisagar	8.2	1109		329	124	17	60	61.3	1.1	108	31	400	0.5

286	Raipur	Sandi	8.1	685		287	50	8	2.8	42.4	2.9	82	10	245	0.8
287	Raipur	Saragao	8.2	350		171	21	8	8.4	25.6	5.6	48	2	130	0.2
288	Raipur	Sarsiwa	7.4	1068		214	156	27	33	49.1	21	126	11	360	0.4
289	Raipur	Simga	7.9	909		323	25	123	6.5	72.3	10	66	34	305	0.2
290	Raipur	Sursabhata	8.1	732		360	43	5	10	53.8	0.4	54	32	270	1.2
291	Raipur	Tarenga	7.6	989		299	43	172	7.7	72	2.2	86	37	370	0.3
292	Raipur	Tarpongi	7.3	962		250	117	50	38.8	51	4.1	122	18	380	0.2
293	Raipur	Umariyastation	8.1	509		268	18	6	2.6	4.3	40	60	6	175	0.5
294	Rajnandgaon	Baigatola	7.8	1353		537	114	40	36.6	114.3	0.6	48	77	440	0.9
295	Rajnandgaon	Bateia	7.9	486		177	39	48	1.6	29.6	2.7	50	14	185	0.5
296	Rajnandgaon	Cheeikadana	7.5	1146		201	149	142	11.7	46	0.8	122	46	495	0.8
297	Rajnandgaon	Chinckola	7.8	1158		281	149	131	65	104	0.9	90	32	360	0.2
298	Rajnandgaon	Chirchari	7.7	536		122	57	54	40	25	0.6	40	25	206	0.4
299	Rajnandgaon	Dhaba	7.2	350		79	36	29	38	12	2.2	30	18	150	0.4
300	Rajnandgaon	Dhara	7.9	1552		494	167	75	65	114.4	17	70	90	550	1.2
301	Rajnandgaon	Dongargarh	7.2	958		98	138	72	100	60	13	94	16	300	0.2
302	Rajnandgaon	Gandai	7.9	519		275	14	21	7	54.6	1.5	46	10	155	0.1
303	Rajnandgaon	Gangai-pandariya	7.8	823		317	28	100	17.5	18.4	1.3	66	46	355	0.4
304	Rajnandgaon	Khairagarh	7.7	207		95	7	25	0	4.9	1.7	24	12	110	0.4
305	Rajnandgaon	Lalbahadurnagar	7.9	170		49	25	0	11	13.5	0.2	18	2	55	0.4
306	Rajnandgaon	Rajnandgaon	7.9	1150		433	96	128	1	158.6	1.3	66	30	290	0.8
307	Rajnandgaon	Rangkathera	7.6	621		311	18	21	5.7	42	0.5	56	23	235	0.5
308	Rajnandgaon	Ranitarai	7.3	1610		214	302	130	42	88.6	4.7	180	28	565	0.5
309	Rajnandgaon	Rivagahan	8	1000		262	131	76	31	118	2.4	82	8	240	0.6
310	Rajnandgaon	Salgapat	7.6	533		281	18	21	0	32	1.3	62	11	210	0.3
311	Rajnandgaon	Salhebhara	8	435		232	7	25	3	15.7	0.4	50	17	195	0.4
312	Rajnandgaon	Saloni	8	484		207	21	28	18.3	10	0.6	68	10	210	0.4
313	Rajnandgaon	Seingola	7.6	723		214	71	36	45	51	0.8	86	11	260	0.6
314	Rajnandgaon	Somni	7.7	514		275	14	19	4	50.5	1.2	46	10	160	0.4
315	Rajnandgaon	Talai	8	435		214	14	3	15	15	0.6	62	6	180	0.2
316	Rajnandgaon	Tappa	8	320		140	18	17	6	8.3	0.9	26	19	145	0.2
317	Rajnandgaon	Thekadhi	7.7	524		165	46	35	38	11.5	0.3	90	2	235	1
318	Rajnandgaon	Uraidabritola	8.1	544		232	43	9	21	25	1	80	4	215	2.9
319	Surguja	Ajbnagar	7.6	90		37	7	5	5	1.6	8.7	8	4	35	0.3
320	Surguja	Ambikapur	8.1	183		61	21	5	14.3	6.7	0.9	22	5	75	0.3
321	Surguja	Aragahi	8.1	391		158	43	37	39.8	30.5	1.2	50	2	145	0.7
322	Surguja	Badsara	8.2	173		92	7	3	4.5	2.2	1.6	24	5	80	0.4
323	Surguja	Baghima	8.3	303		165	18	9	2	9.4	3.5	40	5	120	0.5
324	Surguja	Balrampur	8.1	264		134	14	4	6.6	13.9	1	32	7	110	0.7
325	Surguja	Bandana	8.3	388		183	28	14	1.6	11.7	2	44	16	175	0.4
326	Surguja	Batauli	8.3	445		183	32	18	19	12.1	6	62	17	215	0.7
327	Surguja	Bhadari	8	154		55	25	2	21.1	12.2	0.5	14	6	60	0.4
328	Surguja	Bulga	7.7	328		37	75	6	37	14.3	2.1	36	6	115	0.3
329	Surguja	Chandora	8	146		73	14	1	10	6.9	0.8	10	7	55	0.5
330	Surguja	Darima	7.9	367		134	39	12	27	11	0.6	46	10	155	0.4
331	Surguja	Deonagar	8.2	443		153	64	13	14.1	23	0.7	26	20	160	0.4
332	Surguja	Dhamni	7.7	987		299	89	65	100	48.7	1.5	8	73	325	0.7
333	Surguja	Dhangaon	8	320		128	28	10	13.7	12.9	0.5	26	25	155	0.5
334	Surguja	Dhaurpur	8.1	333		165	28	16	0	12	3.6	20	19	130	0.4
335	Surguja	Ganeshpur	8.1	241		92	25	11	19	18.4	0.5	20	6	75	0.6
336	Surguja	Gonda	8.1	67		18	11	2	6	3.1	3.5	6	1	20	0.2
337	Surguja	Jagannathpur	8.2	491		146	75	8	36.5	19.3	1.5	32	22	170	0.5
338	Surguja	Jaynagar	8.1	76		24	11	9	15.2	4.1	6.5	8	1	25	0.2
339	Surguja	Jhasi	8.1	267		122	21	6	1	22.3	1.3	28	1	65	0.4
340	Surguja	Kamleshpur	8.4	350		170	28	13	0	40	10	22	4	70	0.4
341	Surguja	Kramdiha	8.2	148		55	21	3	0	9.2	2.4	14	4	50	0.3

342	Surguja	Kunni	7.7	236		36	53	6	30.5	10	5	16	13	95	0.3
343	Surguja	Lamgaon	8.2	739		256	46	90	43.5	19.7	0.3	120	10	340	0.4
344	Surguja	Latori	8.1	237		98	25	12	0	6.1	2.6	30	7	105	0.6
345	Surguja	Laxmanpur	8.2	789		293	71	11	55	39.3	1	94	19	315	0.6
346	Surguja	Mahavirganj	8.1	612		250	53	24	9.9	52.6	1	46	22	205	0.7
347	Surguja	Makanpur	7.9	199		85	11	23	0	2.8	4.1	34	19	105	0.5
348	Surguja	Mangari	8	141		73	14	1	9.7	5.8	5	16	4	55	0.3
349	Surguja	Meahewa	8.4	528		299	18	10	0	49.4	2.8	66	6	190	0.8
350	Surguja	Nawapara	7.9	92		24	21	7	10.1	4.1	5.7	8	4	35	0.2
351	Surguja	Odigi	7.9	636		238	53	31	21.3	44.5	0.9	66	14	225	1
352	Surguja	Parsa	8.4	487		293	11	3	0	23.1	1.1	60	16	215	0.6
353	Surguja	Partapghar	8.1	740		214	36	150	0	46.2	0.3	90	4	240	0.9
354	Surguja	Pasta	8.2	289		140	21	5	1	13.1	2.1	32	12	130	0.4
355	Surguja	Pratappur	7.8	555		305	21	7	0	17.6	0.1	48	26	230	2
356	Surguja	Premnagar	7.2	239		31	57	1	10	4.2	1.7	28	14	130	0.3
357	Surguja	Rajpur	7.7	494		214	36	34	0	16.4	2.3	50	16	190	0.4
358	Surguja	Ramanuganj	7.4	244		244	36	34	38	53.5	0.7	60	6	175	0.7
359	Surguja	Ramanuj nagar	7.4	24		24	11	1	12	1.7	1.1	10	5	45	0.2
360	Surguja	Reonti	7.3	12		12	21	5	0	2.9	0.3	8	4	35	0.2
361	Surguja	Sirsi	6.4	18		18	36	16	37.1	11.8	1	28	5	90	0.3
362	Surguja	Songara	7.5	171		171	18	6	4.4	13.8	0.1	44	6	135	0.4
363	Surguja	surajpur	8.1	37		37	110	108	0	84.5	0.1	28	7	110	3
364	Surguja	Tara	7.7	408		85	60	19	0	38.3	1.5	38	8	130	1.6
365	Surguja	Tattapani	7.9	1042		409	67	98	6	59.4	7	72	26	290	0.2
366	Surguja	Udaipur	7.6	507		205	50	58	37.2	24.2	0.1	68	16	235	0.5
367	Surguja	Udaipur Dhah	7.8	506		226	28	25	11.4	22.3	0.4	66	8	200	0

BASIN_NAME	DEPTH	DISTRICT_NAME	LATITUDE	LOCAL_GEOLOGY	LONGITUDE	SITE_NAME
Lower Ganges	9.9	KORIYA	23°35'36" N	Not Available	81°45'47" E	Ara
Lower Ganges	6.9	KORIYA	23°35'36" N	Not Available	81°45'47" E	Ara new
Lower Ganges	8.48	KORIYA	23°36'45" N	Compact Sandstone	81°51'15" E	Baharsi
Lower Ganges	5.52	KORIYA	23°36'45" N	Compact Sandstone	81°51'15" E	Baharsi.1
Lower Ganges	5.4	KORIYA	23°34'25" N	Compact Sandstone	81°57'0" E	Chutki
Lower Ganges	10	KORIYA	23°43'0" N	Compact Sandstone	81°47'45" E	Janakpur
Lower Ganges		KORIYA	23°43'0" N		81°48'0" E	Janakpur_52
Lower Ganges	11.52	KORIYA	23°24'55" N	Compact Sandstone	82°2'55" E	Kelhari
Lower Ganges	9.35	KORIYA	23°35'52" N	Shale With Limestone/S&	81°42'39" E	Kiwarpur
Lower Ganges	9	KORIYA	23°18'24" N	Not Available	82°40'7" E	Patna
Lower Ganges	10.77	KORIYA	23°40'15" N	Compact Sandstone	82°25'20" E	Ramgarh
Lower Ganges	13.06	KORIYA	23°16'50" N	Compact Sandstone	82°42'10" E	Ranai
Lower Ganges	14	KORIYA	23°16'50" N	Compact Sandstone	82°42'10" E	Ranai1
Lower Ganges	8.83	KORIYA	23°24'40" N	Compact Sandstone	82°10'50" E	Tarabahara
Lower Ganges	10	KORIYA	23°29'0" N	Compact Sandstone	81°59'0" E	Tilokhan
Lower Ganges	7	SURGUJA	23°10'23" N	Not Available	82°44'3" E	Bhuvneshwarpur
Lower Ganges	117.64	SURGUJA	23°8'30" N	Compact Sandstone	83°7'10" E	Ajabhnagar EW
Lower Ganges	59.3	SURGUJA	23°8'30" N	Compact Sandstone	83°7'10" E	Ajabhnagar1
Lower Ganges	6	SURGUJA	23°9'15" N	Compact Sandstone	83°6'30" E	Ajabnagar
Lower Ganges	11.14	SURGUJA	23°6'30" N	Compact Sandstone	83°12'0" E	Ambikapur
Lower Ganges	49.1	SURGUJA	23°6'30" N	Compact Sandstone	83°12'0" E	Ambikapur-D
Lower Ganges	30.94	SURGUJA	23°6'30" N	Compact Sandstone	83°12'0" E	Ambikapur-s
Lower Ganges		SURGUJA	23°7'0" N		83°11'30" E	Ambkpr_o_51
Lower Ganges		SURGUJA	22°57'3" N	Not Available	83°0'19" E	Amgachi
Lower Ganges	11.2	SURGUJA	23°45'15" N	Granite/Granodiorite	83°41'0" E	Aragahi
Lower Ganges	8	SURGUJA	23°18'3" N	Gneiss/Amphibolite/Gra	83°34'32" E	Bachwar
Lower Ganges	10.3	SURGUJA	23°20'40" N	Sandy Shale	82°46'15" E	Badsara
Lower Ganges	6	SURGUJA	23°14'30" N	Compact Sandstone	83°18'50" E	Baghima
Lower Ganges	18	SURGUJA	23°35'25" N	Granite/Granodiorite	83°37'0" E	Balrampur
Lower Ganges	50	SURGUJA	23°35'25" N	Granite Gneiss	83°37'0" E	Balrampur D
Lower Ganges	32.55	SURGUJA	23°35'25" N	Granite Gneiss	83°37'0" E	Balrampur S
Lower Ganges	209.53	SURGUJA	23°12'0" N	Compact Sandstone	83°9'0" E	Balseri EW
Lower Ganges	69	SURGUJA	23°12'0" N	Compact Sandstone	83°9'0" E	Balseri OW
Lower Ganges	150	SURGUJA	22°50'18" N	Granite/Granodiorite	83°24'58" E	Bandana-EW
Lower Ganges	8.42	SURGUJA	23°14'30" N	Compact Sandstone	83°18'50" E	Barion
Lower Ganges	148.82	SURGUJA	23°20'37" N	Shale	82°46'5" E	Barsara EW
Lower Ganges	340	SURGUJA	23°39'45" N	Compact Sandstone	83°13'5" E	Bartikalan EW
Lower Ganges	150	SURGUJA	22°59'17" N	Granite/Granodiorite	83°24'11" E	Batauli EW
Lower Ganges		SURGUJA	23°19'57" N	Not Available	83°30'32" E	Bhadar
Lower Ganges	6.75	SURGUJA	23°19'59" N	Shale With Limestone/S&	83°30'31" E	Bhadori
Lower Ganges	31.01	SURGUJA	23°24'15" N	Gneiss/Amphibolite/Gra	82°52'0" E	Bhaiyathan
Lower Ganges	150	SURGUJA	23°23'23" N	Granite/Granodiorite	82°51'8" E	Bhaiyathan EW
Lower Ganges	150	SURGUJA	23°10'16" N	Basic Dyke/Pipe/Sill	83°14'22" E	Bhakura EW
Lower Ganges	10	SURGUJA	23°35'4" N	Not Available	83°9'21" E	Bhediya
Lower Ganges	131.23	SURGUJA	23°4'48" N	Granite/Granodiorite	83°8'47" E	Bhittikalan -EW
Lower Ganges		SURGUJA	23°11'6" N	Not Available	82°59'20" E	Bishrampur
Lower Ganges	11	SURGUJA	23°6'0" N	Compact Sandstone	83°21'15" E	Bulga
Lower Ganges	7.01	SURGUJA	23°30'40" N	Compact Sandstone	83°9'25" E	Chandora
Lower Ganges	60	SURGUJA	23°11'0" N	Compact Sandstone	83°8'0" E	Chatirama EW
Lower Ganges	54.5	SURGUJA	23°34'2" N	Compact Sandstone	82°37'48" E	Chhatrag EW
Lower Ganges	8.35	SURGUJA	23°0'11" N	Sandstone With Shale/C	83°13'49" E	Darima
Lower Ganges	196	SURGUJA	23°15'45" N	Compact Sandstone	82°58'0" E	Datima EW
Lower Ganges	67.09	SURGUJA	23°15'45" N	Compact Sandstone	82°58'0" E	Datima OW

Lower Ganges	139.18	SURGUJA	23°17'17" N	Granite/Granodiorite	83°43'14" E	Deepadih Kalan EW
Lower Ganges	8.3	SURGUJA	23°14'24" N	Compact Sandstone	82°48'12" E	Deonagar
Lower Ganges	99.93	SURGUJA	23°3'45" N	Sandstone With Shale/C	82°57'15" E	Deotikara EW
Lower Ganges	11.7	SURGUJA	23°47'20" N	Gneiss/Amphibolite/Gra	83°25'30" E	Dhamni
Lower Ganges	9	SURGUJA	23°11'42" N	Gneiss/Amphibolite/Gra	83°26'18" E	Dhaurpur
Lower Ganges	50	SURGUJA	23°11'42" N	Granite Gneiss	83°24'48" E	Dhaurpur S
Lower Ganges	7.3	SURGUJA	23°17'2" N	Not Available	83°11'11" E	Dwarikanagar
Lower Ganges	16.47	SURGUJA	23°25'45" N	Compact Sandstone	83°3'30" E	Gonda
Lower Ganges	8.35	SURGUJA	23°22'43" N	Sandstone	83°11'42" E	Jagannathpur
Lower Ganges	10.28	SURGUJA	23°11'5" N	Compact Sandstone	82°58'18" E	Jaynagar
Lower Ganges	10.2	SURGUJA	23°17'21" N	Compact Sandstone	82°52'15" E	Jhasi
Lower Ganges	9.5	SURGUJA	23°14'50" N	Gneiss/Amphibolite/Gra	83°12'0" E	Kalyanpur
Lower Ganges	21.27	SURGUJA	22°49'45" N	Basalt	83°17'17" E	Kamleswarpur
Lower Ganges	10.17	SURGUJA	23°48'50" N	Gneiss/Amphibolite/Gra	83°16'50" E	Karmdiha
Lower Ganges	118	SURGUJA	23°25'50" N	Sandstone With Shale/C	83°6'0" E	Kewera EW
Lower Ganges	62.83	SURGUJA	23°25'50" N	Sandstone With Shale/C	83°6'0" E	Kewera OW
Lower Ganges	129.58	SURGUJA	23°19'4" N	Granite/Granodiorite	82°55'2" E	Khopa EW
Lower Ganges	9.7	SURGUJA	22°52'0" N	Granite/Granodiorite	83°4'0" E	Kunni
Lower Ganges		SURGUJA	23°17'0" N		83°54'30" E	Kusami_51
Lower Ganges	12	SURGUJA	23°16'46" N	Not Available	83°54'15" E	Kusmi Dw
Lower Ganges	6.7	SURGUJA	23°2'57" N	Shale With Limestone/S	83°20'24" E	Lamgaon
Lower Ganges	11.08	SURGUJA	23°14'30" N	Compact Sandstone	83°11'40" E	Latori
Lower Ganges	272	SURGUJA	23°13'0" N	Not Available	83°7'0" E	Latori1
Lower Ganges	155.55	SURGUJA	23°13'0" N	Not Available	83°7'0" E	Latori2
Lower Ganges	14	SURGUJA	22°58'59" N	Compact Sandstone	83°2'25" E	Laxmanpur
Lower Ganges	10	SURGUJA	23°7'0" N	Gneiss/Amphibolite/Gra	83°24'30" E	Lundra
Lower Ganges	50	SURGUJA	23°7'16" N	Granite Gneiss	83°24'48" E	Lundra S
Lower Ganges	8.6	SURGUJA	23°46'15" N	Granite/Granodiorite	83°34'45" E	Mahavirganj
Lower Ganges	9.85	SURGUJA	23°48'50" N	Compact Sandstone	83°5'30" E	Mahewa
Lower Ganges	12.2	SURGUJA	23°24'48" N	Sandstone	83°19'24" E	Makanpur
Lower Ganges	9.1	SURGUJA	22°57'8" N	Gneiss/Amphibolite/Gra	83°15'50" E	Nawapara
Lower Ganges	8	SURGUJA	23°28'26" N	Shale With Limestone/S	82°48'32" E	Odigi
Lower Ganges	150	SURGUJA	23°28'35" N	Compact Sandstone	82°48'23" E	Odigi EW
Lower Ganges	137.19	SURGUJA	23°25'41" N	Granite/Granodiorite	83°0'31" E	Palma EW
Lower Ganges	10	SURGUJA	23°11'16" N	Shale With Limestone/S	83°16'3" E	Parsa
Lower Ganges	12	SURGUJA	23°27'0" N	Granite/Granodiorite	83°31'30" E	Pasta
Lower Ganges	50	SURGUJA	23°26'53" N	Granite Gneiss	83°32'8" E	Pasta S
Lower Ganges	300.8	SURGUJA	23°47'0" N	Compact Sandstone	83°8'0" E	Pendari EW
Lower Ganges	12	SURGUJA	23°29'0" N	Granite/Granodiorite	83°12'10" E	Pratappur
Lower Ganges	12	SURGUJA	23°29'0" N	Granite/Granodiorite	83°12'10" E	Pratappur - 1
Lower Ganges	30.88	SURGUJA	23°29'30" N	Gneiss/Amphibolite/Gra	83°12'10" E	Pratappur1
Lower Ganges	300.42	SURGUJA	23°50'0" N	Shale	83°12'0" E	Premnagar(jamai) EW
Lower Ganges	14.56	SURGUJA	23°20'15" N	Compact Sandstone	83°24'15" E	Rajpur
Lower Ganges	30.9	SURGUJA	23°20'15" N	Schist/Talc	83°24'15" E	Rajpur1
Lower Ganges	12.8	SURGUJA	23°47'40" N	Gneiss/Amphibolite/Gra	83°41'0" E	Ramanujganj
Lower Ganges	13.05	SURGUJA	23°38'52" N	Sandstone	83°10'35" E	Reonti
Lower Ganges	296.2	SURGUJA	23°38'45" N	Compact Sandstone	83°11'5" E	Reonti EW
Lower Ganges		SURGUJA	23°48'30" N		83°42'12" E	Rmnjganj_51
Lower Ganges	120.42	SURGUJA	22°57'28" N	Compact Sandstone	82°55'34" E	Salkapara EW
Lower Ganges	139.14	SURGUJA	23°18'0" N	Granite Gneiss	83°36'14" E	Shankargarh -EW
Lower Ganges	50	SURGUJA	23°17'45" N	Granite Gneiss	83°36'32" E	Shankargarh S
Lower Ganges	130.5	SURGUJA	23°18'28" N	Shale	82°47'4" E	Shaoprasad Nagar EW
Lower Ganges	211.76	SURGUJA	23°11'0" N	Compact Sandstone	82°56'0" E	Shivnandanpur EW
Lower Ganges	200.25	SURGUJA	23°10'0" N	Not Available	83°5'0" E	Silfil-d

Lower Ganges	140.08	SURGUJA	23°10'0" N	Not Available	83°5'0" E	Silfili-s
Lower Ganges	10	SURGUJA	23°1'57" N	Not Available	83°22'59" E	Silsila
Lower Ganges	8.5	SURGUJA	23°21'10" N	Quartzite	82°51'47" E	Sirsi
Lower Ganges	15	SURGUJA	23°18'0" N	Compact Sandstone	83°4'45" E	Songara
Lower Ganges	31	SURGUJA	23°19'0" N	Compact Sandstone	83°4'45" E	Songara1
Lower Ganges	10	SURGUJA	23°12'43" N	Compact Sandstone	82°52'22" E	Surajpur
Lower Ganges		SURGUJA	23°13'0" N		82°52'0" E	Surajpur_51
Lower Ganges	61.53	SURGUJA	23°12'43" N	Compact Sandstone	82°52'22" E	Surajpur1
Lower Ganges	12.9	SURGUJA	23°41'20" N	Compact Sandstone	83°39'30" E	Tattapani
Lower Ganges	30.52	SURGUJA	23°41'20" N	Granite Gneiss	83°39'30" E	Tattapani1
Lower Ganges	14.58	SURGUJA	22°54'30" N	Compact Sandstone	82°57'0" E	Udaipur
Lower Ganges	10.6	SURGUJA	23°3'30" N	Compact Sandstone	83°6'0" E	Udaipur Dhah
Lower Ganges	61.75	SURGUJA	22°54'30" N	Compact Sandstone	82°56'50" E	Udaipur-d
Lower Ganges	30.99	SURGUJA	22°54'30" N	Compact Sandstone	82°56'50" E	Udaipur-s
Lower Ganges	14	SURGUJA	23°46'0" N	Compact Sandstone	83°11'45" E	Wadrafnagar
Lower Ganges	73.86	SURGUJA	23°45'52" N	Compact Sandstone	83°11'48" E	Wadrafnagar-d
Lower Ganges	58.5	SURGUJA	23°45'52" N	Compact Sandstone	83°11'48" E	Wadrafnagar-s
Lower Ganges	50	BILASPUR	22°55'20" N	Granite/Granodiorite	82°4'7" E	Bharidand EW
Lower Ganges	101.2	BILASPUR	23°1'9" N	Not Available	82°2'9" E	Chchghohana
Lower Ganges	87.4	BILASPUR	22°55'45" N	Granite/Granodiorite	82°4'0" E	Danikundi
Lower Ganges	8.8	BILASPUR	22°53'10" N	Granite/Granodiorite	81°58'40" E	Deobhar EW
Lower Ganges	110.4	BILASPUR	22°43'43" N	Granite/Granodiorite	81°52'46" E	Dewargaon EW
Lower Ganges	12	BILASPUR	22°46'32" N	Granite Gneiss	81°50'2" E	Dhanoli EW
Lower Ganges	14.12	BILASPUR	22°53'0" N	Granite/Granodiorite	81°59'10" E	Dhanpur
Lower Ganges	11.6	BILASPUR	22°45'15" N	Granite/Granodiorite	81°54'40" E	Gaurela
Lower Ganges	9	BILASPUR	23°1'12" N	Compact Sandstone	82°4'10" E	Marwahi
Lower Ganges	115	BILASPUR	22°56'49" N	Granite Gneiss	81°56'42" E	Nimdha
Lower Ganges	20	BILASPUR	22°46'20" N	Not Available	81°54'35" E	Pendra Road
Lower Ganges	8.93	BILASPUR	22°46'0" N		81°54'0" E	Pndrroad1_46
Lower Ganges	13.2	BILASPUR	22°52'21" N	Granite/Granodiorite	82°5'58" E	Rumga EW
Lower Ganges	8.5	BILASPUR	23°0'45" N	Granite/Granodiorite	81°57'30" E	Seoni
Lower Ganges	10.8	BILASPUR	22°51'6" N	Granite Gneiss	81°58'50" E	Sewra
Lower Ganges		BILASPUR	22°50'38" N	Not Available	82°5'9" E	Shekhwa
Lower Ganges	8.79	BILASPUR	23°3'24" N	Sandstone	82°0'44" E	Tendumuda
Lower Ganges	101.2	BILASPUR	23°5'4" N	Compact Sandstone	82°4'10" E	Tikthi
Lower Ganges	6	JASHPUR	23°8'34" N	Not Available	83°44'58" E	Kondapara
Lower Ganges	15	JASHPUR	22°57'0" N	Granite/Granodiorite	84°16'0" E	Patratoli EW
Lower Ganges	8	JASHPUR	22°54'10" N	Granite Gneiss	83°37'50" E	Phooldih
Lower Ganges	9.5	JASHPUR	22°46'15" N	Granite Gneiss	84°1'30" E	Raikera(Kunkuri)
Lower Ganges	146.56	JASHPUR	23°5'10" N	Granite Gneiss	83°48'40" E	Sanna
Godavari	15	DANTEWADA	17°50'17" N	Granite/Granodiorite	81°18'43" E	Banda
Godavari		DANTEWADA	18°33'37" N	Gneiss/Amphibolite/Gra	80°55'30" E	Basaguda
Godavari	11.53	DANTEWADA	18°33'0" N	Laterite	81°45'30" E	Chhindgarh
Godavari	13.72	DANTEWADA	18°33'0" N	Basic Rocks	81°45'30" E	Chhindgarh EW
Godavari	8.36	DANTEWADA	18°33'0" N	Laterite	81°45'30" E	Chhindgarh1
Godavari	6.6	DANTEWADA	18°20'55" N	Gneiss/Amphibolite/Gra	81°11'5" E	Chintalnar
Godavari	150	DANTEWADA	18°9'12" N	Gneiss/Amphibolite/Gra	81°30'30" E	Dornapal
Godavari	10.5	DANTEWADA	18°32'20" N	Gneiss/Amphibolite/Gra	81°32'15" E	Dotpal
Godavari	9.52	DANTEWADA	18°11'40" N	Gneiss/Amphibolite/Gra	81°8'30" E	Elmagonda
Godavari	52.74	DANTEWADA	18°26'30" N	Gneiss/Amphibolite/Gra	81°10'5" E	Jagargonda
Godavari	24.87	DANTEWADA	18°0'40" N	Gneiss/Amphibolite/Gra	81°3'20" E	Kistaram
Godavari	13.27	DANTEWADA	18°39'0" N	Granite Gneiss	81°52'0" E	Kokawada EW
Godavari	11.68	DANTEWADA	17°49'51" N	Granite Gneiss	81°22'37" E	Konta-d PZ
Godavari	8.7	DANTEWADA	17°49'51" N	Granite Gneiss	81°22'37" E	Konta-s PZ

Godavari	8.71 DANTEWADA	18°38'0" N	Granite/Granodiorite	81°44'5" E	Kukanar
Godavari	6.2 DANTEWADA	17°53'5" N	Gneiss/Amphibolite/Gra	81°10'6" E	Maita
Godavari	11.17 DANTEWADA	18°33'56" N	Granite/Granodiorite	80°48'34" E	Murdanda
Godavari	7.75 DANTEWADA	18°29'5" N	Granite/Granodiorite	80°44'45" E	Usoor
Godavari	11 DANTEWADA	18°29'23" N	Granite/Granodiorite	81°32'40" E	Gaddiras
Godavari	12 DANTEWADA	18°17'15" N	Granite/Granodiorite	81°33'15" E	Kerlapal
Godavari	6.62 DANTEWADA	18°17'15" N	Granite/Granodiorite	81°33'15" E	Kerlapal1
Godavari	30.9 DANTEWADA	17°49'51" N	Gneiss/Amphibolite/Gra	81°22'37" E	Konta
Godavari	7.92 DANTEWADA	18°18'45" N	Compact Sandstone	81°33'45" E	Ramawaram
Godavari	52.82 DANTEWADA	18°23'30" N	Limestone/Dolomite	81°39'40" E	Sukma
Godavari	12.75 DANTEWADA	18°23'30" N	Limestone/Dolomite	81°39'40" E	Sukma-d PZ
Godavari	12 DANTEWADA	18°23'30" N	Shale	81°39'40" E	Sukma-s PZ
Godavari	43.5 BASTAR	19°50'20" N	Granite/Granodiorite	81°34'10" E	Alor
Godavari	57.25 BASTAR	19°36'20" N	Granite/Granodiorite	81°56'20" E	Amraoti EW
Godavari	10.4 BASTAR	19°36'20" N	Gneiss/Amphibolite/Gra	81°56'20" E	Amravati
Godavari	27.87 BASTAR	19°36'20" N	Gneiss/Amphibolite/Gra	81°56'25" E	Amravati-d
Godavari	76.5 BASTAR	19°36'20" N	Granite/Granodiorite	81°56'25" E	Amravati-s
Godavari	11.02 BASTAR	19°9'0" N	Limestone/Dolomite	81°48'10" E	Badanji
Godavari	61.92 BASTAR	19°9'30" N	Compact Sandstone	81°44'58" E	Bade Dharaur EW
Godavari	9.9 BASTAR	19°48'20" N	Granite/Granodiorite	81°32'0" E	Badedongar
Godavari	85.3 BASTAR	19°17'0" N	Limestone/Dolomite	82°6'0" E	Bakawand - I
Godavari	11 BASTAR	19°17'0" N	Limestone/Dolomite	82°6'5" E	Bakawand-EW-1
Godavari	14.06 BASTAR	19°17'0" N	Limestone/Dolomite	82°6'5" E	Bakawand-EW-2
Godavari	157 BASTAR	19°15'33" N	Limestone/Dolomite	81°53'8" E	Balenga
Godavari	9.45 BASTAR	18°57'30" N	Gneiss/Amphibolite/Gra	81°34'30" E	Bastanar
Godavari	15.2 BASTAR	19°12'5" N	Limestone/Dolomite	81°56'10" E	Bastar
Godavari	135 BASTAR	19°8'15" N	Shale With Limestone/S&	81°48'15" E	Belar EW
Godavari	12.5 BASTAR	19°39'0" N	Granite/Granodiorite	81°25'50" E	Benur-EW
Godavari	66.85 BASTAR	19°39'0" N	Granite/Granodiorite	81°25'50" E	Benur-OW
Godavari	7.24 BASTAR	19°12'30" N	Limestone/Dolomite	81°54'50" E	Bhond EW
Godavari	44.95 BASTAR	19°8'17" N	Limestone/Dolomite	81°51'39" E	Chhapanbhanpuri
Godavari	51.64 BASTAR	19°18'30" N	Limestone/Dolomite	82°6'10" E	Chhinari EW
Godavari	106 BASTAR	19°27'30" N	Gneiss/Amphibolite/Gra	81°19'45" E	Chhote Dongar-d PZ
Godavari	30.54 BASTAR	19°27'30" N	Gneiss/Amphibolite/Gra	81°19'45" E	Chhote Donger-s PZ
Godavari	9.1 BASTAR	19°27'30" N	Gneiss/Amphibolite/Gra	81°19'30" E	Chhotedonagar
Godavari	124.25 BASTAR	19°36'40" N	Granite/Granodiorite	81°47'50" E	Chimpawad
Godavari	18.4 BASTAR	19°12'10" N	Compact Sandstone	81°43'10" E	Chitrakot
Godavari	8.44 BASTAR	19°27'0" N	Granite Gneiss	81°20'0" E	Chotte Donger EW
Godavari	116.9 BASTAR	18°52'5" N	Compact Sandstone	81°52'15" E	Darbha
Godavari	46.66 BASTAR	18°59'25" N	Compact Sandstone	81°44'44" E	Dilmili EW
Godavari	28 BASTAR	19°5'10" N	Limestone/Dolomite	82°1'40" E	Jagdapur
Godavari	135.2 BASTAR	19°5'15" N	Limestone/Dolomite	82°1'30" E	Jagdapur OW
Godavari	8.85 BASTAR	19°25'0" N	Conglomerate/Metasedi	81°59'15" E	Jaibel EW
Godavari	140 BASTAR	19°12'42" N	Limestone/Dolomite	81°51'44" E	Jhartarai
Godavari	68 BASTAR	18°56'30" N	Limestone/Dolomite	81°54'0" E	Kamanar EW
Godavari	12.8 BASTAR	19°5'30" N	Shale With Limestone/S&	81°59'50" E	Kangoli EW
Godavari	143 BASTAR	19°22'0" N	Limestone/Dolomite	82°5'30" E	Karpawand EW
Godavari	150 BASTAR	19°22'30" N	Compact Sandstone	81°49'30" E	Kesharpal EW
Godavari	150 BASTAR	19°15'10" N	Limestone/Dolomite	81°54'0" E	Kherkhosa EW
Godavari	9.12 BASTAR	19°36'30" N	Granite/Granodiorite	81°40'35" E	Kondagaon EW
Godavari	43 BASTAR	19°37'30" N	Granite/Granodiorite	81°39'30" E	Kumarpara EW
Godavari	160.4 BASTAR	19°5'45" N	Limestone/Dolomite	81°57'30" E	Kumharwand
Godavari	23.98 BASTAR	19°5'40" N	Shale With Limestone/S&	81°57'30" E	Kumharwand-EW

