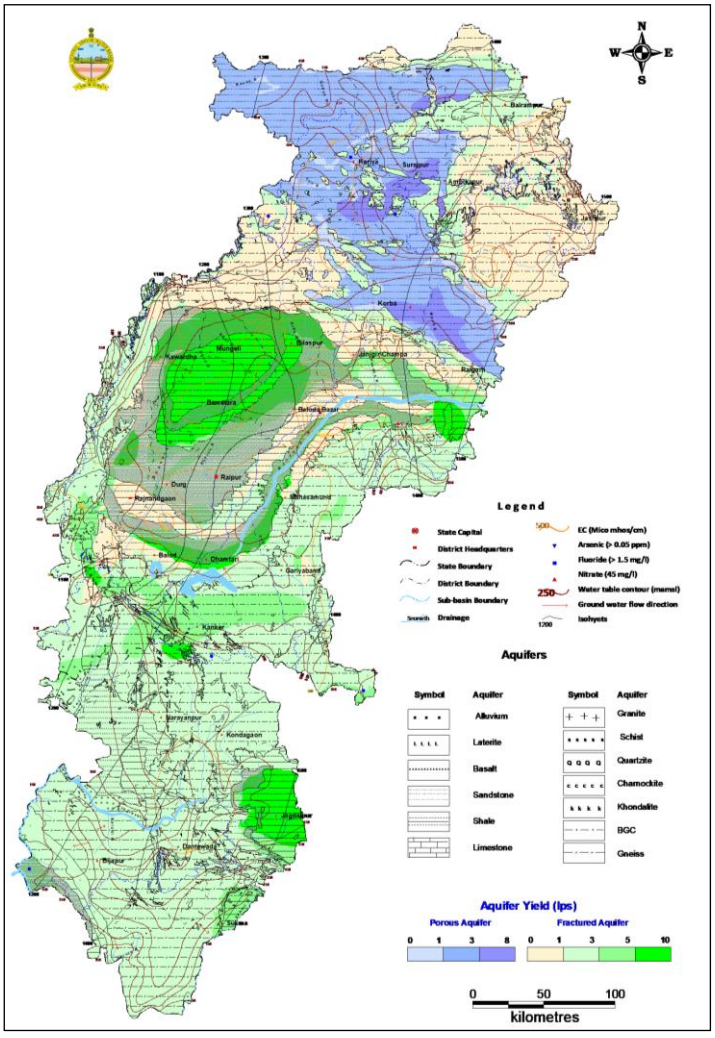
GOVERNMENT OF INDIA
MINISTRY OF WATER RESOURCES RIVER DEVELOPMENT AND GANGA REJUVENATION
CENTRAL GROUND WATER BOARD

GROUND WATER YEARBOOK OF CHHATTISGARH 2021-22



North Central Chhattisgarh Region
Raipur
September 2022

FOREWORD

Central Ground Water Board, the Apex Organization, has been entrusted with the mission to develop and disseminate technologies for scientific and sustainable development and management of Ground Water Resources of the country. The National Ground Water Regime Monitoring Programme has become one of the most important and frontal activities of the Board. The monitoring programme was initiated in a small way in 1970 by establishing one station per Degree Sheet and has been continuously strengthened ever since, with a view to create high-density regional network so as to obtain the comprehensive scenario of ground water regime. High priority is accorded for accomplishing the measurements within the stipulated time during each monitoring schedule.

Central Ground Water Board monitors ground water levels four times in a year i.e., during May, August, November and January, through a network of Ground Water Monitoring Wells (GWMWs) for effective planning, management and maintenance of quality of the ground water resources and a total of 1295 Monitoring wells including 173 nos. of Piezometers are being monitored in Chhattisgarh State. The data collected from monitoring wells for each monitoring schedule is compiled, processed and the salient features are brought out as a "Ground Water Yearbook" issued once in a ground water year depicting temporal as well as spatial changes in ground water regime during the preceding year.

This report pertains to the ground water regime scenario in the state of Chhattisgarh State for the year 2021-2022. It gives an overview of the status of ground water levels monitored, Pre & Post monsoon fluctuation and fluctuation between two consecutive seasons, long term changes in water level and the chemical quality of the ground water of the year 2021.