Godavari	156	BASTAR	19°37'30" N	Granite/Granodiorite	81°39'30" E	Kumparpara
Godavari	74.1	BASTAR	19°43'15" N	Granite/Granodiorite	81°39'15" E	Lanjora
Godavari	11	BASTAR	19°43'15" N	Granite/Granodiorite	81°39'15" E	Lanjora EW
Godavari	9.86	BASTAR	19°10'15" N	Compact Sandstone	81°45'15" E	Lohandigura EW
Godavari	166	BASTAR	19°46'24" N	Granite/Granodiorite	81°54'30" E	Makri
Godavari	46	BASTAR	19°46'45" N	Granite/Granodiorite	81°54'0" E	Makri EW
Godavari	9.5	BASTAR	19°8'30" N	Compact Sandstone	81°36'30" E	Mardum1
Godavari	155	BASTAR	19°3'50" N	Shale	82°8'50" E	Markel
Godavari	93	BASTAR	19°0'5" N	Limestone/Dolomite	81°47'20" E	Maulibata EW
Godavari	9.9	BASTAR	19°39'50" N	Gneiss/Amphibolite/Gra	81°19'0" E	Munjmeta
Godavari	24.5	BASTAR	18°52'48" N	Compact Sandstone	82°3'54" E	Nangur EW
Godavari	9.4	BASTAR	19°43'10" N	Granite/Granodiorite	81°44'45" E	Narayanpur
Godavari	14	BASTAR	19°42'0" N	Granite/Granodiorite	81°15'0" E	Narayanpur EW
Godavari	160	BASTAR	19°43'10" N	Phyllite	81°44'45" E	Narayanpur1
Godavari	11.3	BASTAR	19°2'30" N	Shale With Limestone/Sa	81°58'30" E	Pandripani EW
Godavari	10.5	BASTAR	19°51'30" N	Granite/Granodiorite	81°38'15" E	Pharasgaon
Godavari	50	BASTAR	19°51'30" N	Granite/Granodiorite	81°38'15" E	Pharasgaon EW
Godavari	30	BASTAR	19°0'54" N	Limestone/Dolomite	81°49'28" E	Raikot
Godavari	150	BASTAR	19°7'0" N	Limestone/Dolomite	81°55'0" E	Sakargaon EW
Godavari	9.5	BASTAR	19°5'30" N	Shaly Limestone	81°56'10" E	Tekameta EW
Godavari	9.32	BASTAR	19°2'0" N	Limestone/Dolomite	81°56'0" E	Teli Marenga EW
Godavari	11.4	BASTAR	19°0'32" N	Shale	81°53'22" E	Tokapal
Godavari	76	BASTAR	19°0'45" N	Shale	81°53'0" E	Tokapal OW
Godavari	112.45	BASTAR	18°43'30" N	Granite/Granodiorite	81°48'40" E	Tongpal
Godavari	58	BASTAR	18°43'56" N	Granite/Granodiorite	81°48'56" E	Tongpal-d
Godavari	146	BASTAR	18°43'56" N	Granite/Granodiorite	81°48'56" E	Tongpal-s
Godavari	11.1	BASTAR	19°25'0" N	Schist/Talc	81°50'52" E	Turpura EW
Godavari	126	BASTAR	19°1'10" N	Compact Sandstone	81°46'55" E	Urwa Patel Para EW
Godavari	151	BASTAR	19°39'40" N	Granite/Granodiorite	82°1'15" E	Yerla
Godavari	8.6	KANKER	20°5'35" N	Gneiss/Amphibolite/Gra	81°10'5" E	Antagarh
Godavari	130.35	KANKER	20°5'45" N	Granite Gneiss	81°9'30" E	Antagarh-EW
Godavari	11.75	KANKER	20°7'30" N	Rhyolite	80°45'45" E	Badgaon
Godavari	63	KANKER	20°13'15" N	Rhyolite	80°46'15" E	Badgaon
Godavari	7.35	KANKER	20°8'15" N	Gneiss/Amphibolite/Gra	80°46'15" E	Badgaon-EW
Godavari	131.1	KANKER	19°56'10" N	Gneiss/Amphibolite/Gra	80°32'35" E	Bande EW
Godavari	9.78	KANKER	20°19'30" N	Granite/Granodiorite	81°4'25" E	Banupartappur
Godavari	10	KANKER	20°18'45" N	Granite Gneiss	81°4'30" E	Bhanupratappur EW
Godavari	78.55	KANKER	20°19'30" N	Gneiss/Amphibolite/Gra	81°4'25" E	Bhanupratappur PZ
Godavari	136.4	KANKER	20°13'35" N	Granite Gneiss	80°56'50" E	Durg Kondal
Godavari	39.38	KANKER	20°13'10" N	Granite/Granodiorite	80°57'18" E	Durgkondal
Godavari	39.39	KANKER	20°13'35" N	Granite Gneiss	80°56'50" E	Durgkondal EW
Godavari	100.6	KANKER	20°14'15" N	Not Available	81°2'30" E	Ghotia
Godavari	25.65	KANKER	20°11'5" N	Not Available	80°50'5" E	Gumdidih
Godavari	25.65	KANKER	20°11'5" N	Laterite	80°50'5" E	Gumdidih (abandoned)
Godavari	10.29	KANKER	20°5'0" N	Gneiss/Amphibolite/Gra	80°40'20" E	Kapsi
Godavari		KANKER	20°5'20" N	Sandstone With Shale/Cr	80°40'15" E	Kapsi
Godavari	81.55	KANKER	20°5'20" N	Granite Gneiss	80°40'30" E	Kapsi
Godavari	8.43	KANKER	20°5'0" N	Basic Rocks	80°40'20" E	Kapsi1
Godavari	8.78	KANKER	20°5'20" N	Granite Gneiss	80°40'30" E	Kapsi-1
Godavari	4.2	KANKER	20°5'20" N	Granite Gneiss	80°40'30" E	Kapsi-2
Godavari	8.56	KANKER	20°5'21" N	Gneiss/Amphibolite/Gra	80°40'34" E	Kapsi-d (by M/s Techno) PZ
Godavari	10.5	KANKER	20°5'21" N	Granite Gneiss	80°40'34" E	Kapsi-s (by Cgwb)
Godavari	154.75	KANKER	20°13'39" N	Granite Gneiss	81°5'41" E	Keoti EW
Godavari	9.95	KANKER	20°13'0" N	Granite/Granodiorite	81°0'15" E	Kokrer

Godavari		KANKER	20°2'0" N	Granite/Granodiorite	80°37'30" E	Pakhanjor
Godavari	13.14	KANKER	20°2'15" N	Pegmatite/Aplite/Quartz	80°37'32" E	Pakhanjor EW
Godavari	30.43	KANKER	20°8'40" N	Granite/Granodiorite	81°8'40" E	Pondgaon
Godavari	133.45	KANKER	20°18'20" N	Not Available	81°2'20" E	Sambalpur2
Godavari		KANKER	19°57'0" N	Granite/Granodiorite	81°12'0" E	Todoki EW
Godavari	137.53	KANKER	19°57'50" N	Granite/Granodiorite	81°9'20" E	Toroki
Godavari	13.65	DANTEWADA	18°35'0" N	Gneiss/Amphibolite/Gra	80°46'2" E	Avapalli
Godavari	6.53	DANTEWADA	18°41'30" N	Quartzite	81°16'0" E	Bacheli
Godavari	9.7	DANTEWADA	18°41'13" N	Sandstone With Shale/Cr	81°16'15" E	Bacheli 1
Godavari	7.6	DANTEWADA	18°41'30" N	Quartzite	81°16'5" E	Bacheli1
Godavari	8.1	DANTEWADA	19°0'45" N	Granite/Granodiorite	81°14'8" E	Bade tumnar
Godavari	10.09	DANTEWADA	19°8'5" N	Granite/Granodiorite	81°23'15" E	Barsoor
Godavari	12.14	DANTEWADA	19°0'22" N	Granite/Granodiorite	81°3'45" E	Bhairamgarh
Godavari	27.93	DANTEWADA	18°51'20" N	Gneiss/Amphibolite/Gra	80°22'25" E	Bhopalpatnam
Godavari	11.63	DANTEWADA	18°47'32" N	Gneiss/Amphibolite/Gra	80°49'8" E	Bijapur
Godavari	16.75	DANTEWADA	18°47'32" N	Gneiss/Amphibolite/Gra	80°49'8" E	Bijapur-d
Godavari	21.64	DANTEWADA	18°47'32" N	Gneiss/Amphibolite/Gra	80°49'8" E	Bijapur-s
Godavari	6.1	DANTEWADA	19°10'0" N	Gneiss/Amphibolite/Gra	81°24'20" E	Bodghat
Godavari	7.13	DANTEWADA	18°53'20" N	Granite/Granodiorite	81°19'50" E	Dantewada
Godavari		DANTEWADA	18°53'20" N	Gneiss/Amphibolite/Gra	81°19'50" E	Dantewada1
Godavari	9.32	DANTEWADA	18°39'33" N	Granite/Granodiorite	80°38'45" E	Egapalli
Godavari	9.05	DANTEWADA	18°58'30" N	Gneiss/Amphibolite/Gra	81°23'30" E	Geedam
Godavari	8.44	DANTEWADA	18°58'44" N	Granite/Granodiorite	80°50'22" E	Gudama
Godavari	10.2	DANTEWADA	18°48'30" N	Gneiss/Amphibolite/Gra	81°19'45" E	Gumabeda
Godavari	43.5	DANTEWADA	19°0'10" N	Gneiss/Amphibolite/Gra	80°56'30" E	Jangla
Godavari	31.01	DANTEWADA	18°37'45" N	Quartzite	81°15'30" E	Kirandul
Godavari	11.71	DANTEWADA	18°43'25" N	Granite/Granodiorite	81°27'15" E	Kuakonda
Godavari	9.07	DANTEWADA	19°5'22" N	Granite/Granodiorite	80°47'30" E	Kutru
Godavari	8.38	DANTEWADA	18°45'24" N	Granite/Granodiorite	80°42'50" E	Madakpal
Godavari	10.06	DANTEWADA	18°46'17" N	Gneiss/Amphibolite/Gra	80°32'37" E	Madded
Godavari	10.25	DANTEWADA	18°42'0" N	Granite/Granodiorite	81°26'40" E	Mailawada
Godavari	11	DANTEWADA	19°4'15" N	Granite/Granodiorite	81°22'15" E	Nagfuni
Godavari	8.29	DANTEWADA	19°0'34" N	Granite/Granodiorite	81°11'35" E	Nelasnar
Godavari	9.12	DANTEWADA	18°54'0" N	Granite/Granodiorite	80°50'15" E	Nimed
Godavari	9.45	DANTEWADA	18°53'30" N	Granite/Granodiorite	81°27'45" E	Pondum
Godavari	9.49	DANTEWADA	18°45'45" N	Granite/Granodiorite	81°16'10" E	Poro kameli
Godavari	11.85	DANTEWADA	19°2'55" N	Granite/Granodiorite	81°21'55" E	Ronze
Godavari	8.18	DANTEWADA	18°50'15" N	Granite/Granodiorite	80°24'50" E	Rudram
Godavari	10	BASTAR	19°4'0" N	Limestone/Dolomite	82°4'30" E	Adwal EW
Godavari	8.75	BASTAR	19°6'30" N	Limestone/Dolomite	82°2'0" E	Asna EW
Godavari	148.2	BASTAR	19°6'30" N	Limestone/Dolomite	82°2'0" E	Asna OW
Godavari	105.15	BASTAR	19°48'20" N	Granite Gneiss	81°32'1" E	Badedongar1
Godavari	20	BASTAR	19°17'0" N	Limestone/Dolomite	82°6'0" E	Bakawand
Godavari	11.15	BASTAR	19°0'30" N	Gneiss/Amphibolite/Gra	81°51'46" E	Bare arapur
Godavari	11.4	BASTAR	19°0'30" N	Limestone/Dolomite	81°51'46" E	Bare arapur EW
Godavari	42	BASTAR	19°12'20" N	Shale With Limestone/S&	81°56'0" E	Bastar EW
Godavari			19°44'15" N	Granite/Granodiorite	81°55'30" E	Belgaon
Godavari	134	BASTAR	19°39'30" N	Gneiss/Amphibolite/Gra	81°25'50" E	Benur
Godavari	147	BASTAR	19°19'50" N	Limestone/Dolomite	81°49'55" E	Bhanpuri
Godavari	69.2	BASTAR	19°19'57" N	Limestone/Dolomite	81°49'55" E	Bhanpuri-d
Godavari	8.17	BASTAR	19°19'45" N	Shale With Limestone/S&	81°50'0" E	Bhanpuri-EW-1
Godavari	36.48	BASTAR	19°19'45" N	Shale With Limestone/S&	81°50'0" E	Bhanpuri-EW-2
Godavari	138	BASTAR	19°19'57" N	Limestone/Dolomite	81°49'55" E	Bhanpuri-s
Godavari	153.5	BASTAR	19°3'50" N	Limestone/Dolomite	82°8'30" E	Birsaguda Markel EW

Godavari	55.9	BASTAR	19°28'10" N	Granite/Granodiorite	81°43'20" E	Dahikonga
Godavari	12.58	BASTAR	19°22'10" N	Compact Sandstone	81°47'30" E	Ghodagaon
Godavari	48	BASTAR	19°5'15" N	Limestone/Dolomite	82°1'30" E	Jagdapur EW
Godavari	63	BASTAR	19°5'10" N	Not Available	82°1'40" E	Jagdapur.1
Godavari	9.3	BASTAR	19°5'10" N	Limestone/Dolomite	82°1'42" E	Jagdapur-d PZ
Godavari	9.2	BASTAR	19°5'10" N	Alluvium	82°1'42" E	Jagdapur-s PZ
Godavari	8.5	BASTAR	19°26'10" N	Compact Sandstone	81°45'20" E	Joba
Godavari	69	BASTAR	19°27'30" N	Granite/Granodiorite	81°45'30" E	Joba EW
Godavari	28.07	BASTAR	19°21'50" N	Limestone/Dolomite	82°5'6" E	Karpawand
Godavari	6.22	BASTAR	19°22'0" N	Limestone	82°5'30" E	Karpawand
Godavari	50.25	BASTAR	19°22'16" N	Shale	81°54'26" E	Kesharpal1
Godavari	183.75	BASTAR	18°59'0" N	Gneiss/Amphibolite/Gra	81°37'15" E	Kilepal
Godavari	137.75	BASTAR	18°59'0" N	Gneiss/Amphibolite/Gra	81°37'15" E	Kilepal - 1
Godavari	6.55	BASTAR	19°35'0" N	Granite/Granodiorite	81°40'0" E	Kondagaon
Godavari	30.92	BASTAR	19°35'10" N	Charnockite	81°40'10" E	Kondagon New
Godavari	42.53	BASTAR	19°6'30" N	Compact Sandstone	81°55'30" E	Kranji EW
Godavari	5.7	BASTAR	19°46'24" N	Granite/Granodiorite	81°54'30" E	Makdi
Godavari	9.75	BASTAR	19°22'35" N	Gneiss/Amphibolite/Gra	81°32'50" E	Mardapal
Godavari	12.3	BASTAR	19°8'25" N	Quartzite	81°36'45" E	Mardum
Godavari	101	BASTAR	20°7'15" N	Granite Gneiss	81°32'0" E	Murwand1
Godavari	69	BASTAR	19°6'0" N	Limestone/Dolomite	82°11'0" E	Nagarnar
Godavari	9.58	BASTAR	19°6'0" N	Clay	82°11'0" E	Nagarnar EW
Godavari	117	BASTAR	19°6'0" N	Clay	82°11'0" E	Nagarnar OW
Godavari	12.1	BASTAR	19°6'0" N	Shaly Limestone	82°11'0" E	Nagarnar1
Godavari	27.4	BASTAR	19°42'0" N	Granite/Granodiorite	81°14'55" E	Narayanpur
Godavari	9.1	BASTAR	19°42'0" N	Granite/Granodiorite	81°15'0" E	Narayanpur OW
Godavari	13.58	BASTAR	18°56'45" N	Shale	81°53'30" E	Neganar
Godavari	8	BASTAR	18°56'45" N	Shale	81°53'30" E	Neganar EW
Godavari	9.6	BASTAR	19°51'30" N	Schist/Talc	81°38'15" E	Pharasgaon1 PZ
Godavari	160.4	BASTAR	19°12'45" N	Limestone/Dolomite	82°3'30" E	Sargipal EW
Godavari	7.3	BASTAR	19°12'45" N	Limestone/Dolomite	82°3'30" E	Sargipal OW
Godavari	66.85	BASTAR	19°17'0" N	Compact Sandstone	81°57'0" E	Sonarpal
Godavari	65	BASTAR	19°16'45" N	Limestone/Dolomite	81°52'15" E	Sonarpal EW
Godavari	27.95	BASTAR	19°6'22" N	Shale	81°43'28" E	Targaon
Godavari	7.2	BASTAR	19°0'45" N	Shale	81°53'0" E	Tokapal EW
Godavari	7	BASTAR				
Godavari	9.15	RAJNANDGAON	21°4'40" N	Andesite	80°27'32" E	Bagnadi EW
Godavari		RAJNANDGAON	20°28'15" N	Rhyolite	80°53'0" E	Boriatibhu
Godavari	137	RAJNANDGAON	20°28'20" N	Rhyolite	80°53'15" E	Boriya EW
Godavari	141.67	RAJNANDGAON	21°13'12" N	Rhyolite	80°37'30" E	Bortalao EW
Godavari	10	RAJNANDGAON	20°33'0" N	Gneiss/Amphibolite/Gra	80°44'35" E	Dhobedand
Godavari	128.2	RAJNANDGAON	21°24'0" N	Quartzite	80°43'0" E	Ghaghra
Godavari	9.51	RAJNANDGAON	20°35'15" N	Rhyolite	80°52'40" E	Golatola EW
Godavari	100.54	RAJNANDGAON	20°23'0" N	Rhyolite	80°48'0" E	Irragaon EW
Godavari	132	RAJNANDGAON	20°30'40" N	Granite/Granodiorite	80°43'30" E	Kaneri EW
Godavari		RAJNANDGAON	20°22'30" N	Rhyolite	80°44'0" E	Manpur
Godavari	12	RAJNANDGAON	20°22'30" N	Granite/Granodiorite	80°44'0" E	Manpur EW
Godavari	30.32	RAJNANDGAON	20°22'50" N		80°43'50" E	Manpur_57
Godavari	114	RAJNANDGAON	20°22'30" N	Granite/Granodiorite	80°44'0" E	Manpur1 PZ
Godavari	141.67	RAJNANDGAON	20°34'15" N		80°45'15" E	Mohala_57
Godavari	99.55	RAJNANDGAON	20°42'10" N	Rhyolite	80°44'25" E	Muretitala
Godavari		RAJNANDGAON	20°28'10" N	Granite/Granodiorite	80°44'45" E	Panabaras EW
Godavari	109.68	RAJNANDGAON	20°34'55" N	Granite/Granodiorite	80°49'5" E	Rangekathera EW
Godavari	5.65	RAJNANDGAON	20°14'30" N		80°28'50" E	SlhBhatti_57

Godavari	12	BASTAR	19°34'36" N	Not Available	81°39'54" E	Chikalphuti
Mahanadi		BASTAR	19°0'37" N	Sandstone With Shale/C	81°56'32" E	Dhimarpal
Mahanadi		BASTAR	19°40'24" N	Not Available	81°40'35" E	Jaitpuri
Mahanadi		BASTAR	19°10'13" N	Not Available	81°58'45" E	Kudagaon
Mahanadi		BASTAR	19°8'51" N	Not Available	81°59'59" E	Kudalgaon
Mahanadi		BILASPUR	22°23'0" N	Compact Sandstone	82°7'0" E	Bansajhal
Mahanadi		BILASPUR	22°23'0" N	Schist/Talc	82°7'0" E	Bansajhal1 PZ
Mahanadi		BILASPUR	22°12'21" N	Limestone/Dolomite	81°52'21" E	Belpan OW
Mahanadi	144	BILASPUR	22°16'20" N	Compact Sandstone	82°16'5" E	Beltara
Mahanadi	10.5	BILASPUR	22°9'0" N	Shale	82°1'1" E	Chorbatti EW
Mahanadi	9.1	BILASPUR	22°18'0" N		81°58'0" E	Ghonga_46
Mahanadi	8.33	BILASPUR	22°22'0" N	Phyllite	81°59'50" E	Jhingatpur
Mahanadi	37.22	BILASPUR	22°9'0" N	Quartzite	82°23'30" E	Khamharia2
Mahanadi	9.82	BILASPUR	22°18'0" N		82°12'30" E	Khtghat02_46
Mahanadi	50.5	BILASPUR	22°16'0" N		82°2'0" E	Kota_46
Mahanadi	12.6	BILASPUR	22°8'43" N	Not Available	82°24'57" E	Kuli
Mahanadi	64.4	BILASPUR	22°20'45" N	Schist/Talc	82°0'5" E	Mithunawa Gaon EW
Mahanadi	9.65	BILASPUR	22°25'46" N	Not Available	82°7'30" E	Nawapara
Mahanadi	7.8	BILASPUR	22°12'45" N	Limestone Cavernous	81°55'54" E	Neora
Mahanadi	9.32	BILASPUR	22°20'56" N	Granite Gneiss	81°56'3" E	Shivtarai New
Mahanadi	142.52	BILASPUR	22°8'45" N	Shale With Limestone/S	82°16'45" E	Sipat
Mahanadi	10.9	BILASPUR	22°16'21" N	Shale With Limestone/S	81°45'16" E	Udaypur
Mahanadi	16.4	BILASPUR	22°13'55" N	Shale	81°47'37" E	Vijaypur EW
Mahanadi	7.6	DHAMTARI	20°43'22" N	Not Available	81°54'10" E	Budarao
Mahanadi	63.7	DHAMTARI	20°46'59" N	Sandstone	81°48'2" E	Budepara
Mahanadi	200	DHAMTARI	20°51'29" N	Granite Gneiss	81°42'52" E	Charmuriyaa
Mahanadi	27	DHAMTARI	20°51'29" N	Granite Gneiss	81°42'52" E	Charmuriya-Ow-I
Mahanadi	8.2	DHAMTARI	20°51'29" N	Granite Gneiss	81°42'52" E	Charmuriya-Ow-li
Mahanadi	50	DHAMTARI	21°0'15" N	Compact Sandstone	81°43'30" E	Chataud S
Mahanadi	8	DHAMTARI	20°51'35" N	Not Available	81°35'55" E	Kosmarra
Mahanadi	87.4	BILASPUR	21°53'43" N	Sandstone With Shale/C	82°1'57" E	Amerikhapa
Mahanadi	105.8	BILASPUR	22°6'5" N	Shale	82°11'16" E	Bahtarai
Mahanadi	8.44	BILASPUR	21°51'30" N	Limestone/Dolomite	81°55'0" E	Baitalpur
Mahanadi	7	BILASPUR	21°55'8" N	Not Available	82°16'10" E	Bakarkuda
Mahanadi	151.8	BILASPUR	21°54'30" N	Limestone/Dolomite	82°15'10" E	Bakarkuda EW
Mahanadi	138	BILASPUR	21°55'9" N	Not Available	82°16'9" E	Bakarkuda new
Mahanadi	151.74	BILASPUR	22°4'5" N	Shale	81°51'0" E	Barchha EW
Mahanadi	151.8	BILASPUR	21°51'24" N	Limestone/Dolomite	82°20'0" E	Bharari EW
Mahanadi	101.2	BILASPUR	21°55'54" N	Limestone/Dolomite	81°56'30" E	Bidbida EW
Mahanadi	15.4	BILASPUR	22°6'29" N	Shale	82°12'5" E	Bijoura
Mahanadi	81	BILASPUR	21°58'10" N	Limestone/Dolomite	82°2'50" E	Bilha
Mahanadi	14.99	BILASPUR	22°0'3" N	Not Available	82°7'23" E	Chakarbhata
Mahanadi		BILASPUR	22°5'21" N	Alluvium	82°9'47" E	Chantidih
Mahanadi		BILASPUR	23°1'11" N	Not Available	82°2'11" E	Chchoghana
Mahanadi	50	BILASPUR	22°5'23" N	Alluvium	82°9'7" E	Chhatapara 1
Mahanadi	151.74	BILASPUR	22°5'23" N	Alluvium	82°8'25" E	Chhatapara 2
Mahanadi		BILASPUR	21°47'30" N		82°18'30" E	Chilhaki_46
Mahanadi	10.4	BILASPUR	21°46'46" N	Limestone/Dolomite	82°18'49" E	Chilhati
Mahanadi	7.85	BILASPUR	21°46'50" N	Not Available	82°18'45" E	chilhati (s)
Mahanadi	100	BILASPUR	22°5'21" N	Alluvium	82°10'17" E	Chingrajpara
Mahanadi	151.74	BILASPUR	21°53'38" N	Not Available	82°4'14" E	Dagauri
Mahanadi	11.05	BILASPUR	22°1'21" N	Limestone/Dolomite	82°14'2" E	Darrighat EW
Mahanadi	119.47	BILASPUR	22°5'21" N	Not Available	81°49'40" E	Daukapa
Mahanadi	12	BILASPUR	22°4'17" N	Alluvium	82°10'27" E	Dayalband

Mahanadi	10.95	BILASPUR	21°50'50" N		82°16'0" E	Dharwkari_46
Mahanadi	151.74	BILASPUR	21°51'50" N	Shale	81°58'58" E	Dhuma EW
Mahanadi	10.2	BILASPUR	21°52'42" N	Limestone/Dolomite	81°55'51" E	Ghutia EW
Mahanadi		BILASPUR	22°6'49" N	Alluvium	82°5'28" E	Hapha
Mahanadi	11.38	BILASPUR	22°0'7" N	Limestone/Dolomite	82°10'16" E	Hardikalan EW
Mahanadi		BILASPUR	22°3'12" N	Limestone/Dolomite	82°11'11" E	Hemu Nagar
Mahanadi	13.7	BILASPUR	22°3'12" N	Alluvium	82°11'11" E	Hemunagar 1
Mahanadi	12	BILASPUR	22°3'30" N	Alluvium	82°11'17" E	Hemunagar 2
Mahanadi	103.32	BILASPUR	21°47'30" N	Not Available	82°15'40" E	Jaitpur
Mahanadi	11	BILASPUR	22°4'53" N	Alluvium	82°9'58" E	Juna Bilaspur
Mahanadi	10.8	BILASPUR	21°54'5" N	Shale	81°50'9" E	Kalarjeora EW
Mahanadi	60	BILASPUR	22°4'13" N	Alluvium	82°9'33" E	Karbala
Mahanadi	13.2	BILASPUR	22°5'13" N	Alluvium	82°8'43" E	Koli Chowk
Mahanadi		BILASPUR	22°5'13" N	Alluvium	82°8'43" E	Koli-Pz
Mahanadi	9.3	BILASPUR	22°6'23" N	Alluvium	82°8'23" E	Koni 2
Mahanadi	8	BILASPUR	22°3'18" N	Alluvium	82°9'46" E	Lococolony
Mahanadi	9.5	BILASPUR	21°53'29" N	Limestone/Dolomite	82°17'9" E	Malhar
Mahanadi	6.85	BILASPUR	22°5'57" N	Alluvium	82°7'54" E	Mangla
Mahanadi	10	BILASPUR	21°59'25" N	Shale	82°16'0" E	Masturi
Mahanadi	9.95	BILASPUR	21°59'25" N	Shale	82°16'0" E	Masturi1
Mahanadi	7.92	BILASPUR	22°5'17" N	Shale	82°12'28" E	Mopka
Mahanadi	14.7	BILASPUR	22°0'0" N	Shale	81°44'6" E	Nawagaon(chinu) EW
Mahanadi	11.17	BILASPUR	21°49'41" N	Limestone/Dolomite	82°16'12" E	Panchpedi
Mahanadi	9.9	BILASPUR	21°59'5" N	Shale	81°53'23" E	Pandiyani EW
Mahanadi	9.5	BILASPUR	22°2'51" N	Alluvium	82°7'23" E	Parsada
Mahanadi	7	BILASPUR	22°1'0" N	Shale	81°50'20" E	Patharia (chorbhatti)
Mahanadi		BILASPUR	22°6'47" N	Not Available	82°2'45" E	Pendari
Mahanadi	11.95	BILASPUR	22°4'20" N	Limestone/Dolomite	82°5'9" E	Saida
Mahanadi	6.35	BILASPUR	22°4'20" N	Limestone/Dolomite	82°5'9" E	Saida-Pz
Mahanadi	18.5	BILASPUR	22°6'24" N	Shale	82°5'8" E	Sakri
Mahanadi	6.5	BILASPUR	21°54'0" N	Shale	81°58'0" E	Saragaon1
Mahanadi	10.1	BILASPUR	22°5'36" N	Alluvium	82°8'59" E	Sarkanda 1
Mahanadi	22.5	BILASPUR	22°5'42" N	Alluvium	82°8'44" E	Sarkanda 2
Mahanadi	15.9	BILASPUR	21°59'36" N	Shale	81°47'30" E	Siltara EW
Mahanadi	12	BILASPUR	22°8'45" N	Shaly Limestone	82°16'45" E	Sipat
Mahanadi	9.2	BILASPUR	22°3'42" N	Alluvium	82°8'5" E	Tiphra
Mahanadi	8	BILASPUR	22°3'54" N	Alluvium	82°10'56" E	Torwa 1
Mahanadi	7.1	BILASPUR	22°4'0" N	Alluvium	82°11'4" E	Torwa 2
Mahanadi	6.65	BILASPUR	22°4'3" N	Alluvium	82°10'47" E	Torwa 3
Mahanadi	9.2	BILASPUR	22°6'14" N	Alluvium	82°6'20" E	Uslapur 1
Mahanadi	19	BILASPUR	22°5'41" N	Alluvium	82°7'12" E	Uslapur 2
Mahanadi	65	BILASPUR	21°57'13" N	Limestone/Dolomite	82°15'0" E	Vedaprasada EW
Mahanadi	30.46	DURG	21°21'40" N	Limestone/Dolomite	81°25'0" E	Ahiwara
Mahanadi	9.5	DURG	21°55'30" N	Limestone/Dolomite	81°44'0" E	Amlidih EW
Mahanadi	9.44	DURG	21°4'0" N	Shale	81°16'30" E	Anda
Mahanadi	104	DURG	21°4'0" N		81°17'0" E	Anda_56
Mahanadi	12	DURG	21°4'0" N	Shale	81°16'30" E	Anda-I
Mahanadi	12	DURG	21°50'18" N	Compact Sandstone	81°35'51" E	Andhiyarkhor
Mahanadi	98	DURG	21°20'0" N		81°25'0" E	Banbarod_56
Mahanadi	122	DURG	21°31'30" N	Limestone/Dolomite	81°28'50" E	Berla
Mahanadi		DURG	20°50'56" N	Not Available	81°26'13" E	Beter
Mahanadi		DURG	21°12'26" N	Limestone/Dolomite	81°24'50" E	Bhailai
Mahanadi		DURG	21°12'0" N		81°25'0" E	Bhilai_56
Mahanadi		DURG	21°3'18" N	Not Available	81°15'54" E	Binayakpur

Mahanadi	194	DURG	21°28'30" N	Shaly Limestone	81°18'45" E	Birjhapur EW
Mahanadi	10	DURG	21°0'0" N		81°31'0" E	Borid_56
Mahanadi	7.12	DURG	21°38'16" N	Not Available	81°13'12" E	Bortara
Mahanadi	9	DURG	21°26'0" N		81°28'0" E	Chandi_53
Mahanadi	10.23	DURG	21°18'45" N	Not Available	81°16'0" E	Chandrakhuri
Mahanadi	8.2	DURG	21°7'30" N	Limestone/Dolomite	81°16'0" E	Chandrakhuri EW
Mahanadi	13.1	DURG	21°14'47" N	Limestone/Dolomite	81°30'57" E	Charoda
Mahanadi	65.42	DURG	21°29'30" N	Limestone/Dolomite	81°23'40" E	Dargaon
Mahanadi	7.05	DURG	21°39'55" N	Limestone/Dolomite	81°24'45" E	Deorbija
Mahanadi	9.8	DURG	21°4'13" N	Not Available	81°29'48" E	Dewada
Mahanadi	128	DURG	21°27'54" N	Limestone/Dolomite	81°20'5" E	Dhamda
Mahanadi	10	DURG	21°27'54" N	Limestone Cavernous	81°20'5" E	Dhamda-D
Mahanadi	122	DURG	21°27'54" N	Limestone Cavernous	81°20'5" E	Dhamdha-s
Mahanadi	7.4	DURG	21°16'6" N	Limestone/Dolomite	81°21'20" E	Dhour EW
Mahanadi	196.7	DURG	20°57'0" N		81°32'0" E	Didga_56
Mahanadi	9.07	DURG	21°11'30" N	Limestone/Dolomite	81°16'30" E	Durg
Mahanadi	10	DURG	21°13'30" N		81°17'30" E	Durg
Mahanadi	27.03	DURG	21°13'0" N		81°17'0" E	Durg_56
Mahanadi	116	DURG	21°4'35" N	Limestone/Dolomite	81°29'0" E	Funda
Mahanadi	6	DURG	21°4'35" N	Limestone/Dolomite	81°29'0" E	Funda EW
Mahanadi	122	DURG	21°9'10" N	Limestone/Dolomite	81°28'30" E	Gabra EW
Mahanadi	9.45	DURG	21°56'50" N	Shale	81°33'50" E	Ganiya
Mahanadi	123	DURG	21°12'55" N	Limestone/Dolomite	81°12'50" E	Ganiyari
Mahanadi	10.7	DURG	21°34'10" N	Limestone/Dolomite	81°12'50" E	Gatapar
Mahanadi		DURG	21°8'30" N	Limestone/Dolomite	81°22'24" E	Ghughuwa EW
Mahanadi		DURG	21°23'12" N	Shale	81°26'41" E	Girhola
Mahanadi		DURG	21°17'30" N	Limestone/Dolomite	81°12'30" E	Hirri EW
Mahanadi		DURG	21°34'30" N	Limestone/Dolomite	81°17'30" E	Jamgaon
Mahanadi		DURG	21°5'2" N	Not Available	81°18'34" E	Janjgiri
Mahanadi		DURG	21°40'6" N	Not Available	81°18'19" E	Jata
Mahanadi		DURG	21°38'16" N	Not Available	81°37'22" E	Jeora
Mahanadi	13.3	DURG	21°15'25" N	Limestone/Dolomite	81°18'23" E	Jeora Sirsa
Mahanadi	65	DURG	21°17'59" N	Limestone	81°28'29" E	Kandraka
Mahanadi	150	DURG	21°18'20" N	Limestone/Dolomite	81°30'20" E	Kapasda EW
Mahanadi	8.6	DURG	21°25'15" N	Limestone/Dolomite	81°18'45" E	Kareli EW
Mahanadi	58	DURG	21°36'52" N	Limestone/Dolomite	81°22'14" E	Kedwa
Mahanadi	150	DURG	21°2'0" N		81°24'0" E	Khapri_56
Mahanadi	98	DURG	21°33'0" N		81°34'0" E	Kharra_56
Mahanadi	98	DURG	21°6'25" N	Limestone/Dolomite	81°17'48" E	Kodia EW
Mahanadi	9.3	DURG	20°41'57" N	Limestone Cavernous	81°1'23" E	Kodiya
Mahanadi	14	DURG	20°40'14" N	Not Available	81°27'12" E	Kuliya
Mahanadi	304.15	DURG	21°14'0" N	Limestone/Dolomite	81°32'0" E	Kumhari
Mahanadi	10.55	DURG	21°14'35" N	Limestone/Dolomite	81°21'20" E	Kurud EW
Mahanadi	20.5	DURG	21°6'0" N	Shale	81°16'30" E	Kutherel
Mahanadi	9	DURG	21°21'10" N	Limestone/Dolomite	81°12'0" E	Litai
Mahanadi	114.5	DURG	21°21'39" N	Limestone/Dolomite	81°22'26" E	Maresara EW
Mahanadi	12.43	DURG	21°31'17" N	Quartzite	81°16'48" E	Medasar
Mahanadi	30.55	DURG	21°18'45" N	Limestone/Dolomite	81°16'0" E	Nawagaon EW
Mahanadi	76.18	DURG	21°18'30" N	Limestone/Dolomite	81°25'54" E	Okhra EW
Mahanadi	300.57	DURG	21°20'0" N		81°31'0" E	Oteband_56
Mahanadi	8.65	DURG	21°9'6" N	Limestone/Dolomite	81°27'0" E	Pahandor EW
Mahanadi	9.3	DURG	21°8'20" N	Limestone Cavernous	81°24'11" E	Paoowara
Mahanadi	9.4	DURG	21°35'17" N	Limestone/Dolomite	81°24'5" E	Parpoda
Mahanadi		DURG	21°35'20" N	Not Available	81°12'38" E	Parpoda

Mahanadi	DURG	21°35'1" N	Shale	81°12'12" E	Parpori EW
Mahanadi	7.4 DURG	21°3'0" N	Shale	81°17'14" E	Patan1
Mahanadi	DURG	21°23'59" N	Not Available	81°21'42" E	Pathariya
Mahanadi	14 DURG	21°5'30" N	Limestone/Dolomite	81°19'30" E	Pauwara EW
Mahanadi	274.25 DURG	21°29'43" N	Limestone	81°16'45" E	Pendri
Mahanadi	10.5 DURG	21°25'0" N		81°35'0" E	Pirda_56
Mahanadi	91.77 DURG	21°5'58" N	Limestone Cavernous	81°19'55" E	Powara
Mahanadi	DURG	21°36'20" N	Limestone/Dolomite	81°37'20" E	Raka EW
Mahanadi	DURG	21°36'20" N	Limestone/Dolomite	81°37'20" E	Raka OW
Mahanadi	DURG	21°34'59" N	Limestone/Dolomite	81°20'30" E	Rakhi - EW
Mahanadi	156 DURG	21°34'59" N	Shale	81°20'30" E	Rakhi OW
Mahanadi	12.19 DURG	21°19'30" N	Limestone/Dolomite	81°20'15" E	Ravelidih
Mahanadi	6.6 DURG	21°39'59" N	Not Available	81°17'56" E	Saja Dw
Mahanadi	9 DURG	21°39'37" N	Limestone/Dolomite	81°19'0" E	Saja EW
Mahanadi	127.15 DURG	21°39'37" N	Limestone/Dolomite	81°19'0" E	Saja OW
Mahanadi	113 DURG	21°55'30" N	Shale	81°44'0" E	Sambalpur EW
Mahanadi	12.76 DURG	21°55'30" N	Shale	81°44'0" E	Sambalpur OW
Mahanadi	9.5 DURG	21°32'0" N		81°27'0" E	Sandh_56
Mahanadi	13.5 DURG	21°6'0" N	Limestone/Dolomite	81°25'10" E	Selud
Mahanadi	88.5 DURG	21°5'0" N		81°20'0" E	Selud_56
Mahanadi	200 DURG	21°6'0" N	Limestone/Dolomite	81°25'10" E	Selud1
Mahanadi	9.5 DURG	21°6'0" N	Limestone/Dolomite	81°25'10" E	Selud2
Mahanadi	9.5 DURG	21°32'20" N	Not Available	81°26'15" E	Sondh
Mahanadi	9.5 DURG	21°30'11" N	Shale With Limestone/S&	81°27'12" E	Tarkori
Mahanadi	12.02 DURG	21°7'16" N	Not Available	81°30'38" E	Tarra
Mahanadi	300.75 DURG	21°7'0" N		81°31'0" E	Tarra_56
Mahanadi	5.55 DURG	21°49'26" N	Not Available	81°52'19" E	Temri
Mahanadi	122 DURG	21°7'0" N	Shale With Limestone/S&	81°23'20" E	Utai-Adarshnagar
Mahanadi	144.92 DURG	21°4'18" N	Limestone/Dolomite	81°15'50" E	Vinayakpur EW
Mahanadi	12 DURG	21°7'16" N	Not Available	81°33'57" E	Zhit
Mahanadi	DHAMTARI	20°46'0" N	Alluvium	81°29'45" E	Amdi
Mahanadi	90 DHAMTARI	20°46'10" N	Gneiss/Amphibolite/Gra	81°29'41" E	Amdi(EW)
Mahanadi	50 DHAMTARI	20°46'10" N	Gneiss/Amphibolite/Gra	81°29'41" E	Amdi(OW)
Mahanadi	50 DHAMTARI	20°44'11" N	Gneiss/Amphibolite/Gra	81°33'43" E	Arjuni(EW)
Mahanadi	10 DHAMTARI	20°35'45" N	Quartzite	81°39'30" E	Banraud S
Mahanadi	10.66 DHAMTARI	20°45'56" N	Gneiss/Amphibolite/Gra	81°32'25" E	Bhanpuri
Mahanadi	200 DHAMTARI	20°52'0" N		81°41'0" E	Bhatagaon_53
Mahanadi	10.6 DHAMTARI	20°52'55" N	Massive Basalt	81°42'7" E	Bhatagoan
Mahanadi	DHAMTARI	20°59'27" N	Granite Gneiss	81°43'39" E	Chataud
Mahanadi	DHAMTARI	20°46'45" N	Limestone/Dolomite	81°40'0" E	Chhati
Mahanadi	50 DHAMTARI	20°46'45" N	Limestone Cavernous	81°40'0" E	Chhati D
Mahanadi	50 DHAMTARI	20°46'45" N	Limestone Cavernous	81°40'0" E	Chhati S
Mahanadi	DHAMTARI	20°45'30" N		81°40'54" E	Chhati_53
Mahanadi	DHAMTARI	20°46'48" N	Granite Gneiss	81°34'27" E	Chhati-I
Mahanadi	153.2 DHAMTARI	20°45'40" N	Gneiss/Amphibolite/Gra	81°34'16" E	Demar
Mahanadi	202.1 DHAMTARI	20°45'40" N	Gneiss/Amphibolite/Gra	81°34'16" E	Demar(EW)
Mahanadi	11 DHAMTARI	20°42'30" N	Alluvium	81°33'0" E	Dhamtari
Mahanadi	16.9 DHAMTARI	20°49'19" N		81°33'8" E	Dhamtari_55
Mahanadi	80 DHAMTARI	20°42'30" N	Limestone Cavernous	81°33'0" E	Dhamtari1 PZ
Mahanadi	200 DHAMTARI	20°37'36" N	Granite Gneiss	81°34'29" E	Gangrel S
Mahanadi	10.65 DHAMTARI	20°45'11" N	Gneiss/Amphibolite/Gra	81°32'59" E	Khapri
Mahanadi	157.4 DHAMTARI	21°0'15" N	Shale	81°43'30" E	Kondapar
Mahanadi	11 DHAMTARI	21°0'30" N		81°44'0" E	Kondapar_53
Mahanadi	50 DHAMTARI	20°49'39" N	Shale With Limestone/S&	81°41'8" E	Kurud S

Mahanadi	7.6	DHMTARI	20°46'25" N	Granite Gneiss	81°36'26" E	Limtara
Mahanadi	8.15	DHMTARI	20°54'10" N	Laterite	81°41'20" E	Marod
Mahanadi	51.75	DHMTARI	20°12'46" N	Not Available	82°4'55" E	Mechka Sondur
Mahanadi	86.1	DHMTARI	20°46'59" N	Limestone	81°48'2" E	Mega
Mahanadi	118	DHMTARI	20°31'50" N	Granite Gneiss	81°38'34" E	Murrumsilli S
Mahanadi		DHMTARI	20°44'41" N	Gneiss/Amphibolite/Gra	81°30'54" E	Potiadih
Mahanadi	153.2	DHMTARI	20°38'9" N	Sandstone	81°38'5" E	Seadei
Mahanadi	13.6	DURG	20°32'44" N	Not Available	81°6'3" E	Accholi
Mahanadi	12	DURG	20°42'0" N		81°14'0" E	Admabad_56
Mahanadi	8.82	DURG	20°27'30" N	Granite/Granodiorite	81°14'0" E	Amadula EW
Mahanadi	75.62	DURG	21°42'55" N	Not Available	81°35'21" E	Baba Mohtara
Mahanadi	30.5	DURG	21°45'46" N	Not Available	81°28'58" E	Bahera
Mahanadi	8.5	DURG	21°45'43" N	Not Available	81°30'51" E	Baiji
Mahanadi	10	DURG	20°41'57" N	Quartzite	81°1'23" E	Baklitola
Mahanadi	8.23	DURG	20°43'45" N	Compact Sandstone	81°12'0" E	Balod
Mahanadi	259.02	DURG	20°44'0" N		81°14'0" E	Balod_56
Mahanadi	8.8	DURG	20°46'44" N	Not Available	81°25'51" E	Basin
Mahanadi	149.57	DURG	20°46'50" N	Compact Sandstone	81°3'51" E	Batera
Mahanadi		DURG	21°43'0" N	Shale	81°32'0" E	Bemetara
Mahanadi	13.3	DURG	21°43'40" N	Limestone/Dolomite	81°31'40" E	Bemetara OW
Mahanadi	14	DURG	21°43'40" N	Limestone/Dolomite	81°31'40" E	Bemetara EW
Mahanadi	11.5	DURG	21°42'6" N	Shale	81°32'15" E	Bemetara New
Mahanadi	16.78	DURG	21°43'45" N		81°32'55" E	Bemetara_56
Mahanadi	39.83	DURG	21°43'0" N	Limestone Cavernous	81°32'0" E	Bemetera-d
Mahanadi	60.97	DURG	21°43'0" N	Shale	81°32'0" E	Bemetera-s
Mahanadi	124.8	DURG	20°31'0" N	Granite/Granodiorite	81°9'0" E	Bharraitola EW
Mahanadi	106	DURG	20°46'0" N	Limestone/Dolomite	81°24'0" E	Bhotli EW
Mahanadi	11.7	DURG	21°39'32" N	Not Available	81°33'14" E	Bijabhat
Mahanadi	8.85	DURG	21°46'30" N	Shale	81°39'41" E	Birampur EW
Mahanadi	9.5	DURG	20°36'30" N	Granite/Granodiorite	81°3'0" E	Bital EW
Mahanadi	12.68	DURG	21°46'30" N	Shale	81°40'3" E	Bitkuli
Mahanadi	10.8	DURG	20°53'0" N	Limestone/Dolomite	81°21'30" E	Borgahan EW
Mahanadi	11.32	DURG	20°47'0" N	Limestone/Dolomite	81°17'1" E	Bori EW
Mahanadi	14	DURG	20°49'30" N	Limestone/Dolomite	81°21'30" E	Chichbor EW
Mahanadi	11.8	DURG	20°36'0" N	Basic Rocks	81°4'0" E	Chikhalakasa EW
Mahanadi		DURG	20°40'55" N	Rhyolite	81°3'50" E	Chipra EW
Mahanadi	142	DURG	21°40'10" N	Limestone/Dolomite	81°35'18" E	Chorbhatti EW
Mahanadi	13.75	DURG	21°53'45" N	Shale	81°28'30" E	Dadhi
Mahanadi	10.5	DURG	21°53'45" N	Shale	81°28'30" E	Dadhi1
Mahanadi	146.65	DURG	20°43'0" N	Compact Sandstone	81°8'25" E	Daihan EW
Mahanadi	153.4	DURG	20°35'10" N	Conglomerate/Metasedi	81°4'40" E	Delli Rajhara
Mahanadi	12	DURG	20°29'30" N	Gneiss/Amphibolite/Gra	81°5'20" E	Dondi
Mahanadi	3.55	DURG	20°29'30" N	Gneiss/Amphibolite/Gra	81°5'20" E	Dondi1
Mahanadi	100.2	DURG	21°41'21" N	Not Available	81°29'2" E	Dunra
Mahanadi	115	DURG	20°35'20" N	Granite/Granodiorite	81°10'45" E	Ghontiya EW
Mahanadi	9.3	DURG	20°44'0" N		81°8'0" E	Gondi_57
Mahanadi	8	DURG	20°45'0" N		81°8'0" E	Gondly_56
Mahanadi	48.6	DURG	20°30'2" N	Not Available	81°7'24" E	Gotulmunda
Mahanadi	100.54	DURG	20°40'4" N	Not Available	81°7'54" E	Gujara
Mahanadi	105.6	DURG	20°41'0" N	Compact Sandstone	81°24'30" E	Gurur-d
Mahanadi		DURG	20°41'0" N	Compact Sandstone	81°24'30" E	Gurur-s
Mahanadi		DURG	20°43'55" N	Granite/Granodiorite	81°14'40" E	Jhalmala EW
Mahanadi	114.4	DURG	20°42'0" N	Compact Sandstone	81°19'0" E	Karhi Badar EW
Mahanadi	9.3	DURG	20°46'1" N	Not Available	81°16'24" E	Khairwahi

Mahanadi	100.54	DURG	20°30'56" N	Granite/Granodiorite	81°4'0" E	Khairwahi EW
Mahanadi	45.17	DURG	21°46'40" N	Shale	81°26'15" E	Khati
Mahanadi	127.96	DURG	21°41'0" N	Not Available	81°31'48" E	Khilora
Mahanadi	11.65	DURG	21°42'45" N	Shale	81°36'50" E	Khurmuri
Mahanadi	141.67	DURG	20°41'0" N	Limestone/Dolomite	81°24'29" E	Kolihamar EW
Mahanadi		DURG	21°45'55" N	Not Available	81°29'43" E	Koresar Dw
Mahanadi	12.5	DURG	20°27'0" N	Granite/Granodiorite	81°7'0" E	Kuagondi EW
Mahanadi		DURG	20°41'35" N	Not Available	81°26'30" E	Kuliya
Mahanadi	5.43	DURG	20°38'30" N	Acidic Rocks	81°4'50" E	Kusumkasa
Mahanadi	137	DURG	20°47'30" N	Limestone/Dolomite	81°15'30" E	Latabod EW
Mahanadi	150.81	DURG	20°26'0" N	Granite Gneiss	81°4'0" E	Markatola EW
Mahanadi		DURG	21°54'30" N	Shale	81°36'30" E	Nawagarh
Mahanadi		DURG	21°54'30" N	Shale	81°36'30" E	Nawagarh1
Mahanadi	116.4	DURG	21°54'30" N	Shale	81°36'30" E	Nawagarh-d
Mahanadi	54.62	DURG	21°54'30" N	Shale	81°36'30" E	Nawagarh-s
Mahanadi	24.28	DURG	21°40'19" N	Shale	81°28'23" E	Ninwa
Mahanadi	139.83	DURG	21°40'55" N	Not Available	81°12'51" E	Ninwa new
Mahanadi		DURG	20°44'4" N	Not Available	81°14'45" E	Padkibhat
Mahanadi	70	DURG	20°45'41" N	Not Available	81°19'13" E	Piparchedi
Mahanadi	125.66	DURG	20°45'0" N	Limestone/Dolomite	81°19'0" E	Piparchedi EW
Mahanadi		DURG	21°48'44" N	Not Available	81°27'53" E	Sagona
Mahanadi	105.11	DURG	20°48'0" N	Limestone Cavernous	81°13'0" E	Sankarh EW
Mahanadi		DURG	20°48'28" N	Shale With Limestone/S	81°28'28" E	Sanod OW
Mahanadi	65	DURG	20°48'28" N	Shale With Limestone/S	81°28'28" E	Sanod EW
Mahanadi	65	DURG	21°32'20" N	Not Available	81°26'13" E	Sondh New
Mahanadi	89.26	DURG	20°44'10" N	Shale With Limestone/S	81°14'50" E	Umradah
Mahanadi	8.44	JASHPUR	23°8'16" N	Not Available	83°55'46" E	Amagaon
Mahanadi	50	JASHPUR	22°27'58" N	Not Available	83°57'18" E	Amdiha
Mahanadi	8.6	JASHPUR	22°41'10" N	Granite Gneiss	83°51'30" E	Banderchua S
Mahanadi	9.4	JASHPUR	22°46'40" N	Granite/Granodiorite	83°57'20" E	Dhodidand
Mahanadi	50	JASHPUR	22°42'14" N	Not Available	84°6'42" E	Duldula-Dipatoli
Mahanadi	83.7	JASHPUR	22°42'15" N	Granite/Granodiorite	83°55'45" E	Farsakanhi
Mahanadi	8.25	JASHPUR	22°47'17" N	Granite/Granodiorite	83°55'59" E	Ghatmunda
Mahanadi	50	JASHPUR	22°55'56" N	Not Available	83°38'7" E	Jikki
Mahanadi		JASHPUR	22°38'25" N	Granite Gneiss	83°44'35" E	Kasawel D
Mahanadi		JASHPUR	22°57'29" N	Not Available	84°20'6" E	Kundha
Mahanadi		JASHPUR	22°44'31" N	Granite Gneiss	83°57'15" E	Kunkuri S
Mahanadi		JASHPUR	22°56'14" N	Not Available	84°14'50" E	Mouhuvatoli
Mahanadi		JASHPUR	22°39'11" N	Granite Gneiss	83°46'53" E	Narayanbaheli
Mahanadi	11.3	JASHPUR	22°51'26" N	Granite Gneiss	83°52'57" E	Narayanpur S
Mahanadi	10	JANJGIR - CHAMP,	22°1'35" N	Limestone/Dolomite	82°25'20" E	Akaltara
Mahanadi	13.76	JANJGIR - CHAMP,	22°2'0" N	Limestone Cavernous	82°25'30" E	Akaltara EW
Mahanadi	50	JANJGIR - CHAMP,	22°1'35" N	Shale With Limestone/S	82°25'20" E	Akaltara S
Mahanadi	9	JANJGIR - CHAMP,	21°58'10" N	Not Available	82°22'9" E	Amora
Mahanadi	128.69	JANJGIR - CHAMP,	22°3'24" N	Not Available	82°54'50" E	Asonda
Mahanadi	143	JANJGIR - CHAMP,	22°8'0" N	Limestone/Dolomite	82°28'40" E	Baloda -r
Mahanadi	15.4	JANJGIR - CHAMP,	22°8'5" N	Shale With Limestone/S	82°28'42" E	Baloda S
Mahanadi	151.74	JANJGIR - CHAMP,	22°4'57" N	Gneiss/Amphibolite/Gra	82°27'36" E	Bamhani
Mahanadi	9	JANJGIR - CHAMP,	21°59'0" N	Shale With Limestone/S	82°45'15" E	Baradwar D
Mahanadi	10	JANJGIR - CHAMP,	21°53'24" N	Not Available	82°23'52" E	Bhatiya
Mahanadi	151.74	JANJGIR - CHAMP,	22°13'0" N	Gneiss/Amphibolite/Gra	82°31'10" E	Burgahan EW
Mahanadi	10	JANJGIR - CHAMP,	22°7'45" N	Schist/Talc	82°27'30" E	Charpara EW
Mahanadi	6.36	JANJGIR - CHAMP,	21°50'0" N	Shale With Limestone/S	82°49'15" E	Jaijaipur D
Mahanadi		JANJGIR - CHAMP,	22°2'0" N	Not Available	82°20'22" E	Jairamnagar

Mahanadi	50	JANJGIR - CHAMP, 21°52'11" N	Shale With Limestone/S	82°27'13" E	Janjgir S
Mahanadi	14.83	JANJGIR - CHAMP, 21°51'10" N	Limestone	82°22'58" E	Jewara
Mahanadi	151.8	JANJGIR - CHAMP, 21°56'25" N	Not Available	82°19'30" E	Khutighat
Mahanadi	151.8	JANJGIR - CHAMP, 21°56'0" N	Shale With Limestone/S	82°19'30" E	Khutighat EW
Mahanadi	10.5	JANJGIR - CHAMP, 21°55'30" N	Shale	82°20'30" E	Konargarh
Mahanadi	100	JANJGIR - CHAMP, 22°2'0" N	Limestone Cavernous	82°20'30" E	Kotmi EW
Mahanadi	12.14	JANJGIR - CHAMP, 21°55'49" N	Limestone Cavernous	82°21'24" E	Mulmula
Mahanadi	151.8	JANJGIR - CHAMP, 21°56'52" N	Not Available	82°24'18" E	Nariyara
Mahanadi	100	JANJGIR - CHAMP, 21°52'15" N	Shale With Limestone/S	82°27'10" E	Pamgarh D
Mahanadi	9.1	JANJGIR - CHAMP, 21°52'15" N	Shale With Limestone/S	82°27'10" E	Pamgarh S
Mahanadi	50	JANJGIR - CHAMP, 21°47'0" N	Shale	82°23'0" E	Sahasa EW
Mahanadi	6.9	JANJGIR - CHAMP, 21°45'4" N	Granite Gneiss	83°10'25" E	Sapos
Mahanadi	50	JANJGIR - CHAMP, 21°46'33" N	Shale	82°23'4" E	Sasaha
Mahanadi	100	JANJGIR - CHAMP, 21°57'41" N	Shale With Limestone/S	82°42'2" E	Somthi
Mahanadi	10.9	JANJGIR - CHAMP, 21°59'0" N	Shale	82°25'10" E	Tarod EW
Mahanadi	205.75	DURG 21°50'10" N	Shale	81°36'0" E	Andhiarkhor EW
Mahanadi	266.5	DURG 21°50'10" N	Shale	81°36'0" E	Andhiarkhor OW
Mahanadi	84.22	DURG 20°56'35" N	Shale	81°12'20" E	Arjunda
Mahanadi	11.3	DURG 20°50'0" N	Limestone/Dolomite	81°24'50" E	Armarikalan
Mahanadi		DURG 20°49'58" N	Not Available	81°24'50" E	Armarikalan new
Mahanadi	8.18	DURG 20°54'0" N	Limestone/Dolomite	81°23'0" E	Aroud
Mahanadi	70	DURG 21°57'50" N	Limestone/Dolomite	81°33'0" E	Ashoga
Mahanadi		DURG 20°44'36" N	Not Available	81°3'6" E	Bhalukohna
Mahanadi	12.17	DURG 20°59'20" N	Limestone/Dolomite	81°8'5" E	Bhardakalan EW
Mahanadi	10.27	DURG 20°59'20" N	Limestone/Dolomite	81°8'5" E	Bhardakalan OW
Mahanadi		DURG 20°53'15" N	Limestone Cavernous	80°59'50" E	Bharnabhat
Mahanadi	7.8	DURG 20°57'0" N		81°24'0" E	Bhatagaon_56
Mahanadi	8.7	DURG 20°50'23" N	Not Available	81°17'28" E	Bhatagoan
Mahanadi	9.5	DURG 21°12'15" N	Limestone/Dolomite	81°25'40" E	Bhilai Nagar
Mahanadi	15.22	DURG 21°12'15" N	Shale	81°25'40" E	Bhilai-d
Mahanadi	50.8	DURG 21°12'15" N	Shale	81°25'40" E	Bhilai-s
Mahanadi	45.9	DURG 21°1'52" N	Not Available	81°25'40" E	Bodal
Mahanadi	7.75	DURG 20°51'0" N	Limestone/Dolomite	81°11'0" E	Bori EW(old)
Mahanadi	151.1	DURG 20°51'0" N	Limestone/Dolomite	81°11'0" E	Bori OW(old)
Mahanadi	151.4	DURG 20°57'15" N	Not Available	81°15'29" E	Chichalgondi
Mahanadi	150	DURG 21°52'37" N	Not Available	81°27'52" E	Chilphi
Mahanadi	150	DURG 21°0'42" N	Not Available	81°17'13" E	Danganiya
Mahanadi	7.5	DURG 20°41'30" N	Quartzite	81°9'1" E	Danitola
Mahanadi	25.5	DURG 20°58'50" N	Shale With Limestone/S	81°14'30" E	Deogahan EW
Mahanadi	42.49	DURG 20°58'50" N	Shale With Limestone/S	81°14'30" E	Deogahan OW
Mahanadi	100	DURG 20°46'30" N	Compact Sandstone	81°8'30" E	Dudhli EW
Mahanadi	153.7	DURG 20°52'15" N	Limestone/Dolomite	81°12'32" E	Dundera EW
Mahanadi	51.24	DURG 20°51'0" N	Limestone/Dolomite	81°7'0" E	Faraddih EW
Mahanadi	150	DURG 21°1'0" N		81°25'0" E	Gudhiyari_56
Mahanadi		DURG 20°56'40" N	Shale	81°17'45" E	Gunderdehi
Mahanadi		DURG 20°56'40" N	Shale	81°17'43" E	Gunderdehi1
Mahanadi		DURG 20°41'0" N	Compact Sandstone	81°24'30" E	Gurur
Mahanadi	77.05	DURG 20°41'0" N		81°24'30" E	Gurur_57
Mahanadi	10	DURG 20°58'44" N	Shale With Limestone/S	81°17'20" E	Kachundur
Mahanadi		DURG 20°58'30" N	Shale With Limestone/S	81°18'30" E	Kachundur EW
Mahanadi	51.25	DURG 21°2'8" N	Not Available	81°29'48" E	Kashi
Mahanadi	73	DURG 20°58'0" N		81°2'0" E	Kharkhara_56
Mahanadi	55.32	DURG 21°46'40" N	Shale	81°26'15" E	Khati EW
Mahanadi	23.98	DURG 20°54'0" N	Limestone/Dolomite	81°17'0" E	Limora EW

Mahanadi	12.4	DURG	20°54'0" N	Limestone/Dolomite	81°17'0" E	Limora OW
Mahanadi	17.25	DURG	20°47'33" N	Granite Gneiss	81°3'5" E	Lohara
Mahanadi	48.66	DURG	20°59'30" N	Shale With Limestone/S&	81°10'0" E	Mahud EW
Mahanadi	10.3	DURG	20°34'7" N	Compact Sandstone	81°22'52" E	Markatola
Mahanadi	8.7	DURG	21°2'15" N	Limestone/Dolomite	81°27'30" E	Marra
Mahanadi	300.57	DURG	20°55'0" N		81°14'0" E	Matia_56
Mahanadi	8.9	DURG	20°50'30" N	Limestone/Dolomite	81°14'30" E	Mohlai EW
Mahanadi	55.25	DURG	21°10'0" N	Limestone/Dolomite	81°32'45" E	Motipur
Mahanadi	55.25	DURG	20°51'30" N	Limestone/Dolomite	81°8'0" E	Mudkhusra EW
Mahanadi	67.84	DURG	20°53'0" N	Limestone/Dolomite	81°7'30" E	Muriya EW
Mahanadi	67.82	DURG	20°56'0" N	Shale	81°3'5" E	Nahalda
Mahanadi	75.4	DURG	20°42'14" N	Quartzite	81°6'37" E	Paplatola
Mahanadi	84.26	DURG	21°2'0" N	Shale	81°33'0" E	Patan
Mahanadi	8	DURG	20°44'38" N	Not Available	81°28'26" E	Perpar
Mahanadi	6.14	DURG	20°56'0" N	Shale With Limestone/S&	81°4'50" E	Pharadphor EW
Mahanadi	45.76	DURG	20°51'0" N	Limestone/Dolomite	81°24'30" E	Pikripur EW
Mahanadi		DURG	20°57'0" N	Limestone/Dolomite	80°57'0" E	Pinkapur EW
Mahanadi	10.95	DURG	21°11'35" N	Limestone/Dolomite	81°25'45" E	Purena OW
Mahanadi		DURG	21°11'35" N	Limestone/Dolomite	81°25'45" E	Purena EW
Mahanadi	8	DURG	20°49'15" N	Not Available	81°3'26" E	Sambalpur
Mahanadi	11.5	DURG	20°49'30" N	Compact Sandstone	81°3'30" E	Sambalpur EW
Mahanadi	11.2	DURG	20°49'15" N	Not Available	81°3'26" E	Sambalpur2
Mahanadi	14.4	DURG	20°52'0" N		81°1'0" E	Sanjari_56
Mahanadi	9.83	DURG	20°49'23" N	Not Available	81°15'29" E	Sankri
Mahanadi	63.57	DURG	20°52'35" N	Limestone/Dolomite	81°17'20" E	Sikosa
Mahanadi	36.05	DURG	20°55'20" N	Limestone/Dolomite	81°8'10" E	Suregaon EW
Mahanadi	10.98	DURG	20°55'20" N	Limestone/Dolomite	81°8'10" E	Suregaon OW
Mahanadi	42.76	DURG	20°46'30" N	Compact Sandstone	81°2'30" E	Ureta EW
Mahanadi	76	DURG	20°59'45" N	Shale	81°13'0" E	Wararsakiri EW
Mahanadi	24.56	KAWARDHA	22°5'31" N	Shale	81°13'1" E	Bhaluchuwa EW
Mahanadi	12.4	KAWARDHA	22°4'3" N	Shale	81°12'30" E	Bharamdeo D
Mahanadi	274	KAWARDHA	22°4'5" N	Shale With Limestone/S&	81°12'30" E	Bharamdeo S
Mahanadi	52	KAWARDHA	21°44'29" N	Not Available	81°9'59" E	Bija Bairangi
Mahanadi	11.15	KAWARDHA	21°48'48" N	Shale With Limestone/S&	81°14'41" E	Birendranagar EW
Mahanadi	297.02	KAWARDHA	21°46'2" N	Not Available	81°7'50" E	Biroda
Mahanadi	9	KAWARDHA	22°9'40" N	Limestone/Dolomite	81°13'15" E	Bodla
Mahanadi	119	KAWARDHA	22°9'34" N	Shale With Limestone/S&	81°13'30" E	Bodla EW
Mahanadi	20.66	KAWARDHA	22°10'54" N		81°13'24" E	Bodla_58
Mahanadi	259.01	KAWARDHA	22°9'40" N	Schist/Talc	81°13'15" E	Bodla1 PZ
Mahanadi	46.2	KAWARDHA	21°53'18" N	Phyllite	81°14'44" E	Charbhata EW
Mahanadi	43.5	KAWARDHA	21°53'18" N	Phyllite	81°14'44" E	Charbhata OW
Mahanadi	146.6	KAWARDHA	22°12'30" N		81°11'45" E	Chirapani_58
Mahanadi	6.39	KAWARDHA	21°57'50" N	Limestone/Dolomite	81°12'15" E	Danganiya
Mahanadi	12	KAWARDHA	21°53'5" N	Shale	81°22'30" E	Dashrangpur
Mahanadi	9.6	KAWARDHA	21°53'5" N	Shale	81°22'30" E	Dashrangpur EW
Mahanadi	10	KAWARDHA	21°49'8" N	Limestone	81°11'27" E	Dhandgaon
Mahanadi		KAWARDHA	21°53'0" N	Shale	81°17'0" E	Gochhia EW
Mahanadi		KAWARDHA	21°57'0" N	Shale	81°22'0" E	Indauri EW
Mahanadi		KAWARDHA	22°0'26" N	Limestone/Dolomite	81°14'18" E	Kawardha
Mahanadi		KAWARDHA	22°0'24" N	Shale With Limestone/S&	81°14'21" E	Kawardha EW
Mahanadi		KAWARDHA	22°0'24" N	Shale With Limestone/S&	81°14'21" E	Kawardha OW
Mahanadi		KAWARDHA	22°0'33" N	Shale	81°14'7" E	Kawardha S
Mahanadi	190.6	KAWARDHA	22°1'0" N		81°14'0" E	Kawardha_58
Mahanadi	22.55	KAWARDHA	22°0'26" N	Limestone/Dolomite	81°14'18" E	Kawardha1

Mahanadi	42.91	KAWARDHA	22°0'26" N	Limestone Cavernous	81°14'18" E	Kawardha2
Mahanadi	50	KAWARDHA	22°9'36" N	Shale	81°18'32" E	Khadoula
Mahanadi	11	KAWARDHA	22°10'30" N	Limestone/Dolomite	81°19'0" E	Kharoda Kalan
Mahanadi	10.3	KAWARDHA	21°50'0" N	Shale	81°7'30" E	Lohara-d PZ
Mahanadi	5.52	KAWARDHA	21°50'0" N	Shale	81°7'30" E	Lohara-s PZ
Mahanadi	123.6	KAWARDHA	22°9'1" N	Not Available	81°14'0" E	Mudiyapara
Mahanadi	112.89	KAWARDHA	22°7'0" N	Limestone/Dolomite	81°16'0" E	Pondi EW
Mahanadi	53.72	KAWARDHA	22°6'0" N		81°16'0" E	Pondy_58
Mahanadi	10.3	KAWARDHA	22°4'5" N	Schist/Talc	81°12'30" E	Rajnanwagaon
Mahanadi	300.57	KAWARDHA	21°47'31" N	Not Available	81°14'20" E	Ranvirpur
Mahanadi	27.73	KAWARDHA	21°50'0" N	Limestone/Dolomite	81°11'0" E	Ranvirpur EW
Mahanadi	14.5	KAWARDHA	22°6'0" N	Limestone/Dolomite	81°21'0" E	Raveli EW
Mahanadi	8.75	KAWARDHA	22°3'6" N	Not Available	81°13'12" E	Rengakharkhurd
Mahanadi	123.6	KAWARDHA	22°0'0" N		81°2'45" E	Rjndgaon_57
Mahanadi	50	KAWARDHA	21°50'0" N	Limestone/Dolomite	81°7'45" E	Sahaspur lohara
Mahanadi	12	KAWARDHA	21°50'39" N	Limestone/Dolomite	81°7'41" E	Sahaspur Lohara EW
Mahanadi	50	KAWARDHA	21°50'0" N	Not Available	81°7'45" E	Sahaspur Lohara.1
Mahanadi	100	KAWARDHA	22°10'5" N	Granite Gneiss	81°3'22" E	Saroda Dadar S
Mahanadi	11	KAWARDHA	21°58'0" N		81°8'0" E	Saroda_58
Mahanadi	128.2	KAWARDHA	21°54'0" N		81°7'0" E	Shahspur_57
Mahanadi	50	KAWARDHA	21°47'30" N		81°7'30" E	Silhatta_57
Mahanadi	100	KAWARDHA	22°14'14" N	Shale With Limestone/S	81°16'57" E	Singhari D
Mahanadi		KAWARDHA	22°14'14" N	Shale With Limestone/S	81°16'57" E	Singhari S
Mahanadi		KAWARDHA	21°52'31" N	Shale With Limestone/S	81°10'24" E	Uria Khurud
Mahanadi	15	KANKER	20°30'50" N	Pegmatite/Aplite/Quartz	81°20'35" E	Awary EW
Mahanadi	8.82	KANKER	20°29'22" N	Granite/Granodiorite	81°22'15" E	Charama2
Mahanadi	93.75	KANKER	20°29'30" N	Granite/Granodiorite	81°22'0" E	Charama-EW
Mahanadi	92	KANKER	20°29'30" N	Granite/Granodiorite	81°22'0" E	Charama-OW
Mahanadi	150	KANKER	20°18'15" N	Granite/Granodiorite	81°21'0" E	Dhaneli Kanhar EW
Mahanadi	10.5	KANKER	20°24'0" N	Granite/Granodiorite	81°4'40" E	Kachhe
Mahanadi		KANKER	20°16'25" N	Granite/Granodiorite	81°31'10" E	Kanker-EW
Mahanadi	50	KANKER	20°16'25" N	Granite/Granodiorite	81°31'10" E	Kanker-OW
Mahanadi	100	KANKER	20°19'0" N	Granite/Granodiorite	81°16'20" E	Korar-EW
Mahanadi	148	KANKER	20°18'56" N	Granite/Granodiorite	81°27'32" E	Makri
Mahanadi	105.2	KANKER	20°25'0" N		81°17'0" E	Mayana_53
Mahanadi	75.45	KANKER	20°27'9" N	Sandstone With Shale/C	81°23'34" E	Ratesara
Mahanadi	68	KANKER	20°23'30" N	Granite Gneiss	81°4'55" E	Salhe EW
Mahanadi	8.2	KANKER	20°22'13" N	Sandstone With Shale/C	81°26'29" E	Tegara
Mahanadi	9	JASHPUR	22°28'16" N	Granite/Granodiorite	83°44'39" E	Amatolli
Mahanadi	50	JASHPUR	22°32'40" N	Granite Gneiss	83°44'20" E	Bagbahar S
Mahanadi	8.2	JASHPUR	22°32'40" N	Granite Gneiss	83°44'20" E	Bagh Bahar
Mahanadi	7.5	JASHPUR	22°53'26" N	Granite Gneiss	83°48'41" E	Bangaon B
Mahanadi	50	JASHPUR	22°55'15" N	Not Available	83°42'25" E	Bhitghara
Mahanadi	50	JASHPUR	22°42'59" N	Not Available	84°6'9" E	Duldula
Mahanadi	5.2	JASHPUR	22°33'17" N	Granite Gneiss	83°27'45" E	Pathalgaon S
Mahanadi	8.4	JASHPUR	22°31'8" N	Granite/Granodiorite	83°48'13" E	Srishringa
Mahanadi	50	JASHPUR	22°23'40" N	Granite/Granodiorite	83°41'16" E	Surangpani New
Mahanadi	9	JASHPUR	22°30'13" N	Granite Gneiss	83°37'0" E	Tapkara S
Mahanadi	8.35	KORBA	22°23'30" N	Compact Sandstone	82°22'50" E	Banbandha
Mahanadi	84	KORBA	22°21'5" N	Sandstone	82°26'0" E	Bandhakhar
Mahanadi		KORBA	22°21'15" N	Not Available	82°26'43" E	Bandhakhar Pz I
Mahanadi	10.5	KORBA	22°21'15" N	Not Available	82°26'43" E	Bandhakhar Pz II
Mahanadi	193.74	KORBA	22°21'15" N	Not Available	82°26'43" E	Bandhakhar Pz III
Mahanadi	86	KORBA	22°18'2" N	Not Available	82°32'28" E	Bhilai Nagar Pz -I