The ground water regime monitoring work is a joint endeavor of all the officers and staff of this region and their contribution in this activity is highly appreciated. The preparation of this report is mainly due to the untiring efforts of Smt. Priyanka B. Sonbarse, Scientist "C" and the efforts by Miss. Sweta Mohanty, AHG. under the guidance of Sh. Prabir K. Naik, Regional Director, CGWB, NCCR. I acknowledge the cooperation. Shri A.K.Biswal, Sc'E' for guidance during the preparation of year book. The Chemical inputs for this report were given by Sh. Rakesh Dewangan, Sc "C" (Chemical) and Smt Anita Bind, STA (Chemical).

I hope that the State Government and other user agencies would utilise the data incorporated in the report for proper planning of the ground water resources development and management activities in the Chhattisgarh State.

30/09/2022.

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GROUND WATER YEARBOOK OF CHHATTISGARH STATE (YEAR 2021-22)

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GROUND WATER YEAR BOOK OF CHHATTISGARH STATE (YEAR 2021- 22)

EXECUTIVE SUMMARY

Chhattisgarh is the 10th largest state of India endowed with natural resources and thick forest cover. It is basically a backward, agrarian and tribal dominated state. It has been divided into 27 districts and 146 development blocks with 20306 numbers of villages and 168 towns. Demographically it is the 16th largest state of India with a total population of 2,55,40,196 comprising 50.22% male and 49.78% female population. Nearly 80 % of the total population lives in rural areas.

Physiographically, the state of Chhattisgarh can be divided into 3 distinct units namely; 1) Bastar plateau in southern part 2) Chhattisgarh Plain in central part and 3) Northern hills in northern part. These three units have their own distinctive characteristics and form part of three basins namely Ganga, Mahanadi and Godawari basins. About 66 % network stations fall in Mahanadi basin, 19 % fall in Ganga Basin, 12 % fall in Godawari basin. Central Ground Water Board, Central Region, Raipur has set up a network of 1295 observation wells known as the Ground Water Monitoring Wells (GWMW's) located all over Chhattisgarh which comprises 1122 dug wells and 173 piezometers.

Chhattisgarh receives rainfall starting from the month of June and extending till September. Depressions and low-pressure systems form in the Bay of Bengal, which then move in the north-westerly direction crossing Orissa/Bengal coast. The monsoon sets in around 10th June in the southern most point of Dantewada district and finally extends over the entire area by 25th June. Rainfall during July and August is high (about 350- 400 mm) at all places. It is assured and stable till mid September. The monsoon normally starts withdrawing from northern part from 15th September and withdraws from the entire area by 1st October.

The hydrogeological framework of Chhattisgarh state consists of both fracture and porous aquifer. Based on the prevailing porosity and on the basis of hydogeological properties of these aquifer system the rocks of the state have been divided into two broad types, (1) fractured aquifer and (2) porous aquifer.

During May 2021, 1035nos. of ground water samples were collected from monitoring wells and analysed in chemical lab of North Central Chhattisgarh Region Raipur. The Ground

water level scenario during a hydrological year. The existing monitoring wells were monitored four times, i.e., during May (pre-monsoon), August (to assess the impact of monsoon on the ground water resources), October/November (to assess the cumulative effect of ground water recharge and withdrawal of ground water for various purposes), and January (to assess the effect of withdrawal for Rabi crops).

For data analysis, preparation of maps and interpretation purposes, the depth to ground water data (DTW) was categorized into various ranges beginning with less than 2 m, 2-5 m, 5-10 m, 10-20 m, & more than 20 m. (a) During May 2020, about 49.5 % of wells distributed all over the Chhattisgarh have recorded depth to water within 10 mbgl. Deeper water levels ranging between 10 - 20 and 20 - 40 m bgl occur respectively in 6.79% and 0.58% of the observation wells only in parts of Bilaspur, Bastar, Kawardha, Korba districts. b) August 2021, about 95.2 % of the wells in state recorded depth to water level within 10 mbgl. Deeper water levels ranging from 10-20 mbgl are recorded in 2 % of wells. Depth to water level of more than 20 mbgl is noticed in only 1 % of the wells in Shallow aquifer of Raigarh District. c) During November 2021 (post monsoon), about 97 % wells distributed all over the Chhattisgarh have recorded depth to water within 10 mbgl. Deeper water level ranging from 10-20 mbgl is recorded in 2 % of the wells. Depth to water level of more than 20 mbgl is noticed in only 1% of the wells as patches in parts of Bilaspur districts. d) during January 2021, about 95 % of wells distributed all over the Chhattisgarh have recorded depth to water level within 10 mbgl. Deeper water level is noticed in Gariyaband Piezometer, Bilaspur District. It has been observed that, there is a progressive rise in DTW from May-2021 to Aug-2021 due to monsoon rainfall recharge and fall in DTW has been observed from Nov-2021 to January-2022, as ground water naturally flows out as base flow or is utilised for agriculture.

The declining trend during Premonsoon season indicates that the aquifer is being de-watered every year either due to deficient rainfall or the ground water developmental activities in the area, whereas the rising trend indicates that either the developmental activities have reduced or the recharge due to other sources such as applied irrigation has increased.

The chemical analysis of 1035 nos. of Ground Water Samples collected during May 2021 shows that the chemical quality of the ground water is suitable for drinking, domestic, industrial and agriculture uses in most of the places whereas in few places instinct of contamination is observed that is due to local phenomena.

Ground Water Yearbook of Chhattisgarh State
Year (2021-22)

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 tribal 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 whereas piezometers represent the shallow un-confined as well as deeper semi-confined aquifer system. The network of observation stations forms 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 2021, a network of **1295** 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 hydro geological 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 2021 to January 2022 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.

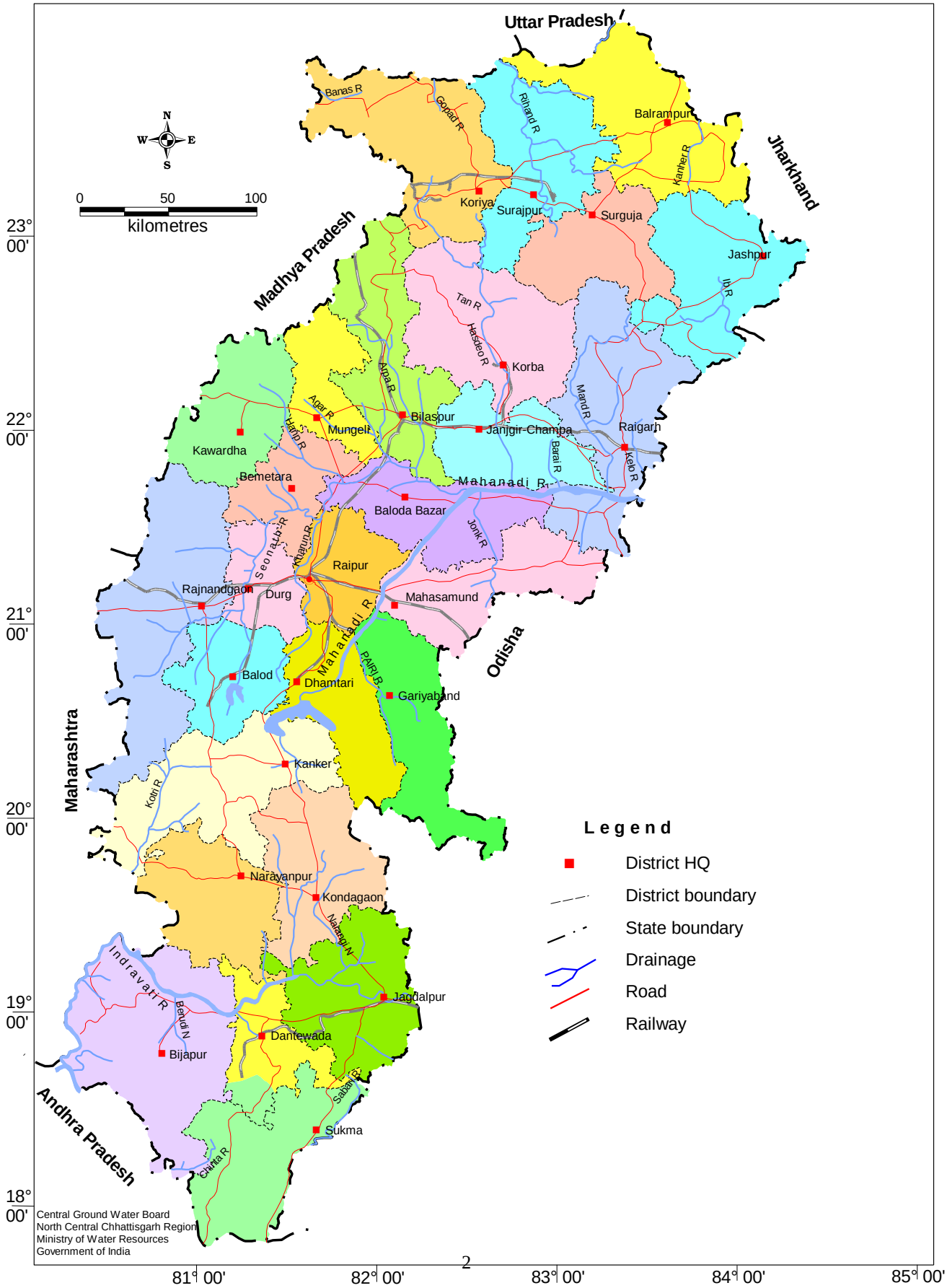


Fig 1.1 Administrative divisions of Chhattisgarh State

2. GEOMORPHOLOGY

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.

The 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.

The Chhattisgarh Plain

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 matures Pediplain with remnants of few isolated hills and ridges in between flood plains of numerous tributaries of Mahanadi River system. It is characterized 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.

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/pediplains, 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 Sarguja and Koriya districts. **Fig. 2.1** shows the physiography and drainage pattern existing in the area.

Table 2.1: Major River Basins in Chhattisgarh State

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, Ramgarh 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