Mahanadi	87	KORBA	22°18'2" N	Not Available	82°32'28" E	Bhilai Nagar Pz -II
Mahanadi		KORBA	22°18'21" N	Not Available	82°29'16" E	Chauda
Mahanadi	190.64	KORBA	22°22'35" N	Sandstone	82°22'33" E	Dhourabhata
Mahanadi	69	KORBA	22°24'18" N	Not Available	82°37'6" E	Gajra
Mahanadi	66	KORBA	22°18'2" N	Not Available	82°32'28" E	Hardibajar Pz I
Mahanadi	10.25	KORBA	22°18'2" N	Not Available	82°32'28" E	Hardibajar Pz II
Mahanadi	6.95	KORBA	22°18'2" N	Not Available	82°32'28" E	Hardibajar Pz III
Mahanadi	225.76	KORBA	22°21'20" N	Sandstone With Shale/C	82°32'19" E	Jhabar
Mahanadi	6.82	KORBA	22°18'2" N	Not Available	82°32'28" E	Jhabar pz -D
Mahanadi	94	KORBA	22°18'2" N	Not Available	82°32'28" E	Jhabar Pz-S
Mahanadi	100	KORBA	22°20'45" N	Not Available	82°41'57" E	Korba - D
Mahanadi	89	KORBA	22°27'26" N	Not Available	82°31'58" E	Lakhanpur
Mahanadi	98	KORBA	22°18'29" N	Not Available	82°35'41" E	Mudiyanar
Mahanadi	12.17	KORBA	22°20'42" N	Sandstone With Shale/C	82°46'26" E	Naktikhar
Mahanadi	8.37	KORBA	22°20'25" N	Sandstone	82°28'6" E	Nonbirra
Mahanadi	5.36	KORBA	22°19'45" N	Sandstone With Shale/C	82°27'55" E	Non-Birra EW
Mahanadi	100	KORBA	22°21'23" N	Sandstone With Shale/C	82°25'41" E	Numera
Mahanadi	98	KORBA	22°22'20" N	Compact Sandstone	82°19'20" E	Pali
Mahanadi		KORBA	22°22'25" N	Sandstone	82°16'6" E	Ponri
Mahanadi		KORBA	22°18'18" N	Compact Sandstone	82°31'15" E	Raiki EW
Mahanadi	10.27	KORBA	22°18'18" N	Compact Sandstone	82°31'15" E	Raiki OW
Mahanadi	98	KORBA	22°21'10" N	Not Available	82°27'41" E	Rainpur
Mahanadi		KORBA	22°18'8" N	Sandstone With Shale/C	82°17'30" E	Saraisingar EW
Mahanadi		KAWARDHA	22°9'0" N	Shale	81°29'0" E	Bagharra EW
Mahanadi		KAWARDHA	22°3'0" N	Limestone/Dolomite	81°24'0" E	Damapur EW
Mahanadi	9.8	KAWARDHA	22°14'15" N	Limestone/Dolomite	81°32'45" E	Kapada
Mahanadi	9.75	KAWARDHA	22°12'43" N	Not Available	81°29'38" E	Kishangarh
Mahanadi	128	KAWARDHA	22°13'0" N	Shale	81°30'0" E	Kishangarh EW
Mahanadi	123.8	KAWARDHA	22°21'50" N	Granite/Granodiorite	81°21'10" E	Kui
Mahanadi	62.02	KAWARDHA	22°7'0" N	Limestone/Dolomite	81°27'0" E	Kunda EW
Mahanadi	137.4	KAWARDHA	22°22'30" N		81°25'30" E	Mathpur_46
Mahanadi	14.36	KAWARDHA	22°19'35" N	Phyllite	81°23'50" E	Munmuna
Mahanadi	10	KAWARDHA	22°13'5" N	Shale	81°25'5" E	Pandaria
Mahanadi	16	KAWARDHA	22°13'0" N	Shale With Limestone/S	81°24'0" E	Pandaria EW
Mahanadi	27.9	KAWARDHA	22°13'0" N	Shale	81°25'5" E	Pandaria1 PZ
Mahanadi	10	KAWARDHA	22°13'0" N		81°25'0" E	Pandariya_58
Mahanadi	128.2	KAWARDHA	22°1'30" N	Shale With Limestone/S	81°19'30" E	Pandatarai EW
Mahanadi	114.4	KAWARDHA	22°16'45" N	Granite Gneiss	81°24'11" E	Sagona S
Mahanadi	21	KAWARDHA	22°16'32" N	Granite Gneiss	81°31'53" E	Sarai Patera S
Mahanadi	8.6	BILASPUR	22°24'30" N	Schist/Talc	81°51'35" E	Achanakmar PZ
Mahanadi	12.35	BILASPUR	22°24'30" N	Phyllite	81°51'35" E	Achanakmar1
Mahanadi	7.45	BILASPUR	22°9'8" N	Sandy Shale	81°36'41" E	Amadob
Mahanadi	15.75	BILASPUR	22°4'43" N	Alluvium	82°8'35" E	Apna Nursary
Mahanadi	125.5	BILASPUR	22°34'12" N	Granite Gneiss	81°45'25" E	Attaria
Mahanadi	8.5	BILASPUR	22°28'10" N	Not Available	82°6'16" E	Banabel
Mahanadi	8.86	BILASPUR	22°22'53" N	Compact Sandstone	81°53'59" E	Barighat
Mahanadi	12.45	BILASPUR	21°52'47" N	Limestone	82°8'51" E	Bartoli
Mahanadi	16.1	BILASPUR	22°26'0" N	Phyllite	82°2'0" E	Belgahana
Mahanadi	65	BILASPUR	22°12'21" N	Limestone/Dolomite	81°52'21" E	Belpa EW
Mahanadi	9.25	BILASPUR	22°16'22" N	Schist/Talc	82°16'25" E	Beltara EW
Mahanadi	150	BILASPUR	22°18'0" N		82°5'0" E	Bhasjhar_46
Mahanadi	15.6	BILASPUR	22°6'45" N	Limestone/Dolomite	82°6'0" E	Bilaspur
Mahanadi	75.8	BILASPUR	22°4'50" N	Alluvium	82°8'0" E	Bilaspur (urban)
Mahanadi	11.15	BILASPUR	22°25'36" N	Granite Gneiss	81°47'42" E	Bindabal

Mahanadi	115.3	BILASPUR	22°5'0" N		82°9'0" E	BLSP_02_46
Mahanadi	150	BILASPUR	22°1'5" N	Limestone/Dolomite	82°6'48" E	Bodri EW
Mahanadi	150	BILASPUR	22°1'55" N	Limestone/Dolomite	82°5'36" E	Bodrikhar
Mahanadi	9.45	BILASPUR	22°0'46" N	Limestone/Dolomite	82°5'47" E	Chakarbhata
Mahanadi	150	BILASPUR	22°6'45" N	Limestone/Dolomite	82°6'0" E	Chakrabhata-d PZ
Mahanadi		BILASPUR	22°6'45" N	Limestone Cavernous	82°6'0" E	Chakrabhata-s PZ
Mahanadi		BILASPUR	22°16'20" N	Not Available	82°16'5" E	Chandkhuri (d)
Mahanadi	15.1	BILASPUR	22°16'20" N	Not Available	82°16'5" E	Chandkhuri (s)
Mahanadi	50	BILASPUR	22°13'39" N	Not Available	81°40'8" E	Chandli
Mahanadi	74.4	BILASPUR	22°13'40" N	Not Available	81°39'55" E	Chandli
Mahanadi	123	BILASPUR	22°9'8" N	Granite Gneiss	81°36'41" E	Chattan
Mahanadi		BILASPUR	22°9'11" N	Limestone/Dolomite	81°36'7" E	Chattan EW
Mahanadi	7.95	BILASPUR	22°26'30" N	Granite/Granodiorite	81°46'15" E	Chhaparwa
Mahanadi	9.8	BILASPUR	22°0'23" N	Limestone/Dolomite	81°42'58" E	Chirhula
Mahanadi		BILASPUR	21°53'45" N	Limestone/Dolomite	82°3'58" E	Dagauri EW
Mahanadi		BILASPUR	22°12'14" N	Shale	81°55'25" E	Daija EW
Mahanadi		BILASPUR	22°5'24" N	Not Available	81°49'31" E	Daukapa
Mahanadi		BILASPUR	22°6'54" N	Limestone/Dolomite	81°40'14" E	Deori
Mahanadi		BILASPUR	22°5'48" N		81°45'40" E	Dharampur_46
Mahanadi	9.2	BILASPUR	22°1'21" N	Alluvium	82°12'17" E	Dhuma
Mahanadi	11.2	BILASPUR	22°2'32" N	Alluvium	82°13'1" E	Dhumnidhenka
Mahanadi	107	BILASPUR	22°1'53" N	Limestone/Dolomite	81°30'56" E	Donda EW
Mahanadi	8.72	BILASPUR	21°53'32" N	Limestone/Dolomite	82°12'3" E	Durgdih EW
Mahanadi	133	BILASPUR	22°10'1" N	Not Available	81°37'32" E	Fulwari
Mahanadi	137.7	BILASPUR	22°2'45" N	Alluvium	82°10'43" E	Ganesh Nagar
Mahanadi	13	BILASPUR	22°11'38" N	Not Available	82°2'52" E	Ganiyari
Mahanadi	10.95	BILASPUR	22°11'10" N	Shale	82°2'30" E	Ganiyari
Mahanadi	9.2	BILASPUR	22°11'10" N	Shale	82°2'30" E	Ganiyari - 1
Mahanadi	6.2	BILASPUR	22°11'45" N	Shale	82°1'9" E	Ganiyari EW
Mahanadi	9.4	BILASPUR	22°11'11" N	Not Available	82°2'28" E	Ganiyari new
Mahanadi	10.55	BILASPUR	22°11'36" N	Not Available	82°2'49" E	Ganiyari New
Mahanadi	114.75	BILASPUR	22°11'10" N	Shale	82°2'30" E	Ganiyari.2
Mahanadi	92	BILASPUR	22°11'40" N	Limestone/Dolomite	82°8'20" E	Gatori
Mahanadi	150	BILASPUR	22°16'54" N	Shale	81°58'24" E	Gobripat EW
Mahanadi	9.3	BILASPUR	22°16'32" N	Shale With Limestone/Sc	81°38'44" E	Godkhami
Mahanadi	113.16	BILASPUR	21°58'15" N	Limestone/Dolomite	82°3'0" E	Hirri
Mahanadi	131.6	BILASPUR	22°4'37" N	Alluvium	82°8'19" E	Jarhabhata
Mahanadi	132	BILASPUR	22°6'43" N	Limestone/Dolomite	81°49'30" E	Jarhagaon EW
Mahanadi	13.5	BILASPUR	22°7'0" N		81°50'0" E	Jarhagaon_46
Mahanadi	100	BILASPUR	22°8'0" N		82°17'0" E	Jhanji_LR46
Mahanadi	113	BILASPUR	22°17'45" N	Quartzite	82°4'30" E	Jogipur
Mahanadi	16	BILASPUR	22°17'45" N	Schist/Talc	82°4'30" E	Jogipur EW
Mahanadi	141	BILASPUR	22°38'23" N	Granite/Granodiorite	82°0'13" E	Jogisar EW
Mahanadi	12.55	BILASPUR	22°1'16" N	Alluvium	82°13'38" E	Kailashnagar
Mahanadi	54.8	BILASPUR	22°9'10" N	Shale	81°39'0" E	Kanteli
Mahanadi	25.75	BILASPUR	22°9'10" N	Shale	81°39'0" E	Kanteli.1
Mahanadi	15.5	BILASPUR	22°16'3" N	Shale With Limestone/Sc	81°57'31" E	Kargikhurud
Mahanadi	22	BILASPUR	22°31'55" N	Phyllite	82°4'50" E	Kenda
Mahanadi	22.45	BILASPUR	22°32'0" N		82°5'0" E	Kenda_47
Mahanadi	11.4	BILASPUR	22°37'15" N	Granite/Granodiorite	81°46'15" E	Keonchi
Mahanadi	89	BILASPUR	22°37'15" N	Not Available	81°46'15" E	Keonchi (D)
Mahanadi	15.25	BILASPUR	22°37'15" N	Not Available	81°46'15" E	Keonchi (s)
Mahanadi	6.45	BILASPUR	22°38'0" N		81°47'0" E	Keonchi_46
Mahanadi	134	BILASPUR	22°7'20" N	Shale	81°59'15" E	Khamharia1

Mahanadi	124.08	BILASPUR	21°50'27" N	Limestone/Dolomite	82°7'52" E	Khapri EW
Mahanadi	124	BILASPUR	22°40'0" N		81°56'0" E	Khodri_46
Mahanadi	29.5	BILASPUR	22°23'15" N		81°35'56" E	Khuria_46
Mahanadi	10	BILASPUR	22°7'30" N	Alluvium	82°7'48" E	Koni 1
Mahanadi	13.5	BILASPUR	22°1'40" N	Alluvium	82°10'0" E	Kormi
Mahanadi	119	BILASPUR	22°17'20" N	Shale	82°1'20" E	Kota PZ
Mahanadi	17	BILASPUR	22°17'20" N	Limestone/Dolomite	82°1'30" E	Kota(kargi)
Mahanadi		BILASPUR	22°8'33" N	Not Available	82°24'58" E	Kuli
Mahanadi		BILASPUR	22°32'30" N	Granite/Granodiorite	81°44'45" E	Lamni
Mahanadi		BILASPUR	22°7'45" N	Shale	82°6'38" E	Lokhandi
Mahanadi		BILASPUR	22°16'15" N	Shale	81°42'25" E	Lormi
Mahanadi	11	BILASPUR	22°16'15" N	Shale	81°42'25" E	Lormi EW
Mahanadi	8	BILASPUR	22°16'15" N	Shale	81°42'25" E	Lormi1
Mahanadi	10.9	BILASPUR	22°14'28" N	Shale With Limestone/S	82°8'50" E	Madanpur
Mahanadi	10.78	BILASPUR	22°4'0" N		81°42'0" E	Majhgoan_46
Mahanadi	151.74	BILASPUR	22°3'56" N	Limestone/Dolomite	81°41'10" E	Mungeli
Mahanadi	31.07	BILASPUR	22°4'11" N	Shale	81°40'55" E	Mungeli EW
Mahanadi	19.82	BILASPUR	22°3'56" N	Not Available	81°41'10" E	Mungeli(d)
Mahanadi	4.95	BILASPUR	22°4'0" N		81°41'0" E	Mungeli_46
Mahanadi	9.8	BILASPUR	22°25'45" N	Not Available	82°7'18" E	Nawapara
Mahanadi	16.3	BILASPUR	22°1'51" N	Alluvium	82°13'12" E	Nayapara Dheka
Mahanadi	8	BILASPUR	22°9'8" N	Shale With Limestone/S	81°36'41" E	Pali
Mahanadi	9.15	BILASPUR	22°15'27" N	Shale With Limestone/S	81°50'7" E	Pali
Mahanadi		BILASPUR	21°57'30" N	Shale	81°43'52" E	Panderbhata EW
Mahanadi	6.8	BILASPUR	22°18'34" N	Granite Gneiss	81°56'59" E	Patera
Mahanadi	7	BILASPUR	22°6'46" N	Not Available	82°2'41" E	Pendari
Mahanadi	4.8	BILASPUR	22°39'50" N	Granite/Granodiorite	81°53'0" E	Piparkhuti
Mahanadi	9.2	BILASPUR	22°39'50" N	Granite Gneiss	81°52'59" E	Piperkhutnew
Mahanadi	40.25	BILASPUR	22°16'50" N	Shale	82°10'40" E	Ratanpur
Mahanadi	13.5	BILASPUR	22°17'20" N	Limestone/Dolomite	82°10'9" E	Ratanpur EW
Mahanadi	10.8	BILASPUR	22°5'39" N	Shale	81°43'38" E	Rohra EW
Mahanadi	16	BILASPUR	22°41'51" N	Granite Gneiss	81°53'36" E	Rupandand
Mahanadi	11.5	BILASPUR	22°11'58" N	Shale	81°58'44" E	Samdil EW
Mahanadi	16.87	BILASPUR	22°20'30" N	Granite/Granodiorite	81°56'10" E	Saraipalli
Mahanadi	10.3	BILASPUR	22°11'0" N		82°10'0" E	Semarital_46
Mahanadi	13.08	BILASPUR	22°9'58" N	Shale	81°47'31" E	Semarsal EW
Mahanadi	151.5	BILASPUR	22°7'30" N	Limestone/Dolomite	81°32'30" E	Setganga
Mahanadi	12.1	BILASPUR	22°6'37" N	Limestone/Dolomite	81°33'21" E	Setganga EW
Mahanadi	135	BILASPUR	21°57'42" N	Limestone/Dolomite	82°8'19" E	Sewar EW
Mahanadi	6.8	BILASPUR	22°2'40" N	Limestone/Dolomite	82°9'7" E	Sirgiti EW
Mahanadi	11.3	BILASPUR	22°5'8" N	Limestone/Dolomite	81°37'13" E	Sitaldah EW
Mahanadi	87.2	BILASPUR	22°4'41" N	Limestone/Dolomite	81°38'25" E	Sitalkunda
Mahanadi	13.1	BILASPUR	22°8'0" N	Shale	81°52'10" E	Takhatpur
Mahanadi	11.1	BILASPUR	22°7'56" N	Shale	81°52'7" E	Takhatpur EW
Mahanadi	94.65	BILASPUR	22°8'0" N	Sandy Shale	81°52'10" E	Takhatpur.1
Mahanadi	142	BILASPUR	22°4'31" N	Alluvium	82°9'33" E	Telipara
Mahanadi	100	BILASPUR	22°9'11" N	Shale	81°36'7" E	Temri EW
Mahanadi	50	BILASPUR	22°15'54" N	Shale	81°53'29" E	Tendua EW
Mahanadi	10.56	BILASPUR	22°15'15" N	Granite/Granodiorite	81°53'0" E	Tenduwa
Mahanadi		BILASPUR	22°2'9" N	Shale	81°34'30" E	Terhadaura EW
Mahanadi		BILASPUR	22°29'46" N	Granite Gneiss	81°47'43" E	Tilaidabra
Mahanadi	12	RAIGARH	22°33'48" N	Sandstone	83°6'43" E	Boro
Mahanadi	9	RAIGARH	21°35'39" N	Not Available	83°0'9" E	Chhind
Mahanadi	9	RAIGARH	22°38'39" N	Granite Gneiss	83°17'13" E	Derpani

Mahanadi	12 RAIGARH	22°4'53" N	Not Available	83°7'18" E	Dharam I
Mahanadi	50 RAIGARH	22°4'53" N	Not Available	83°7'18" E	Dharam Iii
Mahanadi	12.2 RAIGARH	21°25'30" N	Not Available	83°19'27" E	Jhikipali
Mahanadi	9 RAIGARH	21°27'12" N	Granite/Granodiorite	83°7'10" E	Kanakbira
Mahanadi	100 RAIGARH	22°32'12" N	Sandstone	83°11'42" E	Kandadand
Mahanadi	58 RAIGARH	21°42'58" N	Not Available	83°16'47" E	Kathali
Mahanadi	10.4 RAIGARH	21°34'13" N	Not Available	82°58'32" E	Kedar
Mahanadi	11.2 RAIGARH	21°33'56" N	Limestone Cavernous	82°58'18" E	Kedar S
Mahanadi	7.5 RAIGARH	22°5'45" N	Not Available	83°7'44" E	Khedapali
Mahanadi	6.2 RAIGARH	22°5'45" N	Not Available	83°7'44" E	Khedapali li
Mahanadi	RAIGARH	22°5'45" N	Not Available	83°7'44" E	Khedapali Iii
Mahanadi	RAIGARH	22°37'3" N	Granite Gneiss	83°22'47" E	Lipti
Mahanadi	RAIGARH	22°6'54" N	Not Available	83°7'58" E	Navapara
Mahanadi	RAIGARH	22°6'54" N	Not Available	83°7'58" E	Navapara li
Mahanadi	RAIGARH	21°41'30" N	Not Available	83°23'9" E	Surajgarh
Mahanadi	9 RAIPUR	21°29'0" N		81°58'0" E	Bhalukona_53
Mahanadi	11.36 RAIPUR	21°44'29" N	Sandstone With Shale/Cr	81°48'43" E	Bishrampur
Mahanadi	70 RAIPUR	21°42'26" N	Shale	81°47'20" E	Darchura EW
Mahanadi	8 RAIPUR	21°41'27" N	Limestone/Dolomite	81°46'53" E	Dhamarkhera
Mahanadi	RAIPUR	21°37'46" N	Sandstone With Shale/Cr	81°50'30" E	Hathband
Mahanadi	RAIPUR	21°50'14" N	Sandstone With Shale/Cr	82°2'43" E	Nipania
Mahanadi	RAIPUR	21°37'13" N		81°42'18" E	Simga_53
Mahanadi	11.5 RAIGARH	22°24'32" N	Not Available	83°13'13" E	Amagoan
Mahanadi	8.4 RAIGARH	22°22'14" N	Granite Gneiss	83°14'3" E	Amapali
Mahanadi	5.7 RAIGARH	22°30'8" N	Sandstone	83°11'33" E	Amlipur Amlitikra
Mahanadi	3.95 RAIGARH	22°31'27" N	Sandstone	83°12'6" E	Chunkunidad
Mahanadi	4.4 RAIGARH	22°30'15" N	Sandstone	83°8'2" E	Keradih
Mahanadi	11.5 RAIGARH	22°30'53" N	Sandstone	83°8'33" E	Kerigarhi
Mahanadi	88 RAIGARH	22°30'45" N	Sandstone	83°12'53" E	Lakshmipur
Mahanadi	8.2 RAIGARH	22°27'10" N	Granite/Granodiorite	83°18'51" E	Sirsinga Temple
Mahanadi	10.5 RAIGARH	22°20'29" N	Sandstone	83°6'21" E	Sithra New
Mahanadi	11.8 RAIGARH	22°27'10" N	Granite/Granodiorite	83°18'51" E	Sukwasuava
Mahanadi	15.4 RAIPUR	21°14'18" N	Shale	81°37'30" E	Amapara
Mahanadi	67.15 RAIPUR	21°13'58" N	Shale	81°37'56" E	Aminpara
Mahanadi	RAIPUR	21°42'30" N		82°3'0" E	Arjuni_53
Mahanadi	199 RAIPUR	21°14'20" N	Shale	81°37'15" E	Ashram
Mahanadi	RAIPUR	21°39'20" N	Shale	82°10'0" E	Baloda bazar
Mahanadi	196 RAIPUR	21°39'30" N	Limestone Cavernous	82°8'5" E	Baloda bazar1
Mahanadi	RAIPUR	21°17'50" N	Limestone/Dolomite	81°42'45" E	Baroda
Mahanadi	RAIPUR	21°17'40" N	Limestone/Dolomite	81°43'50" E	Baroda OW7
Mahanadi	RAIPUR	21°17'40" N	Limestone/Dolomite	81°43'50" E	Baroda OW8
Mahanadi	10.45 RAIPUR	21°39'25" N		82°9'50" E	Bbazar_53
Mahanadi	15.5 RAIPUR	21°19'0" N	Shale With Limestone/S&	81°35'0" E	Bendri(Urta) EW
Mahanadi	300.4 RAIPUR	21°24'20" N	Sandstone With Shale/Cr	82°1'39" E	Bhaisa
Mahanadi	8.25 RAIPUR	21°41'2" N	Not Available	82°7'58" E	Bharseli
Mahanadi	9.8 RAIPUR	21°12'50" N	Shale With Limestone/S&	81°37'8" E	Bhatagaon
Mahanadi	RAIPUR	21°25'22" N	Not Available	81°58'12" E	Bhatia
Mahanadi	RAIPUR	21°18'48" N	Limestone/Dolomite	81°42'45" E	Bhirkoni
Mahanadi	10.45 RAIPUR	21°32'59" N	Not Available	81°42'28" E	Bhumiya I
Mahanadi	9.3 RAIPUR	21°32'59" N	Not Available	81°42'28" E	Bhumiya II
Mahanadi	281.81 RAIPUR	21°18'15" N	Shale	81°38'0" E	Birgaon
Mahanadi	RAIPUR	21°39'46" N	Sandstone With Shale/Cr	82°13'52" E	Bitkuli
Mahanadi	301.48 RAIPUR	21°32'57" N	Limestone Cavernous	81°42'36" E	Boro
Mahanadi	70.02 RAIPUR	21°14'5" N	Shale	81°38'26" E	Burapara

Mahanadi	146.45	RAIPUR	21°29'51" N	Limestone Cavernous	81°44'48" E	Chanderi
Mahanadi	63.54	RAIPUR	21°27'57" N	Limestone Cavernous	81°51'54" E	Chicholi
Mahanadi	14.1	RAIPUR	21°12'45" N	Limestone Cavernous	81°40'40" E	Deopuri
Mahanadi	8	RAIPUR	21°19'30" N	Shale With Limestone/S	81°38'42" E	Dhaneli
Mahanadi	8	RAIPUR	21°20'8" N	Shale With Limestone/S	81°39'30" E	Dhaneli_1
Mahanadi		RAIPUR	21°13'0" N	Limestone/Dolomite	81°42'40" E	Dharampura
Mahanadi		RAIPUR	21°24'30" N	Limestone/Dolomite	81°40'20" E	Dharsiwa
Mahanadi	300.6	RAIPUR	21°24'30" N	Shale With Limestone/S	81°40'20" E	Dharsiwa D
Mahanadi	8.84	RAIPUR	21°24'30" N	Shale With Limestone/S	81°40'20" E	Dharsiwa S
Mahanadi	7.25	RAIPUR	21°20'0" N	Shale With Limestone/S	81°40'40" E	Girod
Mahanadi	8	RAIPUR	21°16'15" N	Compact Sandstone	81°36'40" E	Gogaon
Mahanadi		RAIPUR	21°15'34" N	Limestone/Dolomite	81°37'23" E	Gudhiyari
Mahanadi		RAIPUR	21°18'15" N	Limestone/Dolomite	81°39'20" E	Guma
Mahanadi		RAIPUR	21°16'36" N	Shale With Limestone/S	81°34'28" E	Jarwai
Mahanadi	62.9	RAIPUR	21°14'25" N	Limestone/Dolomite	81°42'40" E	Jora
Mahanadi	62.9	RAIPUR	21°16'0" N	Limestone/Dolomite	81°42'30" E	Kachna
Mahanadi	10	RAIPUR	21°24'1" N	Sandy Shale	81°59'31" E	Kanki
Mahanadi	62.9	RAIPUR	21°23'0" N		81°59'0" E	Kanki_53
Mahanadi	12.65	RAIPUR	21°12'18" N	Not Available	81°41'53" E	Kendri I
Mahanadi	12.5	RAIPUR	21°12'18" N	Not Available	81°41'53" E	Kendri Iii
Mahanadi	13.3	RAIPUR	21°12'18" N	Not Available	81°41'53" E	Kendri Iv
Mahanadi	9.35	RAIPUR	21°19'50" N	Limestone/Dolomite	81°34'45" E	Kera
Mahanadi	290	RAIPUR	21°34'45" N	Shale With Limestone/S	81°50'9" E	Khapri Kurud EW
Mahanadi	301	RAIPUR	21°15'5" N	Limestone Cavernous	81°36'8" E	Kota
Mahanadi	9.7	RAIPUR	21°15'45" N	Limestone/Dolomite	81°37'0" E	Kota EW
Mahanadi	290	RAIPUR	21°38'0" N		82°17'0" E	Lahud_53
Mahanadi	7.14	RAIPUR	21°11'30" N	Shale With Limestone/S	81°53'30" E	Lakholi EW
Mahanadi	9.85	RAIPUR	21°20'20" N	Shale With Limestone/S	81°42'21" E	Mandhar D
Mahanadi	11.15	RAIPUR	21°20'20" N	Shale With Limestone/S	81°42'21" E	Mandhar S
Mahanadi	10	RAIPUR	21°13'15" N	Limestone/Dolomite	81°46'0" E	Mandirhasud
Mahanadi	15	RAIPUR	21°12'45" N	Limestone/Dolomite	81°46'10" E	Mandirhasud EW
Mahanadi	70	RAIPUR	21°23'35" N	Not Available	81°54'16" E	Math
Mahanadi	50	RAIPUR	21°39'50" N	Limestone/Dolomite	82°4'50" E	Mudhipar EW
Mahanadi	100	RAIPUR	21°29'0" N	Limestone/Dolomite	81°54'15" E	Murpar EW
Mahanadi	21.55	RAIPUR	21°15'32" N	Limestone/Dolomite	81°33'55" E	MVM Tatibandh
Mahanadi	39.5	RAIPUR	21°15'50" N	Not Available	81°53'16" E	Narra
Mahanadi	196.6	RAIPUR	21°15'48" N	Sandstone With Shale/C	81°53'22" E	Narra
Mahanadi	13	RAIPUR	21°12'54" N	Not Available	81°48'46" E	Nawagaon
Mahanadi	50	RAIPUR	21°23'33" N	Limestone/Dolomite	81°55'0" E	Nawagaon EW
Mahanadi	100	RAIPUR	21°33'0" N		81°50'0" E	Newara_53
Mahanadi		RAIPUR	21°12'0" N		81°49'0" E	Nwgontnk_53
Mahanadi		RAIPUR	21°27'48" N	Limestone	81°39'48" E	Pandan Bhata
Mahanadi		RAIPUR	21°27'46" N	Shale With Limestone/S	81°39'9" E	Panderbhata S
Mahanadi	50	RAIPUR	21°13'6" N	Limestone/Dolomite	81°41'30" E	Phundardih
Mahanadi	14.5	RAIPUR	21°24'0" N		81°51'0" E	Pindrawan_53
Mahanadi	300.51	RAIPUR	21°15'25" N	Limestone/Dolomite	81°43'45" E	Pirda
Mahanadi	13	RAIPUR	21°13'15" N	Shale	81°40'17" E	Purena
Mahanadi	8.05	RAIPUR	21°14'22" N	Limestone/Dolomite	81°35'2" E	R.S.University Campus
Mahanadi	12	RAIPUR	21°14'40" N	Limestone/Dolomite	81°37'15" E	Raipur
Mahanadi	12	RAIPUR	21°14'40" N	Limestone/Dolomite	81°37'15" E	Raipur (IGKV)-S
Mahanadi	14.5	RAIPUR	21°14'40" N	Limestone/Dolomite	81°37'15" E	Raipur(IGKV)-D
Mahanadi	16	RAIPUR	21°18'0" N	Limestone/Dolomite	81°43'0" E	Raipur(RGNGWTRI)
Mahanadi	10.4	RAIPUR	21°13'30" N	Limestone/Dolomite	81°35'38" E	Raipura
Mahanadi	60	RAIPUR	21°13'30" N	Limestone/Dolomite	81°35'50" E	Raipura-1

Mahanadi	10.22 RAIPUR	21°14'35" N	Shale	81°39'30" E	Raja Talab
Mahanadi	13 RAIPUR	21°14'35" N	Shale	81°39'30" E	Raja Talab1
Mahanadi	3.2 RAIPUR	21°31'30" N	Limestone Cavernous	81°50'50" E	Rajia EW
Mahanadi	16.87 RAIPUR	21°19'30" N	Shale With Limestone/S&	81°38'42" E	Rawabhata
Mahanadi	30.88 RAIPUR	21°19'0" N	Limestone/Dolomite	81°38'30" E	Rawabhata EW
Mahanadi	122.08 RAIPUR	21°16'10" N	Shale	81°38'18" E	Rvh colony
Mahanadi	7.32 RAIPUR	21°16'18" N	Limestone/Dolomite	81°41'20" E	Saddu
Mahanadi	198 RAIPUR	21°21'15" N	Shale With Limestone/S&	81°39'25" E	Sakra
Mahanadi	13.5 RAIPUR	21°14'46" N	Shale	81°39'47" E	Sankar Nagar
Mahanadi	14.08 RAIPUR	21°22'0" N	Limestone/Dolomite	81°49'0" E	Saragaon EW
Mahanadi	9.95 RAIPUR	21°22'0" N	Limestone/Dolomite	81°45'25" E	Saragaon2 PZ
Mahanadi	13.1 RAIPUR	21°14'41" N	Limestone Cavernous	81°34'41" E	Sarona
Mahanadi	12 RAIPUR	21°15'44" N	Shale	81°38'51" E	Sastri Nagar(Phapadih)
Mahanadi	9.7 RAIPUR	21°39'8" N	Limestone	82°29'29" E	Sel
Mahanadi	199 RAIPUR	21°19'49" N	Limestone	81°45'44" E	Semariya
Mahanadi	16.25 RAIPUR	21°14'45" N	Shale	81°37'50" E	Shankar Nagar
Mahanadi	RAIPUR	21°14'6" N	Shale	81°39'47" E	Shyam Nagar
Mahanadi	12 RAIPUR	21°14'6" N	Shale	81°39'42" E	Shyamnagar
Mahanadi	10.2 RAIPUR	21°14'24" N	Limestone/Dolomite	81°41'11" E	Sunita park
Mahanadi	12.97 RAIPUR	21°42'30" N	Shale	82°27'10" E	Sunsunia EW
Mahanadi	14 RAIPUR	21°24'20" N	Shale With Limestone/S&	81°44'45" E	Taresar EW
Mahanadi	17 RAIPUR	21°29'26" N	Limestone/Dolomite	81°41'21" E	Tarpongi
Mahanadi	60 RAIPUR	21°15'48" N	Shale With Limestone/S&	81°34'24" E	Tatibandh
Mahanadi	11.4 RAIPUR	21°19'20" N	Shale	81°41'35" E	Tekari
Mahanadi	16.35 RAIPUR	21°14'20" N	Shale	81°41'8" E	Teli bandha
Mahanadi	182.6 RAIPUR	21°32'9" N	Limestone/Dolomite	81°48'2" E	Tulsi Neora EW
Mahanadi	135 RAIPUR	21°38'57" N	Limestone	82°38'57" E	Tundei
Mahanadi	8 RAIPUR	21°25'9" N	Not Available	81°45'37" E	Tuta I
Mahanadi	12 RAIPUR	21°25'9" N	Not Available	81°45'37" E	Tuta li
Mahanadi	12.93 RAIPUR	21°25'9" N	Not Available	81°45'37" E	Tuta Iii
Mahanadi	RAIPUR	21°12'0" N	Shale	81°52'0" E	Umaria station
Mahanadi	RAIPUR	21°18'34" N	Limestone	81°36'31" E	Urla
Mahanadi	RAIPUR	21°19'22" N	Limestone	81°35'0" E	Urla-PZ
Mahanadi	9 RAJNANDGAON	21°20'51" N	Sandstone	80°58'44" E	Badaitola
Mahanadi	9 RAJNANDGAON	21°23'15" N	Granite/Granodiorite	80°50'45" E	Baigatola
Mahanadi	151.2 RAJNANDGAON	21°21'0" N	Shale With Limestone/S&	80°59'0" E	Barhaitola EW
Mahanadi	190.58 RAJNANDGAON	21°24'31" N	Limestone	81°0'23" E	Dhaneli
Mahanadi	10.18 RAJNANDGAON	21°21'54" N	Not Available	81°9'17" E	Jalbanda
Mahanadi	16 RAJNANDGAON	21°26'0" N	Compact Sandstone	80°58'15" E	Khairagarh
Mahanadi	14.3 RAJNANDGAON	21°24'0" N		80°58'0" E	Khairgarh_57
Mahanadi	198 RAJNANDGAON	21°23'13" N	Limestone	81°4'20" E	Madrakuhi
Mahanadi	5.7 RAJNANDGAON	21°25'0" N		80°50'0" E	Nawagaon_57
Mahanadi	10.81 RAJNANDGAON	21°27'0" N	Compact Sandstone	80°58'0" E	Pipariya EW
Mahanadi	190.62 RAJNANDGAON	21°22'2" N	Shale	81°6'45" E	Rangkathera
Mahanadi	9.5 RAJNANDGAON	21°17'0" N		80°58'10" E	Rusetank_57
Mahanadi	8.3 RAJNANDGAON	21°19'13" N	Shale With Sandstone Pa	80°51'53" E	Sahaspur Dalli
Mahanadi	RAJNANDGAON	21°19'0" N	Rhyolite	80°54'45" E	Salgapat
Mahanadi	RAJNANDGAON	21°23'0" N	Shale	81°4'0" E	Saloni
Mahanadi	RAJNANDGAON	21°26'20" N	Rhyolite	80°55'0" E	Singarghat EW
Mahanadi	160 RAIPUR	21°3'0" N	Shale	81°44'45" E	Abhanpur
Mahanadi	RAIPUR	21°3'30" N	Shale With Limestone/S&	81°44'20" E	Abhanpur D
Mahanadi	134.5 RAIPUR	21°3'30" N	Shale	81°44'10" E	Abhanpur EW
Mahanadi	205.69 RAIPUR	21°3'30" N	Shale With Limestone/S&	81°44'20" E	Abhanpur S
Mahanadi	129 RAIPUR	21°16'50" N	Shale With Limestone/S&	81°42'50" E	Amaseoni