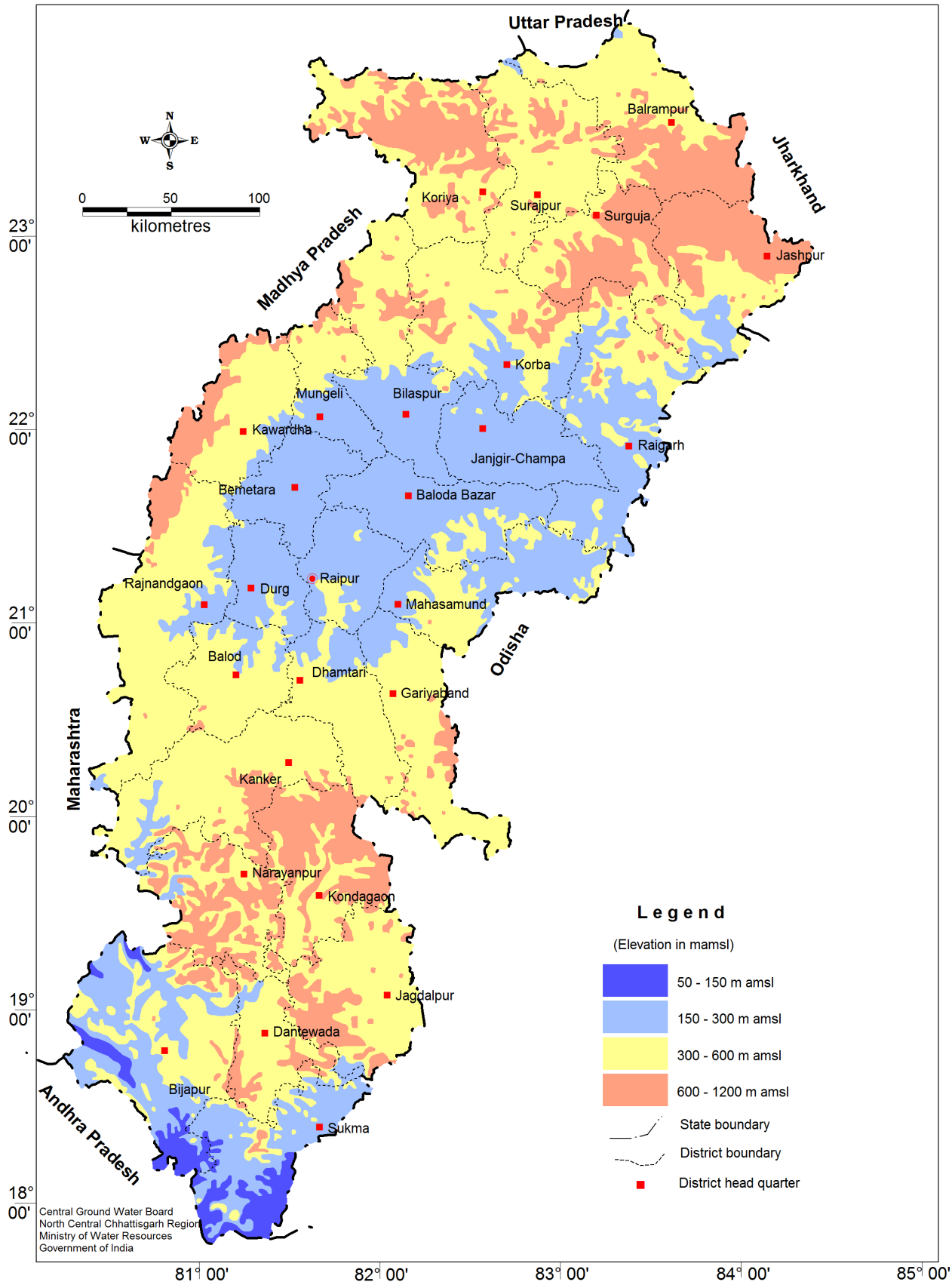


Fig 2.1 Physiography of Chhattisgarh State

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 meager (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 five years.

Table 3.1 DISTRICT WISE AVERAGE ANNUAL RAINFALL (mm) OF CHHATTISGARH

SN	District	2012	2013	2014	2015	2016	2017	2018	2019	Average
1	Balod	992.2	1411.7	1250.5	831	1527.4	1425	1246.5	952.6	1204.61
2	Balodabazar	1227.5	1278.3	1291.4	814.3	855.2	690.9	1043.4	813.1	1001.76
3	Balrampur	1199.8	867.1	970.4	1043.8	1339.9			885.7	1051.12
4	Bastar	1770.8	1540.1	1150.7	1262.4	1821.6	1583.1	1460.1	1831.9	1397.67
5	Bemetara	1148.8	1353.4	1204.4	955.8	1147.4	1162.7	1427.3	894.7	1161.81
6	Bijapur	1904.4	2418.2	1389.7	1436.1	1693.8	1241.3	2126.6	2058.3	1663.72
7	Bilaspur	1230.7	1229	1129.9	959.6	1126.9	944.9	941.6	1091	1054.10
8	Dantewara	1528.8	1607.6	910.4	985.4	1470.7	1315.1	1322.1	1517.5	1365.95
9	Dhamtari	1096.3	1436.2	1254.6	873.7	1165.2	1181.8	1268	1075.3	1189.48
10	Durg	1154.4	1330.5	1057.5	846	1180.2	845	1163.7	777.3	1068.81
11	Gariyaband	1283.1	1358.8	1245.3	865.1	1085.9	845	1211.3	1117	1126.44