Mahanadi	42.1	RAIPUR	21°17'40" N	Limestone/Dolomite	81°43'50" E	Baroda EW
Mahanadi	92	RAIPUR	21°17'40" N	Limestone/Dolomite	81°43'50" E	Baroda OW1
Mahanadi	17.11	RAIPUR	21°17'40" N	Limestone/Dolomite	81°43'50" E	Baroda OW2
Mahanadi	28	RAIPUR	21°17'40" N	Limestone/Dolomite	81°43'50" E	Baroda OW3
Mahanadi	62.18	RAIPUR	21°17'40" N	Limestone/Dolomite	81°43'50" E	Baroda OW4
Mahanadi	137.2	RAIPUR	21°17'40" N	Limestone/Dolomite	81°43'50" E	Baroda OW5
Mahanadi	13.5	RAIPUR	21°17'40" N	Limestone/Dolomite	81°43'50" E	Baroda OW6
Mahanadi	8	RAIPUR	20°41'35" N	Sandstone With Shale/Cr	82°0'38" E	Baruka
Mahanadi		RAIPUR	20°41'34" N	Not Available	82°0'39" E	Baruka
Mahanadi	10.9	RAIPUR	21°44'0" N	Limestone Cavernous	81°57'0" E	Bhatapara EW
Mahanadi	30.8	RAIPUR	21°44'0" N	Limestone Cavernous	81°57'0" E	Bhattapara-D
Mahanadi	15	RAIPUR	21°44'30" N	Limestone/Dolomite	81°57'20" E	Bhattapara-S
Mahanadi	100	RAIPUR	21°33'0" N		82°7'0" E	Chuchrung_58
Mahanadi	11.5	RAIPUR	21°16'42" N	Shale	81°40'10" E	Daldal Seoni
Mahanadi	100	RAIPUR	21°46'45" N	Shale With Limestone/S&	81°56'15" E	Deori EW(Raipur)
Mahanadi	50	RAIPUR	21°46'45" N	Shale With Limestone/S&	81°56'15" E	Deori OW(Raipur)
Mahanadi		RAIPUR	21°31'20" N	Not Available	82°4'2" E	Devsundari
Mahanadi		RAIPUR	21°31'21" N	Not Available	82°4'0" E	Devsundra
Mahanadi		RAIPUR	21°11'52" N	Limestone/Dolomite	81°41'23" E	Dumatarai
Mahanadi		RAIPUR	21°16'55" N	Shale	81°37'0" E	Gondwara
Mahanadi		RAIPUR	20°38'57" N	Sandstone With Shale/Cr	82°7'22" E	Kasera
Mahanadi	8	RAIPUR	20°38'52" N	Not Available	82°7'20" E	Kaseru
Mahanadi		RAIPUR	21°6'0" N		81°44'0" E	Kendiri_53
Mahanadi		RAIPUR	21°39'0" N	Not Available	81°58'15" E	Khapri
Mahanadi	9	RAIPUR	20°45'25" N	Sandstone With Shale/Cr	81°56'13" E	Kharkhara
Mahanadi	9	RAIPUR	20°45'21" N	Not Available	82°12'12" E	Kharkhara
Mahanadi	10	RAIPUR	20°57'56" N	Not Available	81°56'12" E	Koma
Mahanadi	8	RAIPUR	20°57'55" N	Sandstone With Shale/Cr	81°56'13" E	Koma
Mahanadi	8	RAIPUR	21°11'30" N	Limestone/Dolomite	81°43'30" E	Mana
Mahanadi		RAIPUR	21°11'32" N	Limestone/Dolomite	81°42'11" E	Mana_1
Mahanadi		RAIPUR	21°10'0" N	Limestone/Dolomite	81°43'45" E	Manabasti
Mahanadi	195.5	RAIPUR	21°50'16" N	Not Available	82°2'42" E	Nipania
Mahanadi	100	RAIPUR	21°31'45" N	Shale	82°9'45" E	Palari
Mahanadi	50	RAIPUR	21°31'51" N	Shale With Limestone/S&	82°10'6" E	Palari D
Mahanadi	19.9	RAIPUR	21°31'52" N	Not Available	82°10'5" E	Palari d
Mahanadi	12.2	RAIPUR	21°31'51" N	Shale With Limestone/S&	82°10'6" E	Palari S
Mahanadi	301.53	RAIPUR	21°31'52" N	Not Available	82°10'5" E	Palari s
Mahanadi	10.55	RAIPUR	21°32'0" N		82°9'0" E	Pallari_53
Mahanadi	11.2	RAIPUR	20°51'59" N	Not Available	82°10'29" E	Parsakhurd
Mahanadi	12.43	RAIPUR	20°51'55" N	Sandstone With Shale/Cr	82°10'37" E	Parsakhurd
Mahanadi	9.18	RAIPUR	21°49'30" N	Shale With Limestone/S&	82°7'45" E	Pasid EW
Mahanadi	10.8	RAIPUR	21°44'0" N	Shale With Limestone/S&	81°52'0" E	Rohra EW
Mahanadi	12	RAIPUR	21°44'0" N	Shale With Limestone/S&	81°52'0" E	Rohra OW-I
Mahanadi	8.9	RAIPUR	21°44'0" N	Shale With Limestone/S&	81°52'0" E	Rohra OW-II
Mahanadi	12	RAIPUR	21°27'0" N	Shale	82°4'30" E	Sandi
Mahanadi	296.95	RAIPUR	21°27'0" N		82°4'0" E	Sandi_53
Mahanadi	281.74	RAIPUR	21°28'0" N	Shale	82°4'30" E	Sandi1
Mahanadi	80.85	RAIPUR	21°17'18" N	Compact Sandstone	81°36'42" E	Sarora
Mahanadi	80.85	RAIPUR	21°16'38" N	Compact Sandstone	81°35'42" E	Sondongri
Mahanadi	81.35	RAIPUR	21°45'0" N	Shale	81°53'10" E	Tarenga
Mahanadi	81.55	RAIPUR	21°17'28" N	Laterite	81°34'28" E	Tendua
Mahanadi	50.95	RAIPUR	21°4'0" N		81°49'0" E	Thanod_53
Mahanadi	12.3	RAJNANDGAON	21°10'7" N	Not Available	81°9'0" E	Nawagaon
Mahanadi	152.52	RAJNANDGAON	21°27'0" N		80°57'0" E	Pipariya_57

Mahanadi	30.46	RAJNANDGAON	21°6'30" N	Shale	81°2'26" E	Rajnandgaon-S PZ
Mahanadi	12	RAJNANDGAON	20°59'52" N	Shale With Limestone/S	81°3'15" E	Ranitarai
Mahanadi	12	RAJNANDGAON	21°5'10" N	Not Available	80°59'37" E	Reevadih
Mahanadi	6.5	RAJNANDGAON	21°23'54" N	Compact Sandstone	80°53'15" E	Salhe Bara
Mahanadi	12	RAJNANDGAON	21°2'0" N	Limestone/Dolomite	81°2'30" E	Singhola
Mahanadi	10.1	RAJNANDGAON	21°7'0" N	Shale	81°8'48" E	Somni EW
Mahanadi		RAJNANDGAON	21°6'14" N	Not Available	81°5'22" E	Sundara
Mahanadi	12.45	RAJNANDGAON	21°1'39" N	Not Available	81°6'50" E	Surgi
Mahanadi		RAIPUR	21°41'30" N	Not Available	82°3'55" E	Arjuni
Mahanadi	13.7	RAIPUR	21°41'30" N	Limestone/Dolomite	82°2'30" E	Arjuni EW
Mahanadi	14.04	RAIPUR	21°41'51" N	Shale With Limestone/S	82°3'34" E	Arjuni S
Mahanadi	15	RAIPUR	21°38'15" N	Shale With Limestone/S	82°5'30" E	Bharwadih EW
Mahanadi	9.1	RAIPUR	21°37'9" N	Not Available	82°2'33" E	Chandi
Mahanadi	14.5	RAIPUR	21°30'0" N	Limestone/Dolomite	82°2'30" E	Chandi EW
Mahanadi	9.1	RAIPUR	21°35'15" N	Shale With Limestone/S	82°12'0" E	Chherkapur EW
Mahanadi		RAIPUR	21°24'1" N	Limestone	81°59'31" E	Chirhula
Mahanadi	196	RAIPUR	21°12'30" N	Limestone/Dolomite	81°40'40" E	Devpuri
Mahanadi	7.85	RAIPUR	21°12'45" N	Limestone Cavernous	81°40'40" E	Devpuri Urban
Mahanadi	7.25	RAIPUR	21°23'43" N	Not Available	81°54'10" E	Hath New
Mahanadi		RAIPUR	21°24'7" N	Shale With Limestone/S	81°59'17" E	Kanki D
Mahanadi		RAIPUR	21°24'7" N	Shale With Limestone/S	81°59'17" E	Kanki S
Mahanadi	7.2	RAIPUR	21°29'0" N		81°59'0" E	Kathia_53
Mahanadi	300.37	RAIPUR	21°12'18" N	Not Available	81°41'53" E	Kendri II
Mahanadi	12.1	RAIPUR	21°23'15" N	Limestone/Dolomite	81°55'15" E	Kharora
Mahanadi	304.4	RAIPUR	21°23'15" N	Limestone/Dolomite	81°55'15" E	Kharora EW
Mahanadi	10.9	RAIPUR	21°20'58" N	Sandy Shale	82°0'22" E	Kusrangi
Mahanadi	15.53	RAIPUR	21°39'15" N	Shale With Limestone/S	82°16'5" E	Lahaud EW
Mahanadi	50	RAIPUR	21°41'31" N	Shale With Limestone/S	82°16'55" E	Lahaud S
Mahanadi	21	RAIPUR	21°12'0" N		81°53'0" E	Lakholi_53
Mahanadi	50	RAIPUR	21°12'42" N	Limestone Cavernous	81°39'50" E	Lalpur
Mahanadi	100	RAIPUR	21°12'20" N	Limestone Cavernous	81°38'4" E	Math Purena
Mahanadi	10	RAIPUR	21°12'32" N	Limestone/Dolomite	81°44'5" E	Nakti
Mahanadi	300.52	RAIPUR	21°15'0" N		81°38'0" E	Raipur_01_53
Mahanadi	7	RAIPUR	21°26'34" N	Limestone	81°43'3" E	Raita Satna Ni Para
Mahanadi	296.9	RAIPUR	21°19'20" N	Shaly Limestone	81°52'0" E	Sakari EW
Mahanadi	10.8	RAIPUR	21°22'0" N	Limestone/Dolomite	81°48'25" E	Saragaon
Mahanadi	50	RAIPUR	21°37'30" N	Shale	81°42'15" E	Simga
Mahanadi	50	RAIPUR	21°37'30" N	Shale	81°42'15" E	Simga EW
Mahanadi	198.35	RAIPUR	21°37'30" N	Limestone Cavernous	81°42'15" E	Simga-d
Mahanadi	196	RAIPUR	21°37'30" N	Shale	81°42'15" E	Simga-s
Mahanadi		RAIPUR	21°36'57" N	Limestone Cavernous	81°58'26" E	Suhela
Mahanadi	220.9	RAIPUR	21°28'47" N		81°50'50" E	Taraseo_53
Mahanadi	13.5	RAIPUR	21°12'16" N	Shale	81°42'25" E	Temri
Mahanadi	10.43	RAIPUR	21°33'5" N	Not Available	81°47'45" E	Tilda
Mahanadi	30.93	RAIPUR	21°33'0" N	Limestone/Dolomite	81°48'0" E	Tilda EW
Mahanadi	55.91	RAIPUR	21°33'16" N	Limestone	81°47'52" E	Tilda Purani Basti
Mahanadi	304	RAIPUR	21°33'30" N	Shale With Limestone/S	81°47'20" E	Tilda S
Mahanadi		RAIGARH	22°4'53" N	Not Available	83°7'18" E	Dharam li
Mahanadi	100	RAIGARH	22°18'12" N	Not Available	83°5'44" E	Hati Pz
Mahanadi	9	RAIGARH	21°30'12" N	Not Available	83°18'7" E	Lendhara
Mahanadi	10	RAIGARH	21°37'55" N	Not Available	83°16'36" E	Mahuapali
Mahanadi	10	RAJNANDGAON	20°46'40" N		80°44'55" E	Ambagarh_57
Mahanadi	15	RAJNANDGAON	21°10'1" N	Not Available	81°12'41" E	Anjora
Mahanadi	9	RAJNANDGAON	20°50'0" N	Rhyolite	80°44'30" E	Bandha Bazar

Mahanadi	10	RAJNANDGAON	20°53'26" N		80°35'6" E	Banjari_56
Mahanadi	9.1	RAJNANDGAON	21°19'6" N	Not Available	81°1'44" E	Bhaistara Bhatapara
Mahanadi	9.3	RAJNANDGAON	21°8'30" N	Not Available	81°3'30" E	Bori
Mahanadi	10	RAJNANDGAON	20°56'0" N	Granite/Granodiorite	80°35'0" E	Buchatola EW
Mahanadi	77.59	RAJNANDGAON	20°48'30" N	Rhyolite	80°48'45" E	Buهرانbheri EW
Mahanadi	22.34	RAJNANDGAON	20°47'4" N	Rhyolite	80°37'4" E	Chilhati
Mahanadi		RAJNANDGAON	21°4'4" N	Granite Gneiss	80°40'34" E	Chinohola
Mahanadi		RAJNANDGAON	21°9'7" N	Not Available	81°11'27" E	Dewada
Mahanadi		RAJNANDGAON	21°6'52" N	Limestone Cavernous	80°54'33" E	Dhaba
Mahanadi	7.4	RAJNANDGAON	21°15'18" N	Granite/Granodiorite	80°51'34" E	Dhara
Mahanadi	11.8	RAJNANDGAON	21°15'10" N	Granite/Granodiorite	80°51'25" E	Dhara (Barhaitola) EW
Mahanadi	60.57	RAJNANDGAON	21°1'48" N	Granite Gneiss	80°52'14" E	Diwanbhedi
Mahanadi	13	RAJNANDGAON	20°58'15" N	Granite/Granodiorite	80°51'25" E	Dongargaon
Mahanadi	12	RAJNANDGAON	21°12'54" N	Not Available	80°47'33" E	Dongargarh
Mahanadi		RAJNANDGAON	21°11'0" N		80°46'0" E	Dongrgarh_57
Mahanadi	300.52	RAJNANDGAON	20°54'6" N	Rhyolite	80°38'34" E	Gandatola
Mahanadi	9.65	RAJNANDGAON	20°54'10" N	Rhyolite	80°38'55" E	Gendatola EW
Mahanadi	10.75	RAJNANDGAON	20°54'0" N	Acidic Rocks	80°54'0" E	Gidari EW
Mahanadi	103.94	RAJNANDGAON	21°5'59" N	Granite/Granodiorite	80°42'5" E	Govindpur
Mahanadi	9.3	RAJNANDGAON	20°39'10" N	Basic Rocks	80°43'35" E	Hiddar EW
Mahanadi	9.8	RAJNANDGAON	21°12'54" N	Not Available	80°47'33" E	Kalkosa
Mahanadi	11.7	RAJNANDGAON	20°43'0" N	Acidic Rocks	80°44'0" E	Kaudikasa EW2
Mahanadi	11.1	RAJNANDGAON	20°48'30" N	Rhyolite	80°48'46" E	Keshritola EW
Mahanadi	12.71	RAJNANDGAON	20°59'30" N	Granite/Granodiorite	80°44'45" E	Kokpur
Mahanadi	140.92	RAJNANDGAON	21°4'15" N	Acidic Rocks	80°49'0" E	Kolhiapuri EW
Mahanadi	150.81	RAJNANDGAON	20°53'26" N	Rhyolite	80°46'7" E	Kumarda
Mahanadi	145	RAJNANDGAON	20°53'26" N	Rhyolite	80°46'7" E	Kumarda.1
Mahanadi	5.7	RAJNANDGAON	21°8'0" N		80°37'0" E	Madiyan_57
Mahanadi		RAJNANDGAON	20°42'43" N	Basalt/Metavolcanics	80°43'28" E	Mandirpara - II EW
Mahanadi	126	RAJNANDGAON	20°53'15" N		80°56'30" E	Matiamoti_57
Mahanadi		RAJNANDGAON	20°57'0" N	Granite/Granodiorite	80°50'0" E	Mohad EW
Mahanadi		RAJNANDGAON	20°42'19" N	Basic Rocks	80°44'29" E	Muretitolal
Mahanadi	8	RAJNANDGAON	21°11'40" N	Not Available	81°9'23" E	Murhipar
Mahanadi	152.7	RAJNANDGAON	21°2'30" N	Basic Rocks	80°46'0" E	Nawagaon-Bichapur EW -1
Mahanadi	76	RAJNANDGAON	21°2'30" N	Basic Rocks	80°46'0" E	Nawagaon-Bichapur EW -2
Mahanadi	152.7	RAJNANDGAON	21°12'0" N		80°40'0" E	Paniyajob_57
Mahanadi	10.4	RAJNANDGAON	21°5'30" N	Shale	81°2'30" E	Rajnandgaon
Mahanadi	13.4	RAJNANDGAON	21°6'30" N	Shale	81°2'26" E	Rajnandgaon-D PZ
Mahanadi		RAJNANDGAON	21°3'19" N	Shaly Sandstone	81°2'51" E	Rampur
Mahanadi	10.89	RAJNANDGAON	21°4'24" N	Not Available	80°42'50" E	Rampur
Mahanadi	9.5	RAJNANDGAON	20°55'5" N	Granite/Granodiorite	80°57'22" E	Ratanbhata EW
Mahanadi	91.4	RAJNANDGAON	21°7'6" N	Shale With Limestone/S&	81°0'21" E	Ravagahan
Mahanadi	11.1	RAJNANDGAON	21°13'10" N	Granite/Granodiorite	80°49'32" E	Reevagaon
Mahanadi	150.81	RAJNANDGAON	21°12'12" N	Not Available	80°54'15" E	Salteakri1
Mahanadi	137.1	RAJNANDGAON	21°1'47" N	Shale	81°6'37" E	Surgi EW
Mahanadi	9.65	RAJNANDGAON	21°10'0" N	Limestone/Dolomite	81°2'10" E	Talai
Mahanadi	150	RAJNANDGAON	21°4'35" N	Gneiss/Amphibolite/Gra	80°49'16" E	Tappa
Mahanadi	69.3	RAJNANDGAON	20°49'52" N	Rhyolite	80°45'41" E	Telitola EW
Mahanadi	40	RAJNANDGAON	21°14'30" N	Limestone/Dolomite	81°1'45" E	Thelkadih
Mahanadi	89.6	RAJNANDGAON	21°14'30" N	Limestone/Dolomite	81°1'45" E	Thelkadih OW
Mahanadi	84.3	RAJNANDGAON	21°14'41" N	Not Available	81°8'24" E	Uperwahi
Mahanadi	7.8	SURGUJA	23°23'4" N	Granite Gneiss	83°28'1" E	Alkadiah
Mahanadi		SURGUJA	23°13'38" N	Granite Gneiss	83°24'35" E	Amdih
Mahanadi	6.9	SURGUJA	22°55'10" N	Not Available	83°17'55" E	Amgaon

Mahanadi	20	SURGUJA	23°48'59" N	Sandstone	83°27'55" E	Bagra
Mahanadi		SURGUJA	23°25'2" N	Granite Gneiss	83°3'28" E	Basin
Mahanadi	50	SURGUJA	22°59'17" N	Granite Gneiss	83°24'11" E	Batauli S
Mahanadi	50	SURGUJA	22°58'56" N	Sandstone	83°13'13" E	Chatakpur
Mahanadi	10	SURGUJA	23°6'35" N	Not Available	83°22'59" E	Dandgaon Koltapara
Mahanadi	14.5	SURGUJA	23°12'52" N	Not Available	83°7'39" E	Dwarikanagar
Mahanadi		SURGUJA	23°1'30" N	Not Available	82°39'54" E	Fulkona
Mahanadi	7	SURGUJA	23°2'0" N	Granite Gneiss	83°28'3" E	Ghorghadi
Mahanadi	5.7	SURGUJA	23°3'46" N	Not Available	82°38'51" E	Hanumangarh
Mahanadi	9.55	SURGUJA	23°4'16" N	Sandstone	83°12'43" E	Kakalo
Mahanadi	9.7	SURGUJA	23°11'41" N	Sandstone With Shale/C	83°3'33" E	Kanakpur
Mahanadi		SURGUJA	23°14'38" N	Not Available	82°49'24" E	Krishnapur Kalwa
Mahanadi	9.4	SURGUJA	23°19'23" N	Sandstone	83°21'11" E	Kurji
Mahanadi	9.15	SURGUJA	22°58'50" N	Not Available	83°2'50" E	Lakhanpur
Mahanadi	3	SURGUJA	22°53'58" N	Granite Gneiss	83°17'25" E	Nagadand
Mahanadi	7.5	SURGUJA	23°49'2" N	Limestone	83°23'38" E	Nawdih
Mahanadi	8	SURGUJA	22°58'0" N	Granite Gneiss	82°41'45" E	Premnagar D
Mahanadi	11	SURGUJA	23°1'49" N	Sandstone	83°14'28" E	Rajpari
Mahanadi	8.35	SURGUJA	23°9'53" N	Not Available	83°14'47" E	Rajpurikhurd
Mahanadi	10.5	SURGUJA	23°18'42" N	Granite Gneiss	83°33'37" E	Sargaon
Mahanadi		SURGUJA	22°46'45" N	Not Available	83°29'28" E	Sontarai
Mahanadi		SURGUJA	23°35'55" N	Sandstone With Shale/C	83°9'1" E	Veria
Mahanadi		RAJNANDGAON	21°11'30" N	Granite/Granodiorite	80°46'52" E	Accholi EW
Mahanadi		RAJNANDGAON	21°8'35" N	Limestone/Dolomite	80°53'42" E	Aliwara EW
Mahanadi		RAJNANDGAON	20°46'30" N	Rhyolite	80°44'30" E	Ambagarh chowki
Mahanadi	107.02	RAJNANDGAON	20°46'30" N	Rhyolite	80°44'30" E	Ambagarh chowki1 PZ
Mahanadi	167.77	RAJNANDGAON	20°40'52" N	Rhyolite	80°42'50" E	Arajkund EW
Mahanadi	12	RAJNANDGAON	21°1'0" N	Basic Rocks	80°44'30" E	Ashra EW
Mahanadi	8.3	RAJNANDGAON	20°45'51" N	Rhyolite	80°48'40" E	Atargaon EW
Mahanadi	61.42	RAJNANDGAON	21°36'15" N	Limestone/Dolomite	81°3'30" E	Atariya EW
Mahanadi	50.75	RAJNANDGAON	20°50'15" N	Acidic Rocks	80°44'45" E	Bandha Bazar EW
Mahanadi	60	RAJNANDGAON	20°46'30" N	Granite/Granodiorite	80°47'0" E	Bhansula EW
Mahanadi	44.95	RAJNANDGAON	21°11'56" N	Not Available	80°43'27" E	Bharritola
Mahanadi	7.9	RAJNANDGAON	20°44'50" N	Basic Rocks	80°44'49" E	Bhiri Kala I EW
Mahanadi	9.65	RAJNANDGAON	20°44'50" N	Basic Rocks	80°44'49" E	Bhiri Kala II EW
Mahanadi	166	RAJNANDGAON	20°44'50" N	Basic Rocks	80°44'49" E	Bhiri Kala III EW
Mahanadi	18	RAJNANDGAON	20°45'8" N	Basic Rocks	80°44'8" E	Bhiri Khurd -I EW
Mahanadi	162	RAJNANDGAON	20°45'8" N	Basic Rocks	80°44'8" E	Bhiri Khurd -II EW
Mahanadi	10.05	RAJNANDGAON	20°45'8" N	Basic Rocks	80°44'8" E	Bhiri Khurd -III EW
Mahanadi	13	RAJNANDGAON	20°58'0" N	Granite/Granodiorite	80°40'0" E	Bholapur EW
Mahanadi		RAJNANDGAON	21°33'25" N	Not Available	81°0'48" E	Bhorampur
Mahanadi	61.7	RAJNANDGAON	21°1'0" N	Granite/Granodiorite	80°52'0" E	Bijabhata EW
Mahanadi	152.9	RAJNANDGAON	21°1'0" N	Granite/Granodiorite	80°52'0" E	Bijabhata OW
Mahanadi	152.7	RAJNANDGAON	21°36'58" N	Limestone	81°9'51" E	Birampurkala
Mahanadi	150	RAJNANDGAON	20°33'50" N	Shale With Limestone/S	80°58'50" E	Bitejhar
Mahanadi	150	RAJNANDGAON	21°1'54" N	Not Available	81°5'39" E	Bodal
Mahanadi	152.7	RAJNANDGAON	21°33'52" N	Limestone Cavernous	81°6'53" E	Bundeli EW
Mahanadi	40	RAJNANDGAON	21°33'52" N	Limestone Cavernous	81°6'53" E	Bundeli EW-2
Mahanadi	70	RAJNANDGAON	21°33'52" N	Limestone Cavernous	81°6'53" E	Bundeli OW-1
Mahanadi	137	RAJNANDGAON	21°31'30" N	Granite/Granodiorite	80°59'30" E	Chhuikhadan EW
Mahanadi	11.5	RAJNANDGAON	21°0'30" N	Granite/Granodiorite	80°38'0" E	Chhuria
Mahanadi	10.5	RAJNANDGAON	21°0'30" N	Granite/Granodiorite	80°38'0" E	Chhuria EW
Mahanadi	15.47	RAJNANDGAON	21°5'0" N	Granite/Granodiorite	80°35'15" E	Chirchari
Mahanadi	51.62	RAJNANDGAON	21°5'30" N	Granite/Granodiorite	80°36'0" E	Chirchari EW

Mahanadi	132.8	RAJNANDGAON	21°31'30" N	Phyllite	80°59'45" E	Chuikhadan
Mahanadi	114.25	RAJNANDGAON	21°32'0" N		81°1'0" E	Chuikhdan_58
Mahanadi	101.2	RAJNANDGAON	21°17'0" N		80°50'0" E	Dhara_57
Mahanadi	123.6	RAJNANDGAON	20°58'15" N	Granite/Granodiorite	80°51'25" E	Dongargaon.1
Mahanadi		RAJNANDGAON	21°11'5" N	Granite/Granodiorite	80°45'35" E	Dongargarh
Mahanadi		RAJNANDGAON	21°11'5" N	Granite/Granodiorite	80°45'35" E	Dongargarh-d PZ
Mahanadi	27.53	RAJNANDGAON	21°11'5" N	Granite/Granodiorite	80°45'35" E	Dongargarh-sPZ
Mahanadi	12	RAJNANDGAON	21°7'0" N	Granite/Granodiorite	80°50'0" E	Dundera EW
Mahanadi	124.8	RAJNANDGAON	21°39'50" N	Limestone/Dolomite	81°6'32" E	Gandai EW
Mahanadi	48.5	RAJNANDGAON	21°40'0" N		81°7'0" E	Gandai_58
Mahanadi	55.1	RAJNANDGAON	21°39'50" N	Alluvium	81°6'32" E	Gandai5
Mahanadi	150.9	RAJNANDGAON	21°39'52" N	Limestone/Dolomite	81°5'43" E	Gandaipandaria
Mahanadi	151.2	RAJNANDGAON	20°44'45" N	Acidic Rocks	80°44'0" E	Gaulitola EW
Mahanadi	11.74	RAJNANDGAON	21°7'12" N	Not Available	80°31'38" E	Ghortalab
Mahanadi	33.52	RAJNANDGAON	21°7'4" N	Not Available	81°5'3" E	Ghumka
Mahanadi	150	RAJNANDGAON	20°51'0" N	Basic Rocks	80°43'0" E	Jadutola EW
Mahanadi	152.7	RAJNANDGAON	20°43'0" N	Acidic Rocks	80°44'0" E	Kaudikasa OW(EW 4)
Mahanadi	150	RAJNANDGAON	21°35'0" N		80°51'0" E	Khudmudi_56
Mahanadi	10.52	RAJNANDGAON	20°57'0" N	Compact Sandstone	80°52'0" E	Khujji EW
Mahanadi	7.95	RAJNANDGAON	20°59'30" N	Granite/Granodiorite	80°44'45" E	Kokpur-I
Mahanadi	152.85	RAJNANDGAON	20°37'20" N	Rhyolite	80°56'45" E	Kumhli EW
Mahanadi	114.52	RAJNANDGAON	21°6'0" N	Granite/Granodiorite	80°41'10" E	Lal bhadurnagar
Mahanadi	190.5	RAJNANDGAON	21°5'30" N	Granite/Granodiorite	80°41'18" E	Lal Bhadurnagar EW
Mahanadi	129.72	RAJNANDGAON	20°37'20" N	Rhyolite	80°43'30" E	Majhiapar EW
Mahanadi	42.5	RAJNANDGAON	20°42'43" N	Basalt/Metavolcanics	80°43'28" E	Mandirpara - I EW
Mahanadi	137.32	RAJNANDGAON	20°42'43" N	Basalt/Metavolcanics	80°43'28" E	Mandirpara - III EW
Mahanadi	15	RAJNANDGAON	21°7'0" N	Granite/Granodiorite	80°47'30" E	Medha EW
Mahanadi	106.92	RAJNANDGAON	20°35'0" N	Granite/Granodiorite	80°45'15" E	Mohala
Mahanadi	152.7	RAJNANDGAON	20°35'0" N	Granite/Granodiorite	80°45'15" E	Mohala - I
Mahanadi	12.02	RAJNANDGAON	20°35'5" N	Rhyolite	80°44'55" E	Mohala EW
Mahanadi	122.6	RAJNANDGAON	21°42'25" N	Compact Sandstone	80°57'33" E	Mohgaon
Mahanadi	15.5	RAJNANDGAON	20°35'2" N	Schist/Talc	80°45'0" E	Mohla-d PZ
Mahanadi	13	RAJNANDGAON	20°35'2" N	Schist/Talc	80°45'0" E	Mohla-s PZ
Mahanadi	12.02	RAJNANDGAON	21°8'48" N	Granite Gneiss	80°48'28" E	Mutpar
Mahanadi	150	RAJNANDGAON	21°37'17" N	Limestone	81°4'20" E	Narmada
Mahanadi	150	RAJNANDGAON	21°39'45" N	Schist/Talc	80°59'0" E	Palimata
Mahanadi	11.4	RAJNANDGAON	21°5'50" N	Not Available	81°1'49" E	Pathratola
Mahanadi	51.59	RAJNANDGAON	21°3'0" N	Granite/Granodiorite	80°38'0" E	Pinkapar EW
Mahanadi	30.44	RAJNANDGAON	21°7'32" N	Granite/Granodiorite	80°42'41" E	Ramatola
Mahanadi	131.15	RAJNANDGAON	21°4'54" N	Not Available	80°38'20" E	Ranitalab
Mahanadi	300.52	RAJNANDGAON	21°4'58" N	Not Available	80°38'18" E	Ranitalab1
Mahanadi		RAJNANDGAON	21°1'40" N	Limestone Cavernous	80°54'40" E	Salik Jaitya EW
Mahanadi	12.05	RAJNANDGAON	21°16'55" N	Shale	81°7'59" E	Saloni
Mahanadi	8	RAJNANDGAON	21°12'12" N	Shale	80°54'15" E	Salteakri
Mahanadi	149	RAJNANDGAON	20°33'48" N	Not Available	80°58'50" E	Serpar
Mahanadi	13.5	RAJNANDGAON	20°39'31" N	Rhyolite	80°50'21" E	Somatola EW
Mahanadi	141.67	RAJNANDGAON	21°7'26" N	Shale	81°8'48" E	Somni
Mahanadi	10	RAJNANDGAON	21°0'30" N	Limestone/Dolomite	80°57'20" E	Sonesar EW
Mahanadi		RAJNANDGAON	20°47'0" N	Granite/Granodiorite	80°42'30" E	Sonsaytola EW
Mahanadi	243	RAJNANDGAON	21°41'0" N		81°0'0" E	Surhi_57
Mahanadi	12.52	RAJNANDGAON	21°8'45" N	Shale	81°10'45" E	Tadesara
Mahanadi	12.25	RAJNANDGAON	21°14'30" N	Limestone/Dolomite	81°1'45" E	Thelkadih - 1
Mahanadi	9	RAJNANDGAON	21°14'30" N	Limestone/Dolomite	81°1'45" E	Thelkadih EW
Mahanadi	13.88	RAJNANDGAON	21°30'39" N	Granite/Granodiorite	81°5'35" E	Udaipur

Mahanadi	300.55	RAJNANDGAON	21°4'56" N	Shale With Limestone/S	80°44'17" E	Uraidabritola
Mahanadi	10.6	KORBA	22°14'24" N	Sandstone	83°1'13" E	Charmar
Mahanadi	9.4	KORBA	22°12'21" N	Sandstone	83°0'1" E	Jogipali
Mahanadi	10.4	KORBA	22°14'0" N	Granite Gneiss	82°45'48" E	Tikeja
Mahanadi	15.3	KORIYA	23°24'16" N	Sandstone	82°14'17" E	Biharpur
Mahanadi	8.9	KORIYA	23°27'29" N	Sandstone	82°3'4" E	Dondki
Mahanadi	7.65	KORIYA	23°16'54" N	Not Available	82°19'6" E	Nagpur
Mahanadi	9	MAHASAMUND	21°2'0" N	Granite Gneiss	82°24'30" E	Bagbahara S
Mahanadi	50	MAHASAMUND	21°9'48" N	Shell Limestone/Limesto	82°1'37" E	Belsunda
Mahanadi	32.8	MAHASAMUND	21°4'1" N	Not Available	82°17'42" E	Bhimkhoj
Mahanadi	64.4	MAHASAMUND	21°12'54" N	Granite Gneiss	82°22'58" E	Jhalap S
Mahanadi	10.65	MAHASAMUND	21°4'37" N	Not Available	82°8'38" E	Jhalkhamhariya
Mahanadi	14.85	MAHASAMUND	21°13'24" N	Granite Gneiss	82°15'16" E	Jogideepa D
Mahanadi	8	MAHASAMUND	21°13'33" N	Granite Gneiss	82°15'1" E	Jogidipa
Mahanadi	9	MAHASAMUND	21°23'15" N	Sandstone	83°4'50" E	Marban
Mahanadi	8.4	MAHASAMUND	21°5'56" N	Not Available	82°14'10" E	Nawagaon
Mahanadi	98	RAIGARH	22°10'25" N	Not Available	83°21'14" E	Gharghoda.
Mahanadi	8	RAIGARH	22°12'19" N	Not Available	83°21'53" E	Kagsara
Mahanadi	69	RAIGARH	22°11'43" N	Not Available	83°19'57" E	Kanchanpur
Mahanadi		RAIGARH	22°13'53" N	Not Available	83°23'51" E	Kotrimal
Mahanadi	10	RAIGARH	22°23'8" N	Granite/Granodiorite	83°36'45" E	Pakargaon
Mahanadi	8	RAIGARH	22°15'46" N	Not Available	83°16'41" E	Porda Pz 1
Mahanadi	7.8	RAIGARH	22°24'55" N	Granite/Granodiorite	83°31'14" E	Salkhiya
Mahanadi	5.8	RAIGARH	22°13'28" N	Not Available	83°20'58" E	Teram lii
Mahanadi	8.55	MAHASAMUND	21°23'32" N	Sandstone	83°5'24" E	Badesara
Mahanadi	10.2	MAHASAMUND	21°17'26" N	Granite Gneiss	82°52'53" E	Barbaspur
Mahanadi	50	MAHASAMUND	21°17'2" N	Granite Gneiss	82°39'44" E	Sakra S
Mahanadi		KORIYA	23°10'30" N	Not Available	82°26'59" E	Banjaridand
Mahanadi	100	KORIYA	23°24'25" N	Sandstone With Shale/C	82°31'22" E	Ghugra
Mahanadi	11.8	KORIYA	23°18'7" N	Sandstone	82°43'41" E	Girjapur
Mahanadi	6.5	KORIYA	23°18'7" N	Sandstone	82°37'16" E	Jamgahana
Mahanadi	3	KORIYA	23°6'30" N	Sandstone	82°22'45" E	Khadgaon S
Mahanadi	12.4	KORIYA	23°2'19" N	Shale With Limestone/S	82°29'58" E	Pouri
Mahanadi	204.2	RAIGARH	22°4'48" N	Not Available	83°24'34" E	Amaghat
Mahanadi	8.5	RAIGARH	22°4'53" N	Not Available	83°24'42" E	Amaghat
Mahanadi	9.3	RAIGARH	21°48'30" N	Not Available	83°23'59" E	Aurda
Mahanadi	89	RAIGARH	22°6'48" N	Not Available	83°19'53" E	Aushidih
Mahanadi	100	RAIGARH	21°33'49" N	Shale With Limestone/S	83°16'10" E	Baramkela S
Mahanadi		RAIGARH	22°17'15" N	Not Available	83°20'32" E	Baroud
Mahanadi	8	RAIGARH	21°58'22" N	Compact Sandstone	83°15'39" E	Bhupdeopur S
Mahanadi	98	RAIGARH	21°39'0" N	Shale With Limestone/S	83°12'0" E	Chaple S
Mahanadi	78	RAIGARH	22°7'50" N	Shale	83°24'24" E	Deogarh EW
Mahanadi	9	RAIGARH	22°5'35" N	Not Available	83°32'31" E	Dhouranbhata
Mahanadi	9.46	RAIGARH	22°17'41" N	Granite Gneiss	83°16'43" E	Dumarpali
Mahanadi		RAIGARH	22°17'25" N	Not Available	83°16'57" E	Dumarpali.
Mahanadi	50	RAIGARH	22°1'3" N	Sandstone	83°6'23" E	Farkanara
Mahanadi	37	RAIGARH	21°57'42" N	Not Available	83°7'21" E	Gidha
Mahanadi	50	RAIGARH	21°52'5" N	Not Available	83°33'6" E	Jamgaon
Mahanadi	15.5	RAIGARH	22°20'53" N	Not Available	83°32'20" E	Jegarpur
Mahanadi	50	RAIGARH	21°48'38" N	Not Available	83°26'33" E	Jhalmala
Mahanadi	75.04	RAIGARH	22°9'0" N	Not Available	83°16'43" E	Katadih
Mahanadi	12	RAIGARH	21°59'20" N	Compact Sandstone	83°5'55" E	Kharasia D
Mahanadi	8	RAIGARH	21°59'20" N	Compact Sandstone	83°5'55" E	Kharasia S
Mahanadi	8	RAIGARH	21°49'43" N	Compact Sandstone	83°21'32" E	Kondatalai S

Mahanadi	50 RAIGARH	21°53'29" N	Not Available	83°27'35" E	Kotarliya
Mahanadi	9 RAIGARH	21°52'0" N	Limestone/Dolomite	83°18'45" E	Kotra
Mahanadi	RAIGARH	22°16'48" N	Not Available	83°21'59" E	kurmibhuna
Mahanadi	RAIGARH	21°29'31" N	Shale With Limestone/Sa	83°17'47" E	Lendra S
Mahanadi	RAIGARH	21°51'20" N	Not Available	83°29'57" E	Mahapali
Mahanadi	100 RAIGARH	21°51'1" N	Not Available	83°13'48" E	Navrangpur
Mahanadi	50 RAIGARH	22°8'19" N	Not Available	83°33'58" E	Padigaon
Mahanadi	RAIGARH	22°3'46" N	Not Available	83°1'23" E	Palgada1
Mahanadi	50 RAIGARH	22°15'46" N	Not Available	83°16'41" E	Porda Pz 2
Mahanadi	8.9 RAIGARH	21°53'30" N	Compact Sandstone	83°23'50" E	Raigarh D
Mahanadi	RAIGARH	21°53'30" N	Compact Sandstone	83°23'50" E	Raiharg S
Mahanadi	11.25 RAIGARH	22°9'50" N	Not Available	83°26'49" E	Rhodopali
Mahanadi	8 RAIGARH	21°45'59" N	Not Available	83°15'6" E	Semra
Mahanadi	9 RAIGARH	22°5'31" N	Not Available	83°26'31" E	Tamnar
Mahanadi	98 RAIGARH	22°13'28" N	Not Available	83°20'58" E	Teram I
Mahanadi	10.5 RAIGARH	22°13'23" N	Not Available	83°20'39" E	Teram Dw
Mahanadi	RAIGARH	22°13'28" N	Not Available	83°20'58" E	Teram II
Mahanadi	10 RAIGARH	22°0'59" N	Not Available	83°4'36" E	Tiur
Mahanadi	7.9 KORIYA	23°27'19" N	Sandstone With Shale/Cr	82°29'17" E	Bikrampur
Mahanadi	KORIYA	23°22'46" N	Sandstone With Shale/Cr	82°18'14" E	Garundol
Mahanadi	11 KORIYA	23°24'37" N	Not Available	82°28'58" E	Khodri
Mahanadi	6.4 KORIYA	23°16'8" N	Not Available	82°15'3" E	Piparia
Mahanadi	KORIYA	23°29'14" N	Sandstone	81°58'8" E	Rojhi
Mahanadi	8 KORBA	22°18'15" N	Sandstone With Shale/Cr	82°37'22" E	Bhilai Baazar EW
Mahanadi	10 KORBA	22°26'0" N	Compact Sandstone	82°26'0" E	Chaitama
Mahanadi	55.25 KORBA	22°27'0" N	Sandstone	82°33'0" E	Dhelwadhi-D
Mahanadi	122.32 KORBA	22°27'0" N	Compact Sandstone	82°33'0" E	Dhelwadhi-S
Mahanadi	9.5 KORBA	22°39'28" N	Not Available	82°31'49" E	Gursia
Mahanadi	15 KORBA	22°26'31" N	Sandstone	82°34'21" E	Jamchuwa
Mahanadi	267.02 KORBA	22°51'2" N	Not Available	82°26'25" E	Korbi
Mahanadi	KORBA	22°18'31" N	Not Available	82°35'38" E	Mudinar
Mahanadi	7.5 KORBA	22°20'5" N	Sandstone	82°32'29" E	Naraibodh
Mahanadi	342.53 KORBA	22°21'10" N	Not Available	82°32'37" E	Sirki Pz - II
Mahanadi	10.1 KORBA	22°25'15" N	Sandstone	82°35'15" E	Suklakher EW
Mahanadi	50 KORIYA	23°15'15" N		82°33'45" E	Baikunth_52
Mahanadi	KORIYA	23°10'15" N	Sandstone	82°26'11" E	Banjaridad S
Mahanadi	KORIYA	23°18'30" N		82°34'0" E	Gejtank_52
Mahanadi	KORIYA	23°15'30" N		82°31'15" E	Jhumka_52
Mahanadi	KORIYA	23°13'0" N	Compact Sandstone	82°12'21" E	Manendragarh-d
Mahanadi	30.85 KORIYA	23°13'0" N	Compact Sandstone	82°12'21" E	Manendragarh-S
Mahanadi	52.3 KORIYA	23°12'45" N		82°12'20" E	Mnndrgarh_52
Mahanadi	8.89 KORIYA	23°15'0" N	Compact Sandstone	82°21'30" E	Sarbhoka
Mahanadi	8.2 KORBA	22°17'23" N	Sandstone	82°55'18" E	Kotmer Upper
Mahanadi	100.54 MAHASAMUND	21°28'50" N	Basalt/Metavolcanics	82°44'4" E	Bamnidhi EW
Mahanadi	127.96 MAHASAMUND	21°16'30" N	Not Available	82°43'48" E	Deori
Mahanadi	7.9 MAHASAMUND	21°6'30" N	Granite/Granodiorite	82°32'12" E	Khedigaon EW
Mahanadi	12.85 MAHASAMUND	21°15'0" N	Granite/Granodiorite	82°31'25" E	Lakhagarh EW
Mahanadi	27.43 MAHASAMUND	21°24'0" N	Basalt/Metavolcanics	82°45'10" E	Patharala EW
Mahanadi	146.26 MAHASAMUND	21°15'40" N	Granite/Granodiorite	82°31'5" E	Pithora - 1
Mahanadi	146.26 MAHASAMUND	21°15'5" N	Granite/Granodiorite	82°31'0" E	Pithora PZ
Mahanadi	13.2 KORIYA	23°6'30" N	Compact Sandstone	82°22'45" E	Khadgaon
Mahanadi	11.6 KORIYA	23°6'30" N	Compact Sandstone	82°22'45" E	Khadgaon - 1
Mahanadi	60 MAHASAMUND	21°13'0" N		82°29'30" E	Bartunga_54
Mahanadi	36.5 MAHASAMUND	21°5'27" N	Not Available	82°13'32" E	Hadabandh new

Mahanadi	100 MAHASAMUND	21°5'30" N	Compact Sandstone	82°13'30" E	Hadabundh
Mahanadi	9.1 MAHASAMUND	21°6'27" N	Compact Sandstone	82°5'44" E	Mahasamund Contractual D
Mahanadi	10.9 MAHASAMUND	21°6'27" N	Compact Sandstone	82°5'44" E	Mahasamund Contractual S
Mahanadi	182.92 MAHASAMUND	21°5'50" N	Limestone/Dolomite	82°5'50" E	Mahasamund1
Mahanadi	50 MAHASAMUND	21°4'30" N	Compact Sandstone	82°5'45" E	Mahasamund-D PZ
Mahanadi	100 MAHASAMUND	21°4'30" N	Shale	82°5'45" E	Mahasamund-s PZ
Mahanadi	MAHASAMUND	21°20'35" N	Limestone/Dolomite	82°11'0" E	Sirpur1 PZ
Mahanadi	233 RAIGARH	22°13'15" N	Compact Sandstone	83°24'0" E	Bayasi EW
Mahanadi	201.5 RAIGARH	22°7'0" N	Compact Sandstone	83°19'0" E	Beihamoora EW
Mahanadi	144.64 RAIGARH	22°7'58" N	Not Available	83°15'3" E	Bhangari
Mahanadi	90 RAIGARH	22°28'43" N	Granite Gneiss	83°28'33" E	Charenga EW
Mahanadi	140 RAIGARH	22°28'43" N	Granite Gneiss	83°28'33" E	Charenga OW
Mahanadi	291.6 RAIGARH	22°16'20" N	Compact Sandstone	83°25'0" E	Chimtapani
Mahanadi	187 RAIGARH	22°4'51" N	Sandstone With Shale/C	83°7'19" E	Dharan Pz I
Mahanadi	13.2 RAIGARH	22°4'51" N	Sandstone With Shale/C	83°7'19" E	Dharan Pz li
Mahanadi	8.2 RAIGARH	22°21'20" N	Granite/Granodiorite	83°39'35" E	Dhorabija EW
Mahanadi	304.74 RAIGARH	22°21'10" N	Compact Sandstone	83°27'10" E	Futhamura EW
Mahanadi	110.68 RAIGARH	22°10'15" N	Compact Sandstone	83°21'15" E	Gharghoda
Mahanadi	32.38 RAIGARH	22°10'15" N	Compact Sandstone	83°21'15" E	Gharghoda EW
Mahanadi	14.15 RAIGARH	22°10'15" N	Sandstone With Shale/C	83°21'15" E	Gharghoda-Pz
Mahanadi	124 RAIGARH	22°20'50" N	Schist/Talc	83°32'30" E	Jhagarpur EW
Mahanadi	92.85 RAIGARH	22°13'0" N	Compact Sandstone	83°25'0" E	Kotrimar EW
Mahanadi	117 RAIGARH	22°13'0" N	Compact Sandstone	83°25'0" E	Kotrimar OW
Mahanadi	11.8 RAIGARH	22°16'20" N	Compact Sandstone	83°16'15" E	Kudumkela EW
Mahanadi	13.38 RAIGARH	22°16'20" N	Compact Sandstone	83°16'15" E	Kudumkela-D
Mahanadi	300 RAIGARH	22°16'20" N	Compact Sandstone	83°16'15" E	Kudumkela-S
Mahanadi	RAIGARH	22°23'30" N	Granite/Granodiorite	83°35'0" E	Lailunga
Mahanadi	300 RAIGARH	22°23'0" N	Granite/Granodiorite	83°35'0" E	Lailunga1
Mahanadi	300 RAIGARH	22°23'30" N	Granite/Granodiorite	83°35'0" E	Lailunga2
Mahanadi	300.76 RAIGARH	22°20'15" N	Compact Sandstone	83°28'15" E	Laripani
Mahanadi	11.5 RAIGARH	22°16'12" N	Gneiss/Amphibolite/Gra	83°16'20" E	Nawadih
Mahanadi	201.56 RAIGARH	22°4'51" N	Sandstone With Shale/C	83°7'19" E	Nawapara Pz
Mahanadi	205 RAIGARH	22°17'46" N	Gneiss/Amphibolite/Gra	83°25'48" E	Phuthamuda
Mahanadi	90 RAIGARH	22°15'45" N	Sandstone With Shale/C	83°16'43" E	Porda Pz
Mahanadi	101 RAIGARH	22°18'25" N	Gneiss/Amphibolite/Gra	83°18'8" E	Pusalda
Mahanadi	10.35 RAIGARH	22°26'30" N	Granite/Granodiorite	83°29'30" E	Rajpur (Raigarh) EW
Mahanadi	11.22 RAIGARH	22°26'7" N	Not Available	83°29'14" E	Rajpur.1
Mahanadi	8.6 RAIGARH	22°26'30" N	Gneiss/Amphibolite/Gra	83°29'30" E	Rajpur2
Mahanadi	46.62 RAIGARH	22°23'25" N	Not Available	83°36'36" E	Rudevkela
Mahanadi	8.6 RAIGARH	22°5'0" N	Compact Sandstone	83°20'30" E	Samaruma EW
Mahanadi	8.16 RAIGARH	22°5'0" N	Compact Sandstone	83°20'30" E	Samaruma OW
Mahanadi	92 RAIGARH	22°15'47" N	Gneiss/Amphibolite/Gra	83°18'51" E	Saraipali
Mahanadi	21 RAIGARH	22°8'30" N	Compact Sandstone	83°14'45" E	Tenda Nawapara EW
Mahanadi	24 RAIGARH	22°8'30" N	Compact Sandstone	83°14'45" E	Tenda Nawapara OW
Mahanadi	14.3 RAIGARH	22°13'33" N	Sandstone With Shale/C	83°20'53" E	Teram Pz I
Mahanadi	7.3 RAIGARH	22°13'33" N	Sandstone With Shale/C	83°20'53" E	Teram Pz li
Mahanadi	132.53 MAHASAMUND	21°5'5" N	Granite Gneiss	82°18'2" E	Awaradawri S
Mahanadi	146.24 MAHASAMUND	21°4'30" N	Granite/Granodiorite	82°25'0" E	B k bahera
Mahanadi	8.5 MAHASAMUND	21°2'0" N	Granite/Granodiorite	82°24'30" E	Bag bahera
Mahanadi	MAHASAMUND	21°3'0" N		82°25'54" E	Bagbahara_54
Mahanadi	42.94 MAHASAMUND	21°2'0" N	Granite Gneiss	82°24'30" E	Bagbahera D
Mahanadi	11.26 MAHASAMUND	21°23'0" N	Granite/Granodiorite	82°55'0" E	Bharathiyabhata EW
Mahanadi	171.1 MAHASAMUND	21°9'0" N	Granite/Granodiorite	82°26'0" E	Bihajhar EW
Mahanadi	100 MAHASAMUND	21°11'15" N	Compact Sandstone	82°3'0" E	Birkoni EW

Mahanadi	50 MAHASAMUND	21°11'15" N	Compact Sandstone	82°3'0" E	Birkoni OW
Mahanadi	182.82 MAHASAMUND	21°12'50" N	Granite/Granodiorite	82°21'15" E	Chindoli
Mahanadi	11.25 MAHASAMUND	21°24'30" N	Basalt/Metavolcanics	82°52'10" E	Chiprikona EW
Mahanadi	5.35 MAHASAMUND	21°12'57" N	Granite/Granodiorite	82°22'59" E	Jhalap
Mahanadi	50 MAHASAMUND	21°13'24" N	Granite Gneiss	82°15'16" E	Jogideepa S
Mahanadi	200.6 MAHASAMUND	21°3'33" N	Compact Sandstone	82°15'47" E	Keshwa S
Mahanadi	12.98 MAHASAMUND	21°5'0" N	Not Available	82°17'50" E	Khallari
Mahanadi	13.95 MAHASAMUND	21°6'0" N	Granite/Granodiorite	82°12'0" E	Khallari EW
Mahanadi	11.25 MAHASAMUND	20°58'0" N	Granite/Granodiorite	82°27'30" E	Koma khan
Mahanadi	5.97 MAHASAMUND	21°6'30" N	Compact Sandstone	82°5'45" E	Mahasamund.
Mahanadi	10.65 MAHASAMUND	21°6'30" N	Compact Sandstone	82°5'45" E	Mahasamund.1
Mahanadi	10.05 MAHASAMUND	20°54'15" N	Granite/Granodiorite	82°23'0" E	Palsipani
Mahanadi	MAHASAMUND	20°54'15" N	Granite/Granodiorite	82°23'0" E	Palsipani - 1
Mahanadi	MAHASAMUND	21°4'25" N	Granite/Granodiorite	82°20'45" E	Patherpali
Mahanadi	9.35 MAHASAMUND	21°17'30" N	Limestone/Dolomite	82°12'20" E	Phusera
Mahanadi	50 MAHASAMUND	21°15'30" N		82°31'0" E	Pithora1_54
Mahanadi	14.32 MAHASAMUND	21°25'0" N	Compact Sandstone	82°57'30" E	Sagrapali
Mahanadi	14.32 MAHASAMUND	21°19'0" N		83°1'0" E	Saripalli_54
Mahanadi	123 MAHASAMUND	21°20'35" N	Limestone/Dolomite	82°11'0" E	Sirpur
Mahanadi	125 MAHASAMUND	20°58'10" N	Granite/Granodiorite	82°29'45" E	Suarmar
Mahanadi	11.31 MAHASAMUND	20°58'0" N	Granite/Granodiorite	82°29'45" E	Suarmar1 PZ
Mahanadi	50 MAHASAMUND	21°6'30" N	Granite/Granodiorite	82°28'15" E	Tendukonda
Mahanadi	100 MAHASAMUND	20°54'0" N	Granite/Granodiorite	82°21'25" E	Tohalu
Mahanadi	8.52 MAHASAMUND	21°11'30" N	Compact Sandstone	82°7'15" E	Tumgaon
Mahanadi	12.1 MAHASAMUND	21°11'30" N	Granite Gneiss	82°7'15" E	Tumgaon D
Mahanadi	13.15 MAHASAMUND	21°11'30" N	Granite Gneiss	82°7'15" E	Tumgaon S
Mahanadi	105 RAIGARH	22°4'50" N	Sandstone With Shale/Cr	83°24'45" E	Amaghat - Pz
Mahanadi	68 RAIGARH	21°48'6" N	Shale	83°23'45" E	Aurda EW
Mahanadi	10 RAIGARH	21°48'20" N	Shale	83°21'30" E	Aurda OW1
Mahanadi	50 RAIGARH	21°48'20" N	Shale	83°21'30" E	Aurda OW2
Mahanadi	130 RAIGARH	21°58'45" N	Compact Sandstone	83°28'10" E	Bangursian EW
Mahanadi	115 RAIGARH	22°3'15" N	Compact Sandstone	83°2'11" E	Bargarh EW
Mahanadi	RAIGARH	21°48'0" N	Shale	83°25'45" E	Bhatanpalli EW
Mahanadi	6.8 RAIGARH	21°58'6" N		83°17'0" E	BLSPtank_49
Mahanadi	115 RAIGARH	22°2'35" N	Shale	83°5'40" E	Botalda EW
Mahanadi	113.5 RAIGARH	21°59'0" N	Limestone/Dolomite	83°12'0" E	Chaple
Mahanadi	50 RAIGARH	21°59'25" N	Shale	83°11'30" E	Chaple EW
Mahanadi	123 RAIGARH	22°7'24" N	Gneiss/Amphibolite/Gra	83°13'43" E	Charmar
Mahanadi	8 RAIGARH	21°43'14" N	Shale With Limestone/Sr	83°20'36" E	Chhichor Umaria EW
Mahanadi	82.5 RAIGARH	21°44'8" N	Shale With Limestone/Sr	83°21'6" E	Chhichor Umaria OW2
Mahanadi	72 RAIGARH	21°46'25" N	Shale With Limestone/Sr	83°19'10" E	Chiliki EW
Mahanadi	13.17 RAIGARH	21°57'0" N		83°24'23" E	Danod_49
Mahanadi	134 RAIGARH	22°2'30" N	Granite Gneiss	83°7'55" E	Dehjari EW
Mahanadi	101.2 RAIGARH	22°5'30" N	Sandstone With Shale/Cr	83°32'30" E	Dhouranbhata - Pz
Mahanadi	17.66 RAIGARH	22°5'50" N	Sandstone With Shale/Cr	83°32'30" E	Dhouranbhata EW
Mahanadi	62 RAIGARH	22°8'0" N	Gneiss/Amphibolite/Gra	83°12'57" E	Dongabhona
Mahanadi	12.36 RAIGARH	22°8'0" N	Compact Sandstone	83°29'20" E	Gare OW
Mahanadi	115 RAIGARH	22°8'0" N	Compact Sandstone	83°29'20" E	Gare EW
Mahanadi	7.1 RAIGARH	22°8'11" N	Sandstone With Shale/Cr	83°29'25" E	Gare Nhs
Mahanadi	8.55 RAIGARH	21°55'0" N	Shale	83°19'10" E	Gejamunda EW
Mahanadi	301.3 RAIGARH	21°59'45" N	Compact Sandstone	83°23'45" E	Gerwani EW
Mahanadi	81.88 RAIGARH	21°59'45" N	Compact Sandstone	83°23'45" E	Gerwani OW
Mahanadi	45.67 RAIGARH	22°11'0" N		83°22'0" E	Gharghoda_49
Mahanadi	RAIGARH	22°4'43" N	Sandstone With Shale/Cr	83°25'43" E	Gorhi EW

Mahanadi	RAIGARH	21°58'15" N	Shale	83°2'40" E	Halahuli EW
Mahanadi	RAIGARH	22°2'15" N	Compact Sandstone	83°31'30" E	Hamirpur EW
Mahanadi	RAIGARH	22°10'50" N	Sandstone With Shale/C	83°3'50" E	Kaphermar EW
Mahanadi	10.36 RAIGARH	21°57'40" N	Compact Sandstone	83°18'15" E	Kerajhar
Mahanadi	41.26 RAIGARH	21°57'40" N	Limestone Cavernous	83°18'15" E	Kerajhar EW
Mahanadi	RAIGARH	21°59'20" N	Compact Sandstone	83°5'55" E	Kharsia
Mahanadi	30.21 RAIGARH	21°59'20" N	Shale	83°5'55" E	Kharsiya PZ
Mahanadi	114 RAIGARH	21°49'23" N	Shale	83°21'15" E	Kondatarai EW
Mahanadi	201 RAIGARH	21°57'25" N	Compact Sandstone	83°10'5" E	Kunkuni EW
Mahanadi	109.32 RAIGARH	21°52'30" N	Shale With Limestone/S	83°19'0" E	Kusmura EW
Mahanadi	82.8 RAIGARH	21°57'54" N	Sandstone	83°23'5" E	Lakha
Mahanadi	101.3 RAIGARH	21°57'57" N	Not Available	83°23'18" E	Lakha.1
Mahanadi	17.63 RAIGARH	21°51'30" N	Granite Gneiss	83°29'10" E	Loing EW
Mahanadi	101.2 RAIGARH	21°58'6" N		83°10'8" E	Mand_49
Mahanadi	77 RAIGARH	22°11'18" N	Sandstone With Shale/C	83°31'20" E	Milupara EW
Mahanadi	191 RAIGARH	22°11'18" N	Sandstone With Shale/C	83°31'20" E	Milupara OW
Mahanadi	151 RAIGARH	22°11'21" N	Gneiss/Amphibolite/Gra	83°31'34" E	Milupara-Sidarpara
Mahanadi	185 RAIGARH	21°53'0" N	Shale With Limestone/S	83°14'55" E	Nandeli EW
Mahanadi	20 RAIGARH	22°6'45" N	Sandstone With Shale/C	83°5'30" E	Nandgaon EW
Mahanadi	118.75 RAIGARH	21°41'50" N	Shale	83°23'0" E	Padigaon EW
Mahanadi	7.5 RAIGARH	22°3'45" N	Shaly Limestone	83°1'30" E	Palgada
Mahanadi	9.8 RAIGARH	21°56'35" N	Shale	83°10'50" E	Phulbandhia EW
Mahanadi	200.43 RAIGARH	21°56'35" N	Shale	83°10'50" E	Phulbandhia EW1
Mahanadi	201.06 RAIGARH	21°45'5" N	Shale With Limestone/S	83°17'30" E	Pusaur
Mahanadi	13.8 RAIGARH	21°53'30" N	Compact Sandstone	83°23'50" E	Raigarh
Mahanadi	335.55 RAIGARH	21°53'0" N		83°24'0" E	Raigarh_49
Mahanadi	10 RAIGARH	21°56'35" N	Granite/Granodiorite	83°10'50" E	Ranisagar EW
Mahanadi	345 RAIGARH	21°56'35" N	Granite/Granodiorite	83°10'50" E	Ranisagar OW
Mahanadi	201.67 RAIGARH	21°51'1" N	Not Available	83°13'48" E	Rengalpalli
Mahanadi	300.81 RAIGARH	21°46'10" N	Shale With Limestone/S	83°28'15" E	Rengalpalli EW
Mahanadi	8 RAIGARH	22°5'3" N	Sandstone	83°20'45" E	Samaruma
Mahanadi	202.3 RAIGARH	21°47'45" N	Shale With Limestone/S	83°22'50" E	Tadola
Mahanadi	RAIGARH	21°47'30" N	Shale	83°22'40" E	Tadola EW
Mahanadi	6.67 RAIGARH	22°5'30" N	Compact Sandstone	83°26'0" E	Tamnar EW
Mahanadi	303 RAIGARH	22°5'30" N	Compact Sandstone	83°26'0" E	Tamnar OW1
Mahanadi	302 RAIGARH	22°5'30" N	Compact Sandstone	83°26'0" E	Tamnar OW2
Mahanadi	400 RAIGARH	22°8'0" N		83°26'0" E	Tamnar_49
Mahanadi	RAIGARH	22°3'30" N	Compact Sandstone	83°22'45" E	Taraimal
Mahanadi	30 RAIGARH	22°3'30" N	Compact Sandstone	83°22'45" E	Taraimal EW
Mahanadi	263.4 RAIGARH	22°3'30" N	Compact Sandstone	83°22'45" E	Taraimal-1
Mahanadi	301.1 RAIGARH	22°3'30" N	Compact Sandstone	83°22'45" E	Taraimal1.1
Mahanadi	120.29 RAIGARH	22°3'30" N	Compact Sandstone	83°22'45" E	Taraimal-2
Mahanadi	8.5 RAIGARH	21°47'0" N		83°21'15" E	Teepkhol_49
Mahanadi	300.15 RAIGARH	21°47'30" N	Compact Sandstone	83°19'45" E	Tetla
Mahanadi	RAIGARH	21°55'5" N	Compact Sandstone	83°28'50" E	Tilga EW
Mahanadi	RAIGARH	22°0'52" N	Shale	83°2'2" E	Tiur EW
Mahanadi	MAHASAMUND	21°17'30" N	Granite Gneiss	82°38'30" E	Baldidih
Mahanadi	127.96 MAHASAMUND	21°21'30" N	Shale	83°1'10" E	Banigirola EW
Mahanadi	292.7 MAHASAMUND	21°6'55" N	Granite/Granodiorite	82°33'15" E	Bhurkoni EW
Mahanadi	30.58 MAHASAMUND	21°23'45" N	Shale With Limestone/S	83°7'0" E	Birkol EW
Mahanadi	150.81 MAHASAMUND	21°17'25" N	Limestone Cavernous	83°4'30" E	Bothaldih EW
Mahanadi	150.81 MAHASAMUND	21°17'30" N	Limestone/Dolomite	83°3'30" E	Chattigirola EW
Mahanadi	9.59 MAHASAMUND	21°17'30" N	Shale With Limestone/S	83°8'40" E	Chhuhupali EW
Mahanadi	97 MAHASAMUND	21°16'0" N	Gneiss/Amphibolite/Gra	82°44'0" E	Deori(bhagat)

Mahanadi	12.48	MAHASAMUND	21°16'40" N	Gneiss/Amphibolite/Gra	82°43'50" E	Deori(bhagat)-1
Mahanadi	275.8	MAHASAMUND	21°15'30" N	Granite/Granodiorite	82°33'25" E	Dongaripali
Mahanadi	127.96	MAHASAMUND	21°7'0" N		82°7'0" E	Mhsmnd_01_54
Mahanadi	11.4	MAHASAMUND	21°22'10" N	Compact Sandstone	83°4'30" E	Patsenduri
Mahanadi	127.96	MAHASAMUND	21°15'5" N	Granite/Granodiorite	82°31'0" E	Pithora
Mahanadi	10.69	MAHASAMUND	21°19'0" N	Compact Sandstone	83°0'30" E	Saraipali
Mahanadi	10.5	MAHASAMUND	21°19'13" N	Shale	83°2'35" E	Saraipalli-D PZ
Mahanadi	9.75	MAHASAMUND	21°19'13" N	Shale	83°2'35" E	Saraipalli-S PZ
Mahanadi	100	KORIYA	23°15'30" N	Compact Sandstone	82°33'0" E	Baikunthpur
Mahanadi	24.67	KORIYA	23°16'0" N	Compact Sandstone	82°33'0" E	Baikunthpur-d
Mahanadi	10.4	KORIYA	23°16'0" N	Compact Sandstone	82°33'0" E	Baikunthpur-s
Mahanadi	15.74	KORIYA	23°10'15" N	Not Available	82°26'1" E	Banjandond
Mahanadi	61.57	KORIYA	23°22'15" N	Compact Sandstone	82°31'35" E	Khatgori
Mahanadi	7	KORIYA	23°13'30" N	Shale	82°29'30" E	Mansukha
Mahanadi	39.9	KORIYA	23°18'32" N	Not Available	82°26'37" E	Nagar Tilwander New
Mahanadi	12	KORIYA	23°13'45" N	Compact Sandstone	82°21'45" E	Podi(chirmiri)
Mahanadi	251.17	KORBA	22°24'0" N		82°42'0" E	Drrikorba_46
Mahanadi	13.8	KORBA	22°18'10" N	Compact Sandstone	82°57'45" E	Kartala
Mahanadi	250	KORBA	22°17'30" N	Compact Sandstone	82°57'30" E	Kartala EW
Mahanadi	15.5	KORBA	22°30'15" N		82°33'0" E	Katghora_47
Mahanadi	9.92	KORBA	22°19'12" N	Not Available	83°4'39" E	Kudmura
Mahanadi		KORBA	22°19'10" N	Sandstone With Shale/Ci	83°4'30" E	Kudmura EW
Mahanadi		KORBA	22°55'42" N	Shale With Limestone/Sz	82°26'45" E	Kurtha
Mahanadi	8.9	KORBA	22°10'10" N	Granite/Granodiorite	82°43'0" E	Madhuwarani
Mahanadi	7.28	KORIYA	23°17'28" N	Compact Sandstone	82°15'54" E	Belbehra
Mahanadi	10.3	KORIYA	23°13'0" N	Compact Sandstone	82°12'21" E	Manendragarh
Mahanadi	10.36	KORIYA	23°20'55" N	Compact Sandstone	82°15'20" E	Pendri
Mahanadi	8.36	KORIYA	23°28'55" N	Compact Sandstone	82°31'8" E	Sonhat
Mahanadi	10.48	KORIYA	23°18'5" N	Compact Sandstone	82°24'18" E	Ujiyarpur
Mahanadi	7	KORIYA	23°18'5" N	Compact Sandstone	82°24'18" E	Ujiyarpur1
Mahanadi	13.88	KORBA	22°11'59" N	Not Available	82°46'23" E	Barpali
Mahanadi	14	KORBA	22°19'10" N	Sandstone	82°59'5" E	Champa Mode
Mahanadi	12.98	KORBA	22°25'32" N	Granite Gneiss	82°37'7" E	Churi
Mahanadi	4.8	KORBA	22°26'5" N	Granite/Granodiorite	82°39'0" E	Gopalpur
Mahanadi	11.77	KORBA	22°41'7" N	Granite/Granodiorite	82°22'36" E	Jatgan
Mahanadi	11.4	KORBA	22°40'0" N	Compact Sandstone	82°22'53" E	Jatgan PZ
Mahanadi	8.73	KORBA	22°25'0" N	Compact Sandstone	82°33'0" E	Jawali EW
Mahanadi	31.03	KORBA	22°20'0" N	Sandstone	82°32'29" E	Jhingatpur
Mahanadi	15.55	KORBA	22°35'50" N	Granite Gneiss	82°23'46" E	Khodri
Mahanadi	98.87	KORBA	22°45'54" N	Granite Gneiss	82°15'49" E	Lenga
Mahanadi	7.3	KORBA	22°43'0" N	Compact Sandstone	82°31'45" E	Madai
Mahanadi	9.98	KORBA	22°45'15" N	Compact Sandstone	82°38'50" E	Morga
Mahanadi	318.97	KORBA	22°45'15" N	Sandstone	82°38'50" E	Morga EW
Mahanadi	11.1	KORBA	22°40'0" N	Compact Sandstone	82°22'50" E	Nagai
Mahanadi	350.15	KORBA	22°46'10" N	Sandstone	82°29'25" E	Nawapara
Mahanadi	9	KORBA	22°16'35" N	Sandstone	82°52'0" E	Nonbirra
Mahanadi	11.5	KORBA	22°16'5" N	Sandstone With Shale/Ci	82°51'55" E	Nonbirra EW
Mahanadi	221	KORBA	22°16'15" N	Granite Gneiss	82°51'56" E	Nonbirra New
Mahanadi	7.7	KORBA	22°46'31" N	Sandstone	82°30'31" E	Parla EW
Mahanadi	13.2	KORBA	22°50'30" N	Granite/Granodiorite	82°12'0" E	Pasan
Mahanadi	8.2	KORBA	22°36'15" N	Granite/Granodiorite	82°33'15" E	Pondi
Mahanadi	8.61	KORBA	22°11'4" N	Shale With Sandstone Pz	82°59'50" E	Rampur EW
Mahanadi	7.5	KORBA	22°49'17" N	Granite Gneiss	82°23'13" E	Rewa
Mahanadi	10.3	KORBA	22°16'35" N	Sandstone	82°53'9" E	Sakdukala

Mahanadi	85 KORBA	22°16'15" N	Compact Sandstone	82°50'5" E	Salihabhata
Mahanadi	151.3 KORBA	22°21'10" N	Sandstone With Shale/C	82°32'29" E	Sirki Pz li
Mahanadi	12.8 KORBA	22°34'30" N	Granite/Granodiorite	82°25'15" E	Tuman
Mahanadi	12.71 KORBA	22°11'48" N	Granite Gneiss	82°47'7" E	Tuman
Mahanadi	116 RAIGARH	22°22'30" N	Compact Sandstone	83°13'30" E	Amapali EW
Mahanadi	RAIGARH	22°22'30" N	Compact Sandstone	83°13'30" E	Amapali OW
Mahanadi	201 RAIGARH	22°23'49" N	Not Available	83°12'39" E	Amgaon
Mahanadi	175 RAIGARH	21°41'9" N	Shale	83°7'15" E	Bhervan EW
Mahanadi	50 RAIGARH	21°37'30" N	Limestone/Dolomite	83°8'30" E	Hirri1
Mahanadi	9.72 RAIGARH	22°22'45" N	Laterite	83°7'0" E	Khadgaon1
Mahanadi	8.5 RAIGARH	21°44'40" N	Shale	83°21'30" E	Kondatarai OW
Mahanadi	201 RAIGARH	21°37'0" N	Shale With Limestone/S	83°1'29" E	Kudhri EW
Mahanadi	200 RAIGARH	21°38'46" N	Shale With Limestone/S	83°2'25" E	Lendhra EW
Mahanadi	7.97 RAIGARH	22°21'50" N	Gneiss/Amphibolite/Gra	83°12'25" E	Nawagaon
Mahanadi	171 RAIGARH	22°18'58" N	Gneiss/Amphibolite/Gra	83°15'18" E	Pandripani
Mahanadi	102 RAIGARH	21°39'50" N	Granite/Granodiorite	83°9'28" E	Pindri
Mahanadi	12.62 RAIGARH	22°23'13" N	Gneiss/Amphibolite/Gra	83°15'13" E	Potiya
Mahanadi	34.21 RAIGARH	21°32'48" N		83°5'30" E	Putka_49
Mahanadi	12.3 RAIGARH	21°37'48" N	Granite Gneiss	83°5'17" E	Rera
Mahanadi	302 RAIGARH	21°37'24" N	Limestone/Dolomite	83°5'24" E	Rera EW
Mahanadi	6.5 RAIGARH	21°35'15" N	Compact Sandstone	83°4'45" E	Sarangarh
Mahanadi	278.83 RAIGARH	21°35'15" N	Limestone Cavernous	83°4'45" E	Sarangarh S
Mahanadi	270 RAIGARH	21°35'15" N	Compact Sandstone	83°4'45" E	Sarangarh1
Mahanadi	13.5 RAIGARH	22°21'15" N	Compact Sandstone	83°7'15" E	Sithra EW
Mahanadi	9.5 RAIGARH	22°38'52" N	Granite Gneiss	83°18'57" E	Sonpur EW
Mahanadi	11.3 RAIGARH	21°41'46" N	Compact Sandstone	83°12'31" E	Temar Lagga EW
Mahanadi	177 RAIGARH	21°39'38" N	Shale	83°4'44" E	Ulkhari EW
Mahanadi	27.38 RAIPUR	20°54'32" N	Granite/Granodiorite	82°8'23" E	Akalwara EW
Mahanadi	60.82 RAIPUR	21°14'18" N	Limestone	81°37'30" E	Amapara NHS
Mahanadi	11.65 RAIPUR	20°28'57" N	Granite/Granodiorite	82°7'0" E	Amdi EW
Mahanadi	10.5 RAIPUR	21°33'45" N	Shale With Sandstone Pa	82°7'51" E	Amera
Mahanadi	104.5 RAIPUR	20°55'30" N	Limestone Cavernous	82°8'35" E	Amethi
Mahanadi	30 RAIPUR	21°25'15" N	Compact Sandstone	82°16'0" E	Aouri
Mahanadi	162.1 RAIPUR	21°11'40" N	Limestone/Dolomite	81°58'30" E	Arang
Mahanadi	30 RAIPUR	21°12'45" N	Limestone Cavernous	81°54'41" E	Arang S
Mahanadi	3.9 RAIPUR	21°12'45" N		81°58'0" E	Arang_53
Mahanadi	10.95 RAIPUR	20°59'0" N	Shale	81°48'40" E	Bajrangpur
Mahanadi	8.58 RAIPUR	20°14'30" N	Granite/Granodiorite	82°13'0" E	Bardula
Mahanadi	8.16 RAIPUR	21°16'30" N	Shale	81°54'45" E	Bhansoj EW
Mahanadi	11.37 RAIPUR	21°39'13" N	Not Available	82°48'44" E	Bhatgaon
Mahanadi	251.3 RAIPUR	21°34'27" N	Limestone	81°46'21" E	Biladi
Mahanadi	10.77 RAIPUR	21°38'15" N	Limestone/Dolomite	82°43'30" E	Bilaigarh
Mahanadi	RAIPUR	21°38'15" N	Limestone/Dolomite	82°43'30" E	Bilaigarh S
Mahanadi	10.6 RAIPUR	20°29'0" N	Granite/Granodiorite	82°12'0" E	Bindra nawagarh
Mahanadi	6.84 RAIPUR	20°28'47" N	Granite/Granodiorite	82°10'54" E	Bindra nawagarh EW
Mahanadi	10.5 RAIPUR	21°23'53" N	Limestone	81°40'22" E	Charauda
Mahanadi	103 RAIPUR	20°48'45" N	Granite/Granodiorite	82°12'30" E	Chhura
Mahanadi	9.41 RAIPUR	20°48'38" N	Granite/Granodiorite	82°12'39" E	Chhura EW
Mahanadi	151.85 RAIPUR	20°22'0" N		82°16'0" E	Dabnai_53
Mahanadi	RAIPUR	20°28'16" N	Granite/Granodiorite	82°17'9" E	Darripara EW
Mahanadi	128.46 RAIPUR	20°53'15" N	Limestone/Dolomite	81°57'30" E	Deori (kodara) Not In Use
Mahanadi	6.52 RAIPUR	20°52'58" N	Limestone Cavernous	81°57'21" E	Devri
Mahanadi	141.9 RAIPUR	20°23'0" N	Granite/Granodiorite	82°15'15" E	Dhawalpur
Mahanadi	10.55 RAIPUR	20°23'14" N	Granite/Granodiorite	82°15'0" E	Dhawalpur-EW

Mahanadi	33.4	RAIPUR	21°11'52" N	Limestone	81°41'23" E	Dumartarai
Mahanadi	75.62	RAIPUR	20°58'0" N	Limestone/Dolomite	82°2'0" E	Fingeshwar
Mahanadi	10.75	RAIPUR	20°58'0" N	Limestone/Dolomite	82°2'0" E	Fingeshwar- I
Mahanadi	151.7	RAIPUR	20°38'0" N		82°3'34" E	Gariaband_53
Mahanadi	137.12	RAIPUR	20°37'31" N	Granite/Granodiorite	82°4'0" E	Gariabandh-s
Mahanadi	11.5	RAIPUR	20°37'30" N	Granite/Granodiorite	82°4'0" E	Gariyaband
Mahanadi	43.45	RAIPUR	20°37'55" N	Granite/Granodiorite	82°3'40" E	Gariyaband -1
Mahanadi	8.75	RAIPUR	20°37'30" N	Granite/Granodiorite	82°4'0" E	Gariyaband-d
Mahanadi	119	RAIPUR	20°37'1" N	Granite/Granodiorite	82°5'0" E	Gariyabandh EW
Mahanadi	6.84	RAIPUR	20°19'10" N	Granite/Granodiorite	82°14'30" E	Gaurghat
Mahanadi	114.6	RAIPUR	21°36'55" N	Shale	82°33'0" E	Girod EW
Mahanadi	128.58	RAIPUR	21°41'15" N	Limestone/Dolomite	82°33'40" E	Haswa
Mahanadi		RAIPUR	20°42'0" N	Granite/Granodiorite	82°8'10" E	Jalkhamar
Mahanadi		RAIPUR	20°13'50" N	Granite Gneiss	82°12'0" E	Jhariabara
Mahanadi	146.88	RAIPUR	20°17'17" N	Granite/Granodiorite	82°17'17" E	Jidar EW
Mahanadi	9.35	RAIPUR	20°32'0" N	Granite/Granodiorite	82°7'0" E	Joba
Mahanadi	133	RAIPUR	21°2'30" N	Compact Sandstone	82°4'45" E	Kanekera
Mahanadi	96.54	RAIPUR	21°21'56" N	Not Available	81°58'47" E	Kasarangi New
Mahanadi	119.2	RAIPUR	21°37'0" N	Limestone/Dolomite	82°26'0" E	Kasdol
Mahanadi	114.81	RAIPUR	21°37'15" N	Limestone/Dolomite	82°25'35" E	Kasdol-d
Mahanadi	102.1	RAIPUR	21°37'15" N	Limestone/Dolomite	82°25'35" E	Kasdol-s PZ
Mahanadi	11.25	RAIPUR	20°51'50" N	Not Available	82°11'13" E	Kashi Bahara
Mahanadi	12	RAIPUR	21°36'33" N	Not Available	82°56'9" E	Kedar
Mahanadi	101.09	RAIPUR	21°34'0" N		82°54'0" E	Kedrnalla_49
Mahanadi	119.54	RAIPUR	20°56'25" N	Limestone/Dolomite	81°57'0" E	Kirwai
Mahanadi	6.4	RAIPUR	20°39'43" N	Granite/Granodiorite	82°6'9" E	Kochwai EW
Mahanadi		RAIPUR	20°40'10" N	Granite/Granodiorite	82°18'13" E	Kuderadadar EW
Mahanadi	134.5	RAIPUR	20°44'51" N	Compact Sandstone	81°56'18" E	Kukda EW
Mahanadi	12.45	RAIPUR	21°39'15" N	Shale	82°15'30" E	Lahaud
Mahanadi	195.6	RAIPUR	21°38'20" N	Limestone/Dolomite	82°20'30" E	Lawan
Mahanadi		RAIPUR	20°17'40" N	Granite Gneiss	82°13'30" E	Mainpur
Mahanadi	11.2	RAIPUR	20°18'0" N	Granite/Granodiorite	82°14'0" E	Mainpur EW
Mahanadi	7.2	RAIPUR	20°17'0" N		82°14'0" E	Mainpur_53
Mahanadi	21.55	RAIPUR	21°29'15" N	Quartzite	82°55'22" E	Mandalpur
Mahanadi	7.8	RAIPUR	21°21'10" N	Limestone	81°42'37" E	Mandhar
Mahanadi	18	RAIPUR	21°33'36" N	Not Available	82°55'1" E	Marban Gatadih New
Mahanadi	13.1	RAIPUR	21°28'0" N	Limestone Cavernous	82°17'0" E	Mudhipar
Mahanadi	10.4	RAIPUR	20°38'57" N	Granite/Granodiorite	82°7'0" E	Nagabuda EW
Mahanadi	8	RAIPUR	20°46'30" N	Compact Sandstone	81°56'45" E	Panduka
Mahanadi		RAIPUR	20°47'0" N		81°57'0" E	Panduka_53
Mahanadi	9.15	RAIPUR	20°37'7" N	Granite/Granodiorite	82°3'17" E	Paragaon EW
Mahanadi	50	RAIPUR	20°59'15" N	Shale With Limestone/S&	81°53'0" E	Paragaon EW
Mahanadi	147	RAIPUR	20°59'15" N	Shale With Limestone/S&	81°53'0" E	Paragaon OW
Mahanadi	7.85	RAIPUR	21°2'30" N	Not Available	81°58'30" E	Pokhara
Mahanadi	9.1	RAIPUR	21°2'30" N	Shale With Limestone/S&	81°58'0" E	Pokhara EW
Mahanadi	6.6	RAIPUR	21°2'30" N	Shale With Limestone/S&	81°58'30" E	Pokhara OW1
Mahanadi	10.14	RAIPUR	21°2'30" N	Shale With Limestone/S&	81°58'30" E	Pokhara OW2
Mahanadi	5.35	RAIPUR	20°58'0" N	Shale	81°53'0" E	Rajim
Mahanadi	50	RAIPUR	20°58'0" N	Shale	81°53'0" E	Rajim-d PZ
Mahanadi	9.05	RAIPUR	20°58'0" N	Shale	81°53'0" E	Rajim-s PZ
Mahanadi	10	RAIPUR	20°45'45" N	Granite/Granodiorite	82°12'46" E	Rajpur EW
Mahanadi	12	RAIPUR	20°46'0" N	Granite/Granodiorite	82°15'22" E	Raksi EW
Mahanadi		RAIPUR	20°53'12" N	Granite/Granodiorite	82°9'2" E	Rani Parteya EW
Mahanadi	33.5	RAIPUR	21°16'42" N	Not Available	82°1'41" E	Ranisagar

Mahanadi	196 RAIPUR	20°58'0" N		81°53'0" E	Razim_53
Mahanadi	14.83 RAIPUR	21°37'37" N	Limestone	82°7'49" E	Risda
Mahanadi	75 RAIPUR	21°14'22" N	Limestone	81°35'2" E	Rsu Raipur
Mahanadi	6.9 RAIPUR	21°21'15" N	Limestone	81°39'25" E	Sakara
Mahanadi	62.4 RAIPUR	20°48'37" N	Compact Sandstone	81°59'37" E	Sankra EW
Mahanadi	9.27 RAIPUR	21°37'30" N	Granite/Granodiorite	82°55'0" E	Sarsiwa
Mahanadi	9.8 RAIPUR	20°32'0" N		82°19'0" E	Sikasar_53
Mahanadi	12 RAIPUR	20°52'50" N	Alluvium	81°55'15" E	Sursabandha
Mahanadi	9.69 RAIPUR	20°52'50" N	Alluvium	81°55'15" E	Sursabandha EW
Mahanadi	10.9 RAIPUR	21°42'54" N	Limestone	81°47'26" E	Tatibandh MVM
Mahanadi	83 RAIPUR	21°40'45" N	Limestone Cavernous	82°36'28" E	Tundra EW
Mahanadi	8 RAIPUR	21°35'15" N	Limestone/Dolomite	82°22'0" E	Turma
Mahanadi	12.5 RAIGARH	22°15'45" N	Gneiss/Amphibolite/Gra	83°6'26" E	Behramar
Mahanadi	275.27 RAIGARH	22°16'15" N	Compact Sandstone	83°6'30" E	Behramar EW
Mahanadi	273.68 RAIGARH	22°27'50" N	Compact Sandstone	83°12'45" E	Dharmajaigarh
Mahanadi	6.2 RAIGARH	22°20'55" N	Gneiss/Amphibolite/Gra	83°14'12" E	Gersa
Mahanadi	8.6 RAIGARH	22°18'15" N	Compact Sandstone	83°5'45" E	Hati
Mahanadi	300.5 RAIGARH	22°18'0" N	Compact Sandstone	83°5'52" E	Hati EW
Mahanadi	305.15 RAIGARH	22°12'30" N	Sandstone With Shale/Cr	83°6'25" E	Kurekela EW2
Mahanadi	9.56 RAIGARH	22°12'30" N	Sandstone With Shale/Cr	83°6'25" E	Kurekela OW
Mahanadi	12.55 RAIGARH	22°14'14" N	Granite Gneiss	83°5'21" E	Mumund
Mahanadi	RAIPUR	21°42'54" N	Shell Limestone/Limesto	81°47'26" E	Darchura
Mahanadi	11.6 RAIPUR	21°33'0" N		82°19'0" E	Khrthatan_53
Mahanadi	10.7 RAIPUR	21°36'33" N	Conglomerate/Metasedi	81°51'0" E	Urela
Mahanadi	9.2 RAIGARH	22°7'47" N	Granite Gneiss	83°6'48" E	Chhal
Mahanadi	14.55 RAIGARH	22°40'43" N	Granite Gneiss	83°21'33" E	Alola EW
Mahanadi	293.26 RAIGARH	22°9'9" N	Sandstone	83°10'10" E	Auranar
Mahanadi	7.9 RAIGARH	22°30'45" N	Granite/Granodiorite	83°26'10" E	Bakaruma
Mahanadi	13.9 RAIGARH	22°30'45" N	Granite/Granodiorite	83°26'10" E	Bakaruma EW
Mahanadi	20.62 RAIGARH	22°29'33" N	Sandstone	83°13'27" E	Bamsjer
Mahanadi	11.48 RAIGARH	21°31'30" N	Limestone/Dolomite	83°15'45" E	Baramkela
Mahanadi	11.4 RAIGARH	21°33'41" N	Limestone/Dolomite	83°15'48" E	Baramkela EW
Mahanadi	5.6 RAIGARH	22°19'40" N	Compact Sandstone	83°16'0" E	Barpali
Mahanadi	29.91 RAIGARH	22°20'0" N	Sandstone	83°10'26" E	Bartapali
Mahanadi	5 RAIGARH	21°32'30" N	Compact Sandstone	83°7'30" E	Bataupali
Mahanadi	12 RAIGARH	21°32'30" N	Compact Sandstone	83°7'30" E	Bataupali EW
Mahanadi	74 RAIGARH	22°26'3" N	Granite Gneiss	83°10'2" E	Bayasi
Mahanadi	9.7 RAIGARH	22°25'34" N	Sandstone	83°10'30" E	Bijapara
Mahanadi	7.8 RAIGARH	22°7'30" N	Sandstone	83°10'10" E	Bojia
Mahanadi	185 RAIGARH	22°7'30" N	Compact Sandstone	83°9'46" E	Bojia EW
Mahanadi	11.25 RAIGARH	22°7'30" N	Compact Sandstone	83°9'46" E	Bojia1
Mahanadi	13.6 RAIGARH	21°43'10" N	Limestone/Dolomite	83°18'15" E	Bonda
Mahanadi	176 RAIGARH	21°38'39" N	Shale With Limestone/S&	83°17'48" E	Bonda EW
Mahanadi	151 RAIGARH	22°4'32" N	Compact Sandstone	83°7'37" E	Chaal-D PZ
Mahanadi	9.4 RAIGARH	22°4'32" N	Compact Sandstone	83°7'37" E	Chaal-S PZ
Mahanadi	9.5 RAIGARH	22°32'23" N	Not Available	83°22'57" E	Charkhapara
Mahanadi	8.4 RAIGARH	22°6'12" N	Compact Sandstone	83°7'12" E	Chhal
Mahanadi	10.4 RAIGARH	21°44'8" N	Shale With Limestone/S&	83°21'6" E	Chhichor Umaria OW1
Mahanadi	7.5 RAIGARH	21°27'15" N	Compact Sandstone	83°7'0" E	Damdarha
Mahanadi	6.8 RAIGARH	21°35'0" N	Limestone/Dolomite	83°7'30" E	Dansara EW
Mahanadi	10.4 RAIGARH	22°25'15" N	Gneiss/Amphibolite/Gra	83°13'46" E	Deridih
Mahanadi	176 RAIGARH	22°27'50" N	Compact Sandstone	83°12'45" E	Dharamjaigarh PZ
Mahanadi	176 RAIGARH	22°28'0" N		83°13'0" E	Dhrmjgarh_49
Mahanadi	9.75 RAIGARH	22°24'28" N	Gneiss/Amphibolite/Gra	83°8'2" E	Duliamuda

Mahanadi	176 RAIGARH	22°29'2" N	Sandstone	83°9'35" E	Durgapur
Mahanadi	164 RAIGARH	22°4'32" N	Compact Sandstone	83°7'37" E	Edu
Mahanadi	318.24 RAIGARH	21°37'0" N	Shale	83°16'0" E	Gobarsingha EW
Mahanadi	255.29 RAIGARH	22°37'50" N	Granite/Granodiorite	83°24'15" E	Golabuda
Mahanadi	9.5 RAIGARH	21°32'20" N	Shale	83°7'12" E	Kandurpali EW
Mahanadi	9.5 RAIGARH	22°40'15" N	Granite/Granodiorite	83°20'15" E	Kapu
Mahanadi	185 RAIGARH	22°40'11" N	Granite Gneiss	83°20'4" E	Kapu EW
Mahanadi	10.2 RAIGARH	22°40'11" N	Granite Gneiss	83°20'4" E	Kapu OW
Mahanadi	140 RAIGARH	22°28'24" N	Not Available	83°22'23" E	Karramarra
Mahanadi	RAIGARH	21°27'17" N		83°17'58" E	Kinkari_49
Mahanadi	15.5 RAIGARH	21°37'0" N	Shale With Limestone/S&	83°1'29" E	Kudhri OW
Mahanadi	21 RAIGARH	22°12'15" N	Compact Sandstone	83°6'15" E	Kurekela
Mahanadi	200 RAIGARH	22°12'30" N	Sandstone With Shale/C	83°6'25" E	Kurekela EW1
Mahanadi	92 RAIGARH	21°35'45" N	Shale With Limestone/S&	83°4'0" E	Kutela EW
Mahanadi	12 RAIGARH	21°29'15" N	Shale With Limestone/S&	83°18'24" E	Lendhra EW
Mahanadi	87.4 RAIGARH	22°38'48" N	Granite Gneiss	83°23'48" E	Lipti EW
Mahanadi	55 RAIGARH	21°33'32" N	Granite/Granodiorite	83°11'44" E	Malda B
Mahanadi	38.88 RAIGARH	22°25'29" N	Gneiss/Amphibolite/Gra	83°14'50" E	Ongana
Mahanadi	71.72 RAIGARH	22°20'27" N	Gneiss/Amphibolite/Gra	83°7'48" E	Ramnagar
Mahanadi	35 RAIGARH	21°35'36" N	Shale	83°3'30" E	Ranisagar EW
Mahanadi	10 RAIGARH	22°30'0" N	Granite Gneiss	83°23'0" E	Reruma Khurd EW
Mahanadi	RAIGARH	21°31'58" N	Shale With Limestone/S&	83°20'30" E	Rishora EW
Mahanadi	9.85 RAIGARH	21°35'0" N		83°5'0" E	Sarangarh_49
Mahanadi	RAIGARH	21°38'30" N	Limestone/Dolomite	83°21'25" E	Saria EW
Mahanadi	200 RAIGARH	21°33'50" N	Limestone/Dolomite	83°17'45" E	Saria1
Mahanadi	9 RAIGARH	22°28'27" N	Sandstone	83°11'8" E	Shahpur Colony
Mahanadi	9.27 RAIGARH	22°27'20" N	Compact Sandstone	83°18'25" E	Sisinga
Mahanadi	120 RAIGARH	22°27'20" N	Granite/Granodiorite	83°18'25" E	Sisinga EW
Mahanadi	116.5 RAIGARH	22°27'1" N	Gneiss/Amphibolite/Gra	83°10'59" E	Taraimar
Mahanadi	190 RAIGARH	22°28'54" N	Granite Gneiss	83°22'53" E	Tejpur EW
Mahanadi	154 RAIGARH	22°26'5" N	Gneiss/Amphibolite/Gra	83°13'37" E	Tendumar
Mahanadi	124.2 RAIGARH	22°36'2" N	Granite Gneiss	83°23'54" E	Thakurpandi EW
Mahanadi	136 RAIGARH	22°42'5" N	Granite Gneiss	83°21'24" E	Vijaynagar EW
Mahanadi	13.65 SURGUJA	22°54'33" N	Not Available	82°43'58" E	Abhaypur
Mahanadi	10.4 SURGUJA	22°50'50" N	Granite/Granodiorite	83°24'50" E	Bandana
Mahanadi	128.3 SURGUJA	22°58'50" N	Granite/Granodiorite	83°24'25" E	Batauli
Mahanadi	10 SURGUJA	22°58'18" N	Granite/Granodiorite	83°29'24" E	Boda - EW
Mahanadi	9.43 SURGUJA	22°53'42" N	Compact Sandstone	82°51'25" E	Dandgaon
Mahanadi	SURGUJA	22°53'52" N	Granite/Granodiorite	82°51'30" E	Dandgaon EW
Mahanadi	12.8 SURGUJA	23°4'50" N	Compact Sandstone	82°38'7" E	Ganeshpur
Mahanadi	8.5 SURGUJA	23°5'47" N	Not Available	82°39'32" E	Jagatpur Podipara
Mahanadi	SURGUJA	22°40'45" N	Granite/Granodiorite	83°24'24" E	Jamdhodi -EW
Mahanadi	118.12 SURGUJA	22°52'24" N	Not Available	82°45'0" E	Janardanpur
Mahanadi	SURGUJA	22°46'9" N	Granite/Granodiorite	83°25'56" E	Katkalo EW
Mahanadi	52.46 SURGUJA	22°54'20" N	Granite/Granodiorite	83°27'0" E	Mangari
Mahanadi	30.94 SURGUJA	23°4'59" N	Not Available	82°47'33" E	Parasrampur
Mahanadi	102.42 SURGUJA	22°45'0" N	Granite Gneiss	83°33'5" E	Petla EW
Mahanadi	31.3 SURGUJA	22°44'0" N	Granite/Granodiorite	83°28'35" E	Pratapgarh
Mahanadi	11.3 SURGUJA	22°58'0" N	Compact Sandstone	82°41'45" E	Premnagar
Mahanadi	143.14 SURGUJA	22°57'11" N	Granite/Granodiorite	82°42'14" E	Premnagar EW
Mahanadi	150 SURGUJA	23°9'0" N	Compact Sandstone	82°43'30" E	Ramanuj nagar
Mahanadi	136.13 SURGUJA	22°55'32" N	Not Available	82°47'10" E	Salkha
Mahanadi	7.71 SURGUJA	22°52'51" N	Not Available	82°47'15" E	Shivnagar
Mahanadi	148.83 SURGUJA	22°46'49" N	Granite/Granodiorite	83°29'42" E	Sitapur EW

Mahanadi	14.06	SURGUJA	22°47'0" N		83°29'45" E	Sitapur_51
Mahanadi		SURGUJA	22°46'10" N	Granite/Granodiorite	83°29'30" E	Sitapur-d
Mahanadi	37.04	SURGUJA	22°46'10" N	Compact Sandstone	83°29'30" E	Sitapur-s
Mahanadi	15.44	SURGUJA	22°50'30" N	Compact Sandstone	82°44'30" E	Tara
Mahanadi	12.9	SURGUJA	22°50'0" N	Compact Sandstone	82°44'23" E	Tara1
Mahanadi	12.05	SURGUJA	22°59'17" N	Shale	82°38'17" E	Vakirma Ew
Mahanadi	13.04	BASTAR	20°1'0" N	Granite/Granodiorite	81°51'30" E	Marangpuri
Mahanadi	11.55	BASTAR	20°1'0" N	Granite/Granodiorite	81°51'30" E	Marangpuri1
Mahanadi	160.1	DHAMTARI	20°57'45" N	Granite Gneiss	81°42'25" E	Birejhar
Mahanadi	9.4	DHAMTARI	20°48'50" N	Granite Gneiss	81°43'30" E	Charra
Mahanadi	150	DHAMTARI	20°56'8" N	Shale	81°45'31" E	Chiuri EW
Mahanadi	300	DHAMTARI	20°49'39" N	Limestone Cavernous	81°43'8" E	Kurud.1
Mahanadi	200	DHAMTARI	20°50'0" N		81°43'0" E	Kurud_55
Mahanadi		DHAMTARI	20°32'0" N		81°40'0" E	Mormsilli_55
Mahanadi		DHAMTARI	20°15'45" N	Not Available	82°0'25" E	Sankra New
Mahanadi		DHAMTARI	20°57'0" N	Shale	81°44'0" E	Sirri EW
Mahanadi	12	DHAMTARI	20°14'0" N		82°6'0" E	Sondur_53
Mahanadi	9	JASHPUR	23°6'7" N	Granite Gneiss	83°47'2" E	Bahora
Mahanadi	7.98	JASHPUR	22°41'10" N	Granite/Granodiorite	83°51'30" E	Bandarchuwa
Mahanadi		JASHPUR	22°52'0" N		83°58'0" E	Basantla_49
Mahanadi		JASHPUR	22°44'0" N	Gneiss/Amphibolite/Gra	83°44'0" E	Bataikela
Mahanadi		JASHPUR	22°44'0" N	Gneiss/Amphibolite/Gra	83°44'0" E	Bataikela EW
Mahanadi	10.75	JASHPUR	22°46'0" N	Granite/Granodiorite	84°2'0" E	Binjapur
Mahanadi	145.3	JASHPUR	22°46'30" N	Not Available	84°4'30" E	Chariadand
Mahanadi	7.4	JASHPUR	22°46'0" N	Granite/Granodiorite	84°4'0" E	Chariadand EW
Mahanadi	10.4	JASHPUR	22°40'5" N	Granite Gneiss	83°48'50" E	Chetba EW
Mahanadi	10.5	JASHPUR	22°40'5" N	Granite Gneiss	83°48'50" E	Chetba OW
Mahanadi	7.5	JASHPUR	22°48'34" N	Not Available	83°55'18" E	Chhapartoli
Mahanadi	29.89	JASHPUR	22°39'5" N	Granite/Granodiorite	83°54'0" E	Chogribahar EW
Mahanadi	62.55	JASHPUR	22°36'0" N	Granite/Granodiorite	83°54'45" E	Deori EW
Mahanadi	123.66	JASHPUR	22°36'25" N	Granite/Granodiorite	83°52'40" E	Dokra EW
Mahanadi	7.5	JASHPUR	22°46'0" N		83°57'30" E	Ginabahar_49
Mahanadi	18.29	JASHPUR	22°46'30" N	Granite Gneiss	83°50'0" E	Gorea EW
Mahanadi	6.6	JASHPUR	22°45'31" N	Granite Gneiss	83°58'5" E	Kandora
Mahanadi	136.48	JASHPUR	22°38'25" N	Granite/Granodiorite	83°44'35" E	Kansabel
Mahanadi	146.56	JASHPUR	22°38'25" N	Granite Gneiss	83°44'35" E	Kasawel S
Mahanadi	8.3	JASHPUR	22°36'0" N	Granite/Granodiorite	83°57'30" E	Kersai
Mahanadi	145.12	JASHPUR	22°39'55" N	Granite/Granodiorite	83°57'30" E	Kunjara
Mahanadi	7.99	JASHPUR	22°44'30" N	Granite/Granodiorite	83°57'15" E	Kunkuri
Mahanadi	3.5	JASHPUR	22°44'15" N	Granite Gneiss	83°56'45" E	Kunkuri EW
Mahanadi	8.87	JASHPUR	22°44'0" N		83°57'0" E	Kunkuri_50
Mahanadi	130.97	JASHPUR	22°44'31" N	Granite/Granodiorite	83°57'15" E	Kunkuri1
Mahanadi	127.41	JASHPUR	22°47'15" N	Granite/Granodiorite	84°0'15" E	Lodhama EW
Mahanadi	145.3	JASHPUR	22°51'20" N	Not Available	83°54'3" E	Matasi
Mahanadi	127.78	JASHPUR	22°51'45" N	Granite/Granodiorite	83°40'30" E	Muskuti
Mahanadi	9.8	JASHPUR	22°51'0" N	Granite Gneiss	83°54'30" E	Narayanpur EW
Mahanadi	152.9	JASHPUR	22°38'0" N	Granite Gneiss	83°43'0" E	Pongro EW
Mahanadi	130	JASHPUR	22°46'15" N	Gneiss/Amphibolite/Gra	84°1'30" E	Raikera-2
Mahanadi	50	JASHPUR	22°46'15" N	Gneiss/Amphibolite/Gra	84°1'30" E	Raikera-s PZ
Mahanadi	12.3	JASHPUR	22°53'33" N	Not Available	83°48'49" E	Sahidaur (Jam Dhora)
Mahanadi	128.24	JASHPUR	22°47'40" N	Granite/Granodiorite	83°40'10" E	Saraipani
Mahanadi	8	JASHPUR	22°39'25" N	Gneiss/Amphibolite/Gra	83°44'25" E	Sarhapani
Mahanadi	8.5	JASHPUR	23°7'35" N	Granite Gneiss	83°41'47" E	Sonquari
Mahanadi	150	JASHPUR	22°36'15" N	Granite Gneiss	83°44'15" E	Tangargaon EW

Mahanadi	16	JASHPUR	22°40'30" N	Granite/Granodiorite	83°55'30" E	Thethetangar EW
Mahanadi	151.74	JANJGIR - CHAMP,	21°58'0" N	Shale	82°57'45" E	Andil EW
Mahanadi		JANJGIR - CHAMP,	21°42'30" N	Compact Sandstone	83°14'15" E	Chandrapur
Mahanadi		JANJGIR - CHAMP,	21°42'30" N	Alluvium	83°14'15" E	Chandrapur1
Mahanadi	142	JANJGIR - CHAMP,	21°47'0" N	Compact Sandstone	83°5'0" E	Dabra
Mahanadi	138	JANJGIR - CHAMP,	21°46'30" N	Shale	83°4'50" E	Dabra EW
Mahanadi	132.8	JANJGIR - CHAMP,	22°8'8" N	Sandstone	82°51'34" E	Damau
Mahanadi	20.81	JANJGIR - CHAMP,	21°50'48" N	Limestone/Dolomite	82°27'29" E	Dongakahrod
Mahanadi	50	JANJGIR - CHAMP,	21°45'15" N	Shale	82°55'45" E	Hasaud EW
Mahanadi	100	JANJGIR - CHAMP,	21°45'5" N	Shale	82°54'45" E	Hasoud
Mahanadi	150	JANJGIR - CHAMP,	21°50'0" N	Shale	82°49'15" E	Jaijaipur
Mahanadi	150	JANJGIR - CHAMP,	21°50'0" N	Shale With Limestone/S&	82°49'15" E	Jaijaipur S
Mahanadi	150	JANJGIR - CHAMP,	22°5'15" N	Shale	82°46'45" E	Jarwe EW
Mahanadi	18.5	JANJGIR - CHAMP,	22°1'30" N	Shale	82°29'30" E	Kapan EW
Mahanadi	11.3	JANJGIR - CHAMP,	21°58'30" N		82°27'30" E	Kirari_46
Mahanadi	13.1	JANJGIR - CHAMP,	21°50'30" N	Limestone/Dolomite	83°8'45" E	Kotmi EW
Mahanadi	7.92	JANJGIR - CHAMP,	21°44'21" N	Shale	83°11'31" E	Latesara
Mahanadi	10.52	JANJGIR - CHAMP,	21°46'15" N	Granite Gneiss	82°33'24" E	Loharsi
Mahanadi	101.2	JANJGIR - CHAMP,	21°52'0" N	Shale	82°59'30" E	Malkhroda
Mahanadi	23.32	JANJGIR - CHAMP,	21°51'37" N	Not Available	82°59'27" E	Malkhroda new
Mahanadi	11.35	JANJGIR - CHAMP,	22°6'25" N	Shale	82°51'41" E	Mohgaon
Mahanadi	96	JANJGIR - CHAMP,	21°49'0" N	Shale	82°51'45" E	Orekeri EW
Mahanadi	7.4	JANJGIR - CHAMP,	21°52'15" N	Shale	82°27'10" E	Pamgarh
Mahanadi	9.87	JANJGIR - CHAMP,	21°52'30" N	Shale	82°27'0" E	Pamgarh EW
Mahanadi	151	JANJGIR - CHAMP,	22°0'45" N	Limestone/Dolomite	82°51'30" E	Sakreli EW
Mahanadi	50	JANJGIR - CHAMP,	22°1'15" N	Shale	82°57'45" E	Sakti
Mahanadi	12.13	JANJGIR - CHAMP,	22°1'30" N	Shale	82°57'30" E	Sakti EW
Mahanadi	150	JANJGIR - CHAMP,	22°1'15" N	Shale With Limestone/S&	82°57'45" E	Sakti D
Mahanadi	150	JANJGIR - CHAMP,	22°1'15" N	Shale With Limestone/S&	82°57'45" E	Sakti S
Mahanadi	9.54	JANJGIR - CHAMP,	22°2'0" N		82°58'0" E	Sakti_48
Mahanadi	10.2	JANJGIR - CHAMP,	21°53'46" N	Granite Gneiss	82°44'46" E	Saliabhata
Mahanadi	18.33	JANJGIR - CHAMP,	21°45'5" N	Shale	83°10'5" E	Sapos EW
Mahanadi	151.81	JANJGIR - CHAMP,	21°52'10" N	Compact Sandstone	83°5'40" E	Sukda
Mahanadi	13.9	JANJGIR - CHAMP,	22°0'0" N	Shale	82°55'45" E	Temar EW
Mahanadi	17.5	JANJGIR - CHAMP,	21°55'55" N	Shale	82°49'30" E	Thathari
Mahanadi	15.37	JANJGIR - CHAMP,	22°3'45" N	Shale	82°52'0" E	Turri EW
Mahanadi	124.15	KORBA	22°24'18" N	Not Available	83°4'16" E	Barpali OW
Mahanadi	280.29	KORBA	22°25'45" N	Not Available	83°2'39" E	Basin
Mahanadi	98	KORBA	22°21'15" N	Sandstone	82°55'13" E	Batati Junction
Mahanadi	6.98	KORBA	22°18'25" N	Sandstone With Shale/Ci	82°46'30" E	Bhilai Nagar Pz I
Mahanadi	7.6	KORBA	22°18'25" N	Sandstone With Shale/Ci	82°46'30" E	Bhilai Nagar Pz li
Mahanadi	100	KORBA	22°20'10" N	Compact Sandstone	82°42'5" E	Bhilaikhurd EW
Mahanadi	8.86	KORBA	22°21'10" N	Sandstone	82°50'25" E	Dhegurdi Manzipara
Mahanadi	7.29	KORBA	22°21'48" N	Not Available	82°50'8" E	Dhegurdi Manzipara Pz
Mahanadi	323.74	KORBA	22°22'30" N	Sandstone With Shale/Ci	82°47'20" E	Dumardih EW
Mahanadi	7.15	KORBA	22°22'19" N	Sandstone	82°47'3" E	Dumardih New
Mahanadi	100	KORBA	22°21'15" N	Compact Sandstone	82°46'24" E	Jhagarha EW
Mahanadi	99	KORBA	22°22'17" N	Not Available	83°4'58" E	Jilga OW
Mahanadi	8.2	KORBA	22°20'45" N	Compact Sandstone	82°52'46" E	Karkoma EW
Mahanadi	100	KORBA	22°17'0" N	Compact Sandstone	82°46'37" E	Karmandi EW
Mahanadi	8.9	KORBA	22°22'32" N	Not Available	82°52'34" E	Kerwa
Mahanadi		KORBA	22°22'33" N	Not Available	82°52'41" E	Kerwa OW
Mahanadi		KORBA	22°22'33" N	Not Available	82°52'41" E	Kerwa Pz
Mahanadi		KORBA	22°23'49" N	Not Available	82°59'29" E	Kolga

Mahanadi	69	KORBA	22°20'45" N	Compact Sandstone	82°42'0" E	Korba
Mahanadi	14.47	KORBA	22°20'45" N	Not Available	82°41'57" E	Korba - S
Mahanadi	107	KORBA	22°21'45" N	Compact Sandstone	82°43'36" E	Korba EW
Mahanadi	123	KORBA	22°17'45" N	Sandstone With Shale/C	82°42'0" E	Korba Home Gaurd Pz I
Mahanadi	37.48	KORBA	22°21'0" N	Compact Sandstone	82°43'0" E	Korba-D
Mahanadi	9.4	KORBA	22°21'0" N	Compact Sandstone	82°43'0" E	Korba-S
Mahanadi	212.5	KORBA	22°20'16" N	Sandstone	82°52'17" E	Korkoma Junction
Mahanadi	11.27	KORBA	22°20'25" N	Sandstone With Shale/C	82°46'30" E	Naktikhar - Pz - I
Mahanadi	201.1	KORBA	22°20'25" N	Sandstone With Shale/C	82°46'30" E	Naktikhar - Pz - II
Mahanadi	92	KORBA	22°20'24" N	Not Available	82°46'28" E	Naktikhar-D
Mahanadi	88	KORBA	22°20'24" N	Not Available	82°46'28" E	Naktikhar-S
Mahanadi		KORBA	22°18'49" N	Not Available	82°46'51" E	Pandripani
Mahanadi		KORBA	22°18'50" N	Sandstone With Shale/C	82°46'50" E	Pandripani - Pz - II
Mahanadi	300.45	KORBA	22°18'50" N	Sandstone With Shale/C	82°46'50" E	Pandripani -S- Pz
Mahanadi	8.15	KORBA	22°22'11" N	Sandstone	82°57'35" E	Pasarkhet
Mahanadi	82	KORBA	22°17'43" N	Not Available	82°44'57" E	Ralia Pz - II
Mahanadi	58.93	KORBA	22°17'45" N	Sandstone With Shale/C	82°45'0" E	Ralia Pz I
Mahanadi	150	KORBA	22°17'45" N	Sandstone With Shale/C	82°45'0" E	Ralia Pz Iii
Mahanadi	199.05	KORBA	22°22'9" N	Sandstone	82°44'0" E	Rampur
Mahanadi		KORBA	22°22'24" N	Sandstone	82°46'13" E	Rishdi
Mahanadi	197	KORBA	22°14'20" N	Granite Gneiss	82°45'45" E	Tilkeja EW
Mahanadi	7.05	KORBA	22°34'30" N	Granite Gneiss	82°25'15" E	Tuman EW
Mahanadi	4	KORBA	22°16'30" N	Gneiss/Amphibolite/Gra	82°43'40" E	Urga
Mahanadi	142.7	KORBA	22°16'30" N	Gneiss/Amphibolite/Gra	82°43'40" E	Urga.1
Mahanadi	150.04	KANKER	20°18'35" N	Acidic Rocks	81°24'35" E	Bardeori
Mahanadi	150	KANKER	20°18'35" N	Granite Gneiss	81°24'35" E	Bayanar
Mahanadi	9.7	KANKER	20°19'5" N	Granite/Granodiorite	81°10'30" E	Bhanbera
Mahanadi	88.36	KANKER	20°19'5" N	Granite/Granodiorite	81°10'30" E	Bhanbera EW
Mahanadi	11.2	KANKER	20°29'22" N	Granite/Granodiorite	81°22'15" E	Charama
Mahanadi	30.6	KANKER	20°29'22" N	Granite/Granodiorite	81°22'15" E	Charama1
Mahanadi	12.68	KANKER	20°18'35" N	Granite Gneiss	81°24'35" E	Danesara
Mahanadi	102.25	KANKER	20°18'30" N	Granite/Granodiorite	81°24'30" E	Devri
Mahanadi	202	KANKER	20°17'0" N	Gneiss/Amphibolite/Gra	81°29'0" E	Govindpur
Mahanadi	202	KANKER	20°17'30" N	Limestone/Dolomite	81°28'40" E	Govindpur EW
Mahanadi	30.56	KANKER	20°21'37" N	Granite Gneiss	81°15'34" E	Haranpuri
Mahanadi	251.1	KANKER	20°21'37" N	Granite Gneiss	81°15'34" E	Haranpurii
Mahanadi	110.5	KANKER	20°14'27" N	Granite Gneiss	81°16'0" E	Hotkara
Mahanadi	110.5	KANKER	20°13'40" N	Granite Gneiss	81°28'3" E	Ichchhapur
Mahanadi	129.7	KANKER	20°25'5" N	Granite/Granodiorite	81°28'50" E	Jepra EW
Mahanadi	154.75	KANKER	20°16'45" N	Gneiss/Amphibolite/Gra	81°29'45" E	Kanker
Mahanadi	141	KANKER	20°16'45" N	Granite/Granodiorite	81°29'45" E	Kanker1 PZ
Mahanadi	12.09	KANKER	20°23'5" N	Granite/Granodiorite	81°24'0" E	Kheir Kheda EW
Mahanadi	16.67	KANKER	20°17'22" N	Acidic Rocks	81°26'37" E	Kokpur
Mahanadi	246.7	KANKER	20°19'0" N	Granite/Granodiorite	81°16'30" E	Korar
Mahanadi	202	KANKER	20°10'30" N	Gneiss/Amphibolite/Gra	81°30'25" E	Kulgaon
Mahanadi	189.8	KANKER	20°23'45" N	Granite/Granodiorite	81°25'40" E	Lakhanpuri
Mahanadi	7.15	KANKER	20°18'5" N	Gneiss/Amphibolite/Gra	81°19'40" E	Markatola1
Mahanadi	14	KANKER	20°16'58" N	Granite/Granodiorite	81°38'41" E	Murpar-1
Mahanadi	202	KANKER	20°25'0" N	Granite/Granodiorite	81°37'20" E	Narharpur
Mahanadi	202	KANKER	20°13'40" N	Granite Gneiss	81°37'46" E	Narharpur
Mahanadi	9.9	KANKER	20°20'52" N	Granite Gneiss	81°27'16" E	Nathiya Nawagaon
Mahanadi	13.5	KANKER	20°21'20" N	Pegmatite/Aplite/Quartz	81°18'30" E	Parsoda EW
Mahanadi	11.34	KANKER	20°17'46" N	Granite Gneiss	81°44'39" E	Salhetola
Mahanadi	154.75	KANKER	20°21'20" N	Granite/Granodiorite	81°24'50" E	Urkura EW

Mahanadi	7.9	KANKER	20°13'22" N	Granite Gneiss	81°32'49" E	Wyaskongera
Mahanadi	9.32	KORBA	22°16'37" N	Not Available	82°46'0" E	Bhaisma
Mahanadi	11.65	KORBA	22°27'0" N	Granite Gneiss	82°24'36" E	Chaitma EW
Mahanadi		KORBA	22°29'20" N	Granite Gneiss	82°37'48" E	Churi EW
Mahanadi		KORBA	22°27'0" N	Not Available	82°33'0" E	Dhelwadhi pz - D
Mahanadi	9.46	KORBA	22°27'0" N	Not Available	82°33'0" E	Dhelwadhi Pz - S
Mahanadi	138.85	KORBA	22°21'30" N	Compact Sandstone	82°32'50" E	Dipika OW
Mahanadi	147.35	KORBA	22°21'30" N	Compact Sandstone	82°32'50" E	Dipika EW
Mahanadi	11.68	KORBA	22°24'21" N	Not Available	82°37'0" E	Gajra
Mahanadi	9.3	KORBA	22°18'21" N	Not Available	82°32'49" E	Hardibajar
Mahanadi	9	KORBA	22°31'51" N	Not Available	83°6'14" E	Jabga
Mahanadi	151.9	KORBA	22°15'10" N	Compact Sandstone	82°34'10" E	Jhabar-D
Mahanadi	88	KORBA	22°15'10" N	Compact Sandstone	82°34'10" E	Jhabar-S
Mahanadi	87	KORBA	22°28'59" N	Not Available	82°32'7" E	Kasania
Mahanadi	115	KORBA	22°30'30" N	Compact Sandstone	82°31'15" E	Katghora
Mahanadi	72.53	KORBA	22°17'45" N	Sandstone With Shale/Ci	82°42'0" E	Korba Home Gaurd Pz li
Mahanadi	300	KORBA	22°27'27" N	Not Available	82°31'53" E	Lakhanpur
Mahanadi	180.98	KORBA	22°28'0" N	Sandstone	82°32'0" E	Lalmatiya EW
Mahanadi		KORBA	22°24'19" N	Not Available	82°36'19" E	Mongara Pz
Mahanadi	100	KORBA	22°18'12" N	Not Available	82°34'57" E	Mudinar Pz
Mahanadi	9.33	KORBA	22°21'32" N	Sandstone With Shale/Ci	82°24'54" E	Nunera Pz I
Mahanadi	91	KORBA	22°21'32" N	Sandstone With Shale/Ci	82°24'54" E	Nunera Pz II
Mahanadi	161	KORBA	22°22'30" N	Compact Sandstone	82°19'0" E	Pali EW
Mahanadi	99	KORBA	22°26'51" N	Granite Gneiss	82°28'42" E	Rajkamma
Mahanadi	21.62	KORBA	22°25'24" N	Granite Gneiss	82°25'54" E	Rajkamma EW
Mahanadi	9	KORBA	22°17'43" N	Not Available	82°44'57" E	Ralia Pz - I
Mahanadi	142.75	KORBA	22°17'43" N	Not Available	82°44'57" E	Ralia Pz - III
Mahanadi	70.41	KORBA	22°17'45" N	Sandstone With Shale/Ci	82°45'0" E	Ralia Pz li
Mahanadi	300	KORBA	22°20'21" N	Sandstone With Shale/Ci	82°29'14" E	Ramtarai Pz I
Mahanadi	147.3	KORBA	22°20'21" N	Sandstone With Shale/Ci	82°29'14" E	Ramtarai Pz li
Mahanadi	12.1	KORBA	22°20'21" N	Sandstone With Shale/Ci	82°29'14" E	Ramtarai Pz lii
Mahanadi	114	KORBA	22°23'52" N	Not Available	82°30'15" E	Ranjana
Mahanadi	78	KORBA	22°29'26" N	Sandstone	82°30'9" E	Sindhiya
Mahanadi	150	KORBA	22°21'10" N	Not Available	82°32'37" E	Sirki Pz - I
Mahanadi	50.82	KORBA	22°21'10" N	Sandstone With Shale/Ci	82°32'29" E	Sirki Pz I
Mahanadi	120	KORBA	22°28'12" N	Sandstone	82°31'19" E	Sutarra
Mahanadi	10	KORBA	22°28'5" N	Compact Sandstone	82°30'42" E	Sutarra EW
Mahanadi	89	KORBA	22°28'17" N	Sandstone With Shale/Ci	82°30'47" E	Sutera
Mahanadi	79	KORBA	22°21'27" N	Not Available	82°29'51" E	Tiwarta Pz - I
Mahanadi	140.25	KORBA	22°21'27" N	Not Available	82°29'51" E	Tiwarta Pz - II
Mahanadi	105	KORBA	22°21'30" N	Sandstone With Shale/Ci	82°29'52" E	Tiwarta Pz I
Mahanadi	9	KORBA	22°21'30" N	Sandstone With Shale/Ci	82°29'52" E	Tiwarta Pz li
Mahanadi	79.09	KANKER	20°21'40" N	Granite/Granodiorite	81°33'20" E	Amoda EW
Mahanadi	150.04	KANKER	20°15'50" N	Granite/Granodiorite	81°40'55" E	Chouriya EW
Mahanadi	130.6	KANKER	20°30'5" N	Granite/Granodiorite	81°32'8" E	Devinawagaon EW
Mahanadi	150.04	KANKER	20°27'35" N	Granite/Granodiorite	81°33'8" E	Domarpani EW
Mahanadi	92.62	KANKER	20°17'15" N	Granite/Granodiorite	81°45'15" E	Dudhawa
Mahanadi	8.55	KANKER	20°21'36" N	Granite/Granodiorite	81°40'8" E	Ganwarsillipara
Mahanadi	9.9	KANKER	20°19'10" N	Granite/Granodiorite	81°32'10" E	Junwani EW
Mahanadi	9.65	KANKER	20°14'30" N	Granite/Granodiorite	81°45'30" E	Mawlipara EW
Mahanadi	144	KANKER	20°16'58" N	Granite/Granodiorite	81°38'41" E	Murpar
Mahanadi	150	KANKER	20°23'5" N	Granite/Granodiorite	81°32'25" E	Umardah EW
Mahanadi		JASHPUR	22°58'35" N	Gneiss/Amphibolite/Gra	83°39'15" E	Bagicha
Mahanadi	41.63	JASHPUR	22°52'35" N	Gneiss/Amphibolite/Gra	83°39'15" E	Bagicha PZ

Mahanadi	8	JASHPUR	22°58'30" N	Granite/Granodiorite	83°39'30" E	Bagicha EW
Mahanadi	112.48	JASHPUR	22°58'30" N		83°41'7" E	Bagicha_50
Mahanadi	7	JASHPUR	22°36'0" N	Granite/Granodiorite	83°40'45" E	Bangaon
Mahanadi	7.73	JASHPUR	22°36'0" N	Granite Gneiss	83°40'45" E	Bangaon EW
Mahanadi	136.37	JASHPUR	22°54'30" N	Not Available	83°44'51" E	Bewrapali
Mahanadi	6.82	JASHPUR	22°34'23" N	Granite Gneiss	83°37'23" E	Bildagi
Mahanadi	8.5	JASHPUR	22°57'2" N	Granite Gneiss	83°33'45" E	Bimra EW
Mahanadi	5.65	JASHPUR	22°55'15" N	Granite Gneiss	83°42'30" E	Bthighara EW
Mahanadi	6.5	JASHPUR	22°25'0" N		83°42'0" E	Buldenga_49
Mahanadi	136.24	JASHPUR	22°43'15" N	Granite/Granodiorite	84°6'5" E	Duldula EW
Mahanadi	9.1	JASHPUR	22°39'13" N	Granite Gneiss	83°36'17" E	Dumarbahar EW
Mahanadi	145	JASHPUR	22°30'31" N	Not Available	83°51'19" E	Farsabahar
Mahanadi	139.85	JASHPUR	22°33'30" N	Granite Gneiss	83°32'6" E	Kachhor
Mahanadi	41.5	JASHPUR	22°23'44" N	Granite Gneiss	83°54'14" E	Kandaibahar
Mahanadi	7.45	JASHPUR	22°38'20" N	Granite Gneiss	83°28'26" E	Karakachchaar EW
Mahanadi	4.65	JASHPUR	22°37'45" N	Granite Gneiss	83°28'15" E	Karmitikra EW
Mahanadi	141.98	JASHPUR	22°49'30" N	Granite/Granodiorite	83°59'0" E	Keradih EW
Mahanadi	100.76	JASHPUR	22°24'45" N	Not Available	83°49'32" E	Khutsera
Mahanadi	114.5	JASHPUR	22°26'0" N	Granite/Granodiorite	83°44'25" E	Kotba
Mahanadi	11	JASHPUR	22°24'45" N	Granite Gneiss	83°39'50" E	Kotba EW
Mahanadi	6.1	JASHPUR	22°38'0" N	Granite/Granodiorite	83°41'35" E	Lamdand EW
Mahanadi	9.25	JASHPUR	22°23'5" N	Gneiss/Amphibolite/Gra	83°58'55" E	Lavakera
Mahanadi		JASHPUR	22°24'15" N	Gneiss/Amphibolite/Gra	83°49'30" E	Lavakera1
Mahanadi		JASHPUR	22°33'15" N	Gneiss/Amphibolite/Gra	83°36'15" E	Ludeg
Mahanadi		JASHPUR	22°32'45" N	Granite Gneiss	83°36'0" E	Ludeg EW
Mahanadi	135.35	JASHPUR	22°32'45" N	Granite Gneiss	83°36'0" E	Ludeg EW (new)
Mahanadi	6.85	JASHPUR	22°34'30" N	Granite Gneiss	83°27'30" E	Madanpur EW
Mahanadi	33.5	JASHPUR	22°51'30" N	Granite Gneiss	83°39'55" E	Mahadeodent EW
Mahanadi	105.5	JASHPUR	22°58'50" N	Granite/Granodiorite	83°32'25" E	Maini
Mahanadi	152.9	JASHPUR	22°55'34" N	Gneiss/Amphibolite/Gra	83°55'34" E	Mauhadih
Mahanadi	152.9	JASHPUR	22°35'11" N	Granite Gneiss	83°26'39" E	Nawaguda
Mahanadi	100	JASHPUR	22°33'45" N	Granite Gneiss	83°31'30" E	Pakargaon EW
Mahanadi	112.5	JASHPUR	22°33'29" N	Granite Gneiss	83°30'25" E	Palidih
Mahanadi	152.9	JASHPUR	23°8'33" N	Gneiss/Amphibolite/Gra	83°45'6" E	Pandrapat (Kondapara)
Mahanadi	26.93	JASHPUR	22°33'17" N	Granite/Granodiorite	83°27'45" E	Pathalgaon
Mahanadi	6.99	JASHPUR	22°33'0" N		83°28'0" E	Pathalgaon_49
Mahanadi	14.23	JASHPUR	22°33'7" N	Gneiss/Amphibolite/Gra	83°27'45" E	Pathalgaon1 PZ
Mahanadi	10.5	JASHPUR	22°44'40" N	Granite Gneiss	84°7'7" E	Patratoli
Mahanadi	9.8	JASHPUR	22°44'50" N	Granite/Granodiorite	84°7'15" E	Patratoli(Duldula) EW
Mahanadi	122.04	JASHPUR	22°57'34" N	Granite Gneiss	83°35'54" E	Peta
Mahanadi	8.5	JASHPUR	22°31'0" N	Granite/Granodiorite	83°51'5" E	Pharsabahar EW
Mahanadi	126.33	JASHPUR	22°56'5" N	Granite/Granodiorite	83°39'15" E	Raikera
Mahanadi	9.6	JASHPUR	23°0'24" N	Granite Gneiss	83°39'41" E	Raoni
Mahanadi	8.24	JASHPUR	22°47'30" N	Granite Gneiss	83°40'10" E	Saraipani EW
Mahanadi	152.9	JASHPUR	22°32'30" N	Granite/Granodiorite	83°57'45" E	Singibahar EW
Mahanadi	128.98	JASHPUR	22°24'45" N	Granite Gneiss	83°39'50" E	Surangpani EW
Mahanadi	152.9	JASHPUR	22°39'50" N	Granite Gneiss	83°27'30" E	Sureshpur
Mahanadi	145.65	JASHPUR	22°38'30" N	Granite Gneiss	83°34'30" E	Tamta EW
Mahanadi	140.86	JASHPUR	22°38'30" N	Granite Gneiss	83°34'30" E	Tamta EW(new)
Mahanadi	7.8	JASHPUR	22°30'15" N	Granite/Granodiorite	83°57'0" E	Tapkara
Mahanadi	128.24	JASHPUR	22°31'0" N	Granite/Granodiorite	83°57'0" E	Tapkara EW
Mahanadi	140.63	JASHPUR	22°30'30" N		83°57'0" E	Tapkara_50
Mahanadi	11.12	JANJGIR - CHAMP,	21°57'45" N	Shale	83°1'10" E	Adbhar
Mahanadi	130	JANJGIR - CHAMP,	21°57'0" N	Shale	83°1'15" E	Adbhar EW

Mahanadi	109.7	JANJGIR - CHAMP, 21°55'22" N	Shale	82°40'45" E	Amoda EW
Mahanadi	101.2	JANJGIR - CHAMP, 21°54'0" N	Shale	82°43'0" E	Bamnidih
Mahanadi	8.3	JANJGIR - CHAMP, 21°54'34" N	Shale	82°43'22" E	Bamnidih EW
Mahanadi	8.52	JANJGIR - CHAMP, 21°55'5" N	Not Available	82°43'22" E	Bamnidih new
Mahanadi	142.6	JANJGIR - CHAMP, 21°54'34" N	Shale	82°43'22" E	Bamnidih OW
Mahanadi	11.48	JANJGIR - CHAMP, 22°0'45" N	Limestone/Dolomite	82°49'0" E	Baradwar
Mahanadi	32.2	JANJGIR - CHAMP, 21°59'0" N	Shale With Limestone/S&	82°45'15" E	Baradwar S
Mahanadi	151.8	JANJGIR - CHAMP, 21°47'10" N	Shale	82°42'0" E	Barra EW
Mahanadi	10.72	JANJGIR - CHAMP, 21°56'8" N	Shale With Limestone/S&	82°34'19" E	Bhadesar EW
Mahanadi	15.4	JANJGIR - CHAMP, 21°53'49" N	Granite Gneiss	82°37'23" E	Budena
Mahanadi	151.74	JANJGIR - CHAMP, 22°2'7" N	Limestone/Dolomite	82°39'40" E	Champa
Mahanadi	19.95	JANJGIR - CHAMP, 22°2'0" N		82°42'10" E	Champa_48
Mahanadi	13.1	JANJGIR - CHAMP, 22°2'7" N	Shaly Limestone	82°39'40" E	Champa-d PZ
Mahanadi	11.8	JANJGIR - CHAMP, 22°2'7" N	Shaly Limestone	82°39'40" E	Champa-s PZ
Mahanadi	123	JANJGIR - CHAMP, 21°53'35" N	Compact Sandstone	83°5'35" E	Davarghata
Mahanadi	151.8	JANJGIR - CHAMP, 21°47'50" N	Shale	82°31'30" E	Dhardei
Mahanadi	200	JANJGIR - CHAMP, 21°56'0" N	Shale With Limestone/S&	82°36'30" E	Dhurkot EW
Mahanadi	12.8	JANJGIR - CHAMP, 21°56'41" N	Shale With Limestone/S&	82°35'41" E	Dhurkot Nhs
Mahanadi	200	JANJGIR - CHAMP, 21°57'43" N	Shale	82°39'9" E	Gaud EW
Mahanadi	150.81	JANJGIR - CHAMP, 21°47'0" N	Shale	83°0'35" E	Ghoghari
Mahanadi	151.8	JANJGIR - CHAMP, 21°46'45" N	Shale	83°0'15" E	Ghugri EW
Mahanadi	151.74	JANJGIR - CHAMP, 22°0'15" N	Shale	82°34'45" E	Janjgir
Mahanadi	151.8	JANJGIR - CHAMP, 21°55'15" N	Limestone/Dolomite	82°32'22" E	Jhulan Pakariya
Mahanadi	8.73	JANJGIR - CHAMP, 22°1'0" N		82°35'0" E	Jnjgir_02_48
Mahanadi	11.4	JANJGIR - CHAMP, 21°44'45" N	Shale	82°42'40" E	Kera
Mahanadi	30.15	JANJGIR - CHAMP, 21°48'0" N	Limestone/Dolomite	82°40'0" E	Khartal
Mahanadi		JANJGIR - CHAMP, 21°52'30" N	Limestone Cavernous	82°30'55" E	Kosla EW
Mahanadi	151.8	JANJGIR - CHAMP, 22°3'45" N	Limestone/Dolomite	82°39'30" E	Kurda EW
Mahanadi		JANJGIR - CHAMP, 21°46'30" N	Shale	82°32'40" E	Loharsi EW
Mahanadi	151.8	JANJGIR - CHAMP, 21°48'30" N	Shale	82°44'45" E	Naktidih EW
Mahanadi		JANJGIR - CHAMP, 21°57'53" N	Shale	82°44'2" E	Pachori EW
Mahanadi	105	JANJGIR - CHAMP, 21°56'44" N	Shale	83°5'54" E	Phagunam
Mahanadi	105	JANJGIR - CHAMP, 21°59'30" N	Limestone Cavernous	82°38'45" E	Pisaud EW
Mahanadi	10	JANJGIR - CHAMP, 21°53'45" N	Limestone/Dolomite	82°59'45" E	Pota EW
Mahanadi	7.85	JANJGIR - CHAMP, 21°49'0" N	Shaly Limestone	82°30'10" E	Rahod EW
Mahanadi	200	JANJGIR - CHAMP, 22°3'10" N	Limestone/Dolomite	82°34'45" E	Salkhon EW
Mahanadi	151.74	JANJGIR - CHAMP, 21°59'0" N	Shale	82°45'30" E	Saragaon EW
Mahanadi	11.3	JANJGIR - CHAMP, 21°59'0" N	Shale	82°45'15" E	Saragaon2
Mahanadi	12.3	JANJGIR - CHAMP, 21°51'40" N	Limestone/Dolomite	82°38'0" E	Semra
Mahanadi	41.87	JANJGIR - CHAMP, 21°51'30" N	Limestone Cavernous	82°34'50" E	Semra EW
Mahanadi	65.5	JANJGIR - CHAMP, 21°44'0" N	Alluvium	82°35'40" E	Seorinarayan
Mahanadi	151.74	JANJGIR - CHAMP, 21°43'5" N	Alluvium	82°35'40" E	Seorinarayan1 PZ
Mahanadi	50	JANJGIR - CHAMP, 21°43'0" N		82°36'0" E	Serinaryn_46
Mahanadi	13.12	JANJGIR - CHAMP, 21°45'2" N	Limestone/Dolomite	82°45'0" E	Siladehi EW
Mahanadi	151.8	JANJGIR - CHAMP, 21°59'10" N	Shale	82°30'0" E	Tilai EW
Mahanadi	51.3	DURG 21°50'29" N	Sandy Shale	81°35'59" E	Andhiarkhor Pz I
Mahanadi	57.7	DURG 20°38'46" N	Compact Sandstone	81°28'18" E	Balod Gahan
Mahanadi	121.8	DURG 21°4'0" N	Limestone	81°26'5" E	Bohardih Pzi
Mahanadi	57.7	DURG 21°4'0" N	Limestone	81°26'5" E	Bohardih Pzii
Mahanadi	149.2	DURG 21°13'2" N	Limestone	81°34'34" E	Bothi Pzi
Mahanadi	7.1	DURG 21°13'2" N	Limestone	81°34'34" E	Bothi Pzii
Mahanadi	12.45	DURG 21°53'45" N	Shell Limestone/Limesto	81°28'30" E	Darhi Pz I
Mahanadi	100.3	DURG 21°53'45" N	Shell Limestone/Limesto	81°28'30" E	Darhi Pz li
Mahanadi	39.4	DURG 20°37'20" N	Compact Sandstone	81°26'33" E	Jagtara

Mahanadi	142.2	DURG	21°47'11" N	Shell Limestone/Limesto	81°28'36" E	Karesara Pz I
Mahanadi	51.6	DURG	21°47'11" N	Shell Limestone/Limesto	81°28'36" E	Karesara Pz li
Mahanadi	149.2	DURG	21°36'43" N	Shale With Sandstone Pz	81°39'26" E	Kathiya
Mahanadi	16.1	DURG	21°6'0" N	Shell Limestone/Limesto	81°19'30" E	Pawa Pz
Mahanadi	149.2	DURG	21°36'57" N	Sandy Shale	81°37'38" E	Ranka Pz I
Mahanadi	51.6	DURG	21°36'57" N	Sandy Shale	81°37'38" E	Ranka Pz li
Mahanadi	149.2	DURG	21°40'5" N	Sandy Shale	81°18'52" E	Saja Pz li
Mahanadi	151.9	DURG	21°40'5" N	Sandy Shale	81°18'52" E	Saja Pzi
Mahanadi	151.2	DURG	21°54'40" N	Shell Limestone/Limesto	81°44'37" E	Sambalpur Pz I
Mahanadi	151.9	DURG	21°54'40" N	Shell Limestone/Limesto	81°44'37" E	Sambalpur Pz li
Mahanadi	63	DURG	21°42'23" N	Shell Limestone/Limesto	81°24'53" E	Semariya
Mahanadi		DHAMTARI	20°52'32" N	Shale	81°50'33" E	Bade Kareli EW
Mahanadi	200	DHAMTARI	20°35'45" N	Quartzite	81°39'30" E	Banraud D
Mahanadi	179	DHAMTARI	20°36'48" N	Not Available	81°38'57" E	Baspara Kukrel
Mahanadi	190.52	DHAMTARI	20°16'40" N	Granite/Granodiorite	81°50'30" E	Belargaon EW
Mahanadi	160	DHAMTARI	20°54'30" N	Shale	81°51'30" E	Bhendri EW
Mahanadi	220.91	DHAMTARI	20°53'34" N		81°53'8" E	Budeni_53
Mahanadi	11.5	DHAMTARI	20°48'30" N	Limestone/Dolomite	81°43'45" E	Charra EW1
Mahanadi	36.58	DHAMTARI	20°48'30" N	Limestone/Dolomite	81°43'45" E	Charra EW2
Mahanadi	8	DHAMTARI	20°45'58" N	Shale	81°47'16" E	Chhotikareli EW
Mahanadi	81	DHAMTARI	20°32'55" N	Granite/Granodiorite	81°44'15" E	Keregaon
Mahanadi	10	DHAMTARI	20°47'8" N	Granite Gneiss	81°42'28" E	Khaira
Mahanadi	150.04	DHAMTARI	20°38'1" N	Granite/Granodiorite	81°38'35" E	Kukrel EW
Mahanadi	61	DHAMTARI	20°48'30" N	Shale With Limestone/S	81°43'20" E	Kurud EW
Mahanadi	12	DHAMTARI	20°44'50" N	Compact Sandstone	81°51'30" E	Magarlod
Mahanadi	150	DHAMTARI	20°44'43" N	Shaly Limestone	81°51'15" E	Magarlod D
Mahanadi	150	DHAMTARI	20°44'43" N	Shaly Limestone	81°51'15" E	Magarlod S
Mahanadi	150	DHAMTARI	20°30'2" N	Granite/Granodiorite	81°57'30" E	Nagari PZ
Mahanadi	36.66	DHAMTARI	20°17'35" N	Granite/Granodiorite	81°59'25" E	Sankra
Mahanadi	10.68	DHAMTARI	20°34'55" N	Compact Sandstone	81°52'40" E	Singhpur
Mahanadi	17.75	BILASPUR	22°49'8" N	Not Available	82°4'48" E	Kotmi Sakola
Mahanadi		BILASPUR	22°48'40" N	Granite/Granodiorite	82°5'15" E	Kotmi.1
Mahanadi	12	DHAMTARI	20°14'45" N	Granite/Granodiorite	82°4'45" E	Arsi-kanhar
Mahanadi		DHAMTARI	20°35'45" N	Compact Sandstone	81°39'30" E	Banraud
Mahanadi		DHAMTARI	20°35'45" N	Compact Sandstone	81°39'30" E	Banraud - I
Mahanadi	8.7	DHAMTARI	20°22'0" N	Granite/Granodiorite	81°47'30" E	Banspani
Mahanadi		DHAMTARI	20°39'30" N	Limestone Cavernous	81°35'30" E	Bhoyana
Mahanadi	7	DHAMTARI	20°19'20" N	Granite/Granodiorite	81°51'45" E	Birgudi
Mahanadi	182.85	DHAMTARI	20°40'30" N	Granite/Granodiorite	81°42'15" E	Chhuhi EW
Mahanadi	11.25	DHAMTARI	20°24'20" N	Granite/Granodiorite	81°54'40" E	Dorgardula
Mahanadi	12	DHAMTARI	20°29'30" N	Granite/Granodiorite	81°52'15" E	Dugli
Mahanadi	200.1	DHAMTARI	20°29'30" N	Granite/Granodiorite	81°52'15" E	Dugli - I
Mahanadi	150	DHAMTARI	20°38'0" N		81°34'0" E	Gangrel_55
Mahanadi	7.12	DHAMTARI	20°26'37" N	Not Available	81°48'10" E	Gattasilli
Mahanadi	139.95	DHAMTARI	20°16'58" N	Granite/Granodiorite	81°55'22" E	Ghatula EW
Mahanadi	107.28	DHAMTARI	20°29'44" N	Not Available	81°59'9" E	Jabarra
Mahanadi	11	DHAMTARI	20°48'0" N	Shale	81°42'35" E	Kokdi EW
Mahanadi	7.25	DHAMTARI	20°38'16" N	Gneiss/Amphibolite/Gra	81°36'26" E	Lasunwahi(EW)
Mahanadi	10.05	DHAMTARI	20°40'39" N	Not Available	81°54'15" E	Mulgaon
Mahanadi	12.54	DHAMTARI	20°20'0" N	Granite/Granodiorite	81°57'30" E	Nagri
Mahanadi	11.21	DHAMTARI	20°20'0" N	Granite/Granodiorite	81°57'30" E	Nagri-1
Mahanadi	9.1	DHAMTARI	20°16'8" N	Granite/Granodiorite	81°54'57" E	Pawdwar EW
Mahanadi	7.8	DHAMTARI	20°8'0" N		82°6'0" E	Risgaon_53
Mahanadi	7.7	DHAMTARI	20°38'0" N		81°34'0" E	Rudri_55

Mahanadi	6.1 DHAMTARI	20°17'35" N	Granite/Granodiorite	81°59'25" E	Sankra(nagri) EW
Mahanadi	53.71 DHAMTARI	20°18'56" N	Granite/Granodiorite	81°52'55" E	Semra Birgudi EW
Mahanadi	88.41 DHAMTARI	20°18'30" N	Granite/Granodiorite	81°54'45" E	Sihawa
Mahanadi	150 DHAMTARI	20°18'30" N	Granite/Granodiorite	81°54'58" E	Sihawa (Nagri) EW
Mahanadi	31.03 BILASPUR	21°55'5" N	Not Available	82°16'3" E	bakarkuda
Mahanadi	8.2 BILASPUR	21°55'5" N	Limestone	82°16'3" E	Bakarkuda
Mahanadi	50 BILASPUR	21°46'50" N	Limestone	82°18'45" E	chilhathi
Mahanadi	BILASPUR	22°48'40" N	Granite/Granodiorite	82°5'15" E	Kotmi
Mahanadi	50 BILASPUR	22°48'40" N	Granite/Granodiorite	82°5'15" E	Kotmi sakola PZ
Mahanadi	50 BILASPUR	22°16'15" N	Not Available	81°42'25" E	lormi
Mahanadi	50 BILASPUR	22°16'15" N	Not Available	81°42'25" E	Lormi (d)
Mahanadi	70 BILASPUR	22°3'56" N	Not Available	81°41'10" E	Mungeli(s)
Mahanadi	9.07 BASTAR	20°3'15" N	Gneiss/Amphibolite/Gra	81°34'20" E	Batrail
Mahanadi	109.3 BASTAR	20°5'20" N	Gneiss/Amphibolite/Gra	81°35'40" E	Keskal
Mahanadi	8.12 BASTAR	20°3'0" N	Granite/Granodiorite	81°41'50" E	Korgaon
Mahanadi	135 BASTAR	20°7'15" N	Gneiss/Amphibolite/Gra	81°32'0" E	Murwand
Mahanadi	9 BASTAR	20°6'0" N	Granite/Granodiorite	81°35'15" E	Surdongar(kaskela) EW
Mahanadi	10.67 BASTAR	20°6'0" N	Granite/Granodiorite	81°35'15" E	Vishrampur EW
Mahanadi	9.04 BASTAR	20°4'45" N	Gneiss/Amphibolite/Gra	81°46'20" E	Visrampur
Mahanadi	153.7 KANKER	20°23'28" N	Granite Gneiss	81°40'38" E	Dabena
Mahanadi	10.76 MAHASAMUND	21°16'10" N	Granite Gneiss	82°49'35" E	Basna
Mahanadi	146.24 MAHASAMUND	21°16'10" N	Granite/Granodiorite	82°49'35" E	Basna EW
Mahanadi	7.6 MAHASAMUND	21°16'10" N	Granite Gneiss	82°49'15" E	Basna S
Mahanadi	11.65 MAHASAMUND	21°15'30" N	Gneiss/Amphibolite/Gra	82°50'20" E	Chhannanpur
Mahanadi	127.96 MAHASAMUND	21°20'0" N	Granite/Granodiorite	82°46'30" E	Jagdishpur
Mahanadi	132.53 MAHASAMUND	21°15'11" N	Granite/Granodiorite	82°54'43" E	Kharora EW
Mahanadi	205.62 MAHASAMUND	21°17'30" N	Limestone Cavernous	83°2'10" E	Paikin EW
Mahanadi	127.06 MAHASAMUND	21°14'0" N	Shale With Limestone/Sa	82°58'30" E	Pandapara EW
Mahanadi	150.81 MAHASAMUND	21°17'40" N	Granite/Granodiorite	82°52'40" E	Pousara EW
Mahanadi	141.67 MAHASAMUND	21°18'48" N	Granite/Granodiorite	82°48'30" E	Rasoda EW
Mahanadi	50 MAHASAMUND	21°12'55" N	Basic Dyke/Pipe/Sill	82°43'50" E	Saldih EW
Mahanadi	150.8 MAHASAMUND	21°18'20" N	Granite/Granodiorite	82°56'0" E	Shinghanpur EW
Mahanadi	125 RAIPUR	19°56'0" N	Granite/Granodiorite	82°22'0" E	Amlipadar EW
Mahanadi	132 RAIPUR	20°1'30" N	Granite/Granodiorite	82°24'0" E	Burgal tappa
Mahanadi	49 RAIPUR	19°53'15" N	Granite/Granodiorite	82°39'0" E	Deobhog
Mahanadi	7.16 RAIPUR	19°53'15" N	Gneiss/Amphibolite/Gra	82°39'0" E	Deobhog
Mahanadi	177 RAIPUR	19°53'15" N	Granite/Granodiorite	82°39'0" E	Deobhog EW
Mahanadi	8.7 RAIPUR	19°54'0" N		82°40'0" E	Deobhog_53
Mahanadi	7.35 RAIPUR	19°55'10" N	Gneiss/Amphibolite/Gra	82°39'0" E	Girsul EW
Mahanadi	9.25 RAIPUR	19°58'0" N	Granite/Granodiorite	82°30'15" E	Gohrapadar
Mahanadi	60.82 RAIPUR	19°58'15" N	Granite/Granodiorite	82°30'15" E	Gohrapadar - 1
Mahanadi	RAIPUR	20°4'30" N	Granite/Granodiorite	82°22'15" E	Indagaon
Mahanadi	96 RAIPUR	20°14'11" N	Compact Sandstone	82°20'51" E	Kulhadighat EW
Mahanadi	8.1 RAIPUR	19°55'40" N	Granite/Granodiorite	82°37'30" E	Mundagaon
Mahanadi	10.8 RAIPUR	20°11'0" N	Granite/Granodiorite	82°15'45" E	Taurenga
Mahanadi	11.62 RAIPUR	20°11'30" N	Granite/Granodiorite	82°15'50" E	Taurenga1 PZ
Mahanadi	30.42 RAIPUR	19°53'0" N	Basic Rocks	82°32'0" E	Urmal EW
Mahanadi	50.2 RAIPUR	19°53'0" N	Basic Rocks	82°32'0" E	Urmal OW
Mahanadi to Gar	9.93 JASHPUR	22°50'58" N	Granite Gneiss	84°8'52" E	Balachhappar
Mahanadi to Gar	10 JASHPUR	22°50'30" N	Granite Gneiss	84°11'10" E	Ichkela EW
Mahanadi to Gar	10.35 JASHPUR	22°54'32" N	Granite Gneiss	84°12'25" E	Jakba
Mahanadi to Gar	12.25 JASHPUR	22°53'0" N	Granite/Granodiorite	84°8'20" E	Jashpurnagar
Mahanadi to Ganges Water	JASHPUR	22°53'0" N		84°8'0" E	Jsnagar_50
Mahanadi to Gar	22.9 JASHPUR	22°59'45" N	Granite/Granodiorite	84°3'30" E	Manora EW

Mahanadi to Gar	7.79	JASHPUR	22°57'0" N	Granite/Granodiorite	84°16'55" E	Rupsera
Mahanadi to Gar	119.08	JASHPUR	22°58'20" N	Granite/Granodiorite	84°1'50" E	Sarkardih
Narmada	9.85	KAWARDHA	22°10'0" N	Schist/Talc	81°3'30" E	Chilpi