12	Janjgir-Champa	1153.5	1282.6	1273.7	987.6	1320.1	985.9	935.7	870	1143.55
13	Jashpur	953.2	898.5	792.1	855	1139.8	1250.6	1075.9	802.9	1218.22
14	Kanker	1368.1	1591.6	1550.5	1221.6	1819.2	1145	1384.9	757.1	1391.38
15	Kawardha	753.8	855.3	1083.3	797.8	894.8	1448.2	871.6	1172.9	973.82
16	Kondagaon	1352.8	1540.8	1542.8	1149.2	1655.3	1288	1271.4	1471.3	1408.95
17	Korba	1236.8	1131.3	1227.2	994.9	1314.8	1203.6	1054.8	974.2	1278.71
18	Koriya	1291	1280	1192.6	637.2	1229.3	752.4	946.8	879.3	1169.83
19	Mahasamund	1391.2	1355.7	1440.9	894	1212.6	951.1	1091.3	1088.7	1135.76
20	Mungeli	1091	1342.2	1040.6	124	894.5	790.7	915.8	739.4	867.28
21	Narayanpur	1474.7	1545.1	1408.6	1544	1793.6	1048.7	1422.3	1700.9	1418.35
22	Raigarh	1071.8	1152.9	1092.4	1157.2	1252.4	1020.6	1093.2	1023.5	1189.42
23	Raipur	1221.8	1655.8	1163.5	932.8	1198.4	867.4	1405.4	906.6	1068.77
24	Rajnandgaon	1044.6	1505.5	1154.4	773.5	1104.2	799.4	933.2	814.3	1075.81
25	Sarguja	994.3	1008.6	828	905.3	1507.5	1453.6	1230.5	765.1	1201.62
26	Sukuma	2062.2	1756.4	1369.7	1640.3	1459	1779.8	1781.4	1513.5	1670.29
27	Surajpur	943.4	1084.5	916.6	753.3	704.9	1108.3	1195.3	1103.9	976.28
		1257.074	1363.619	1182.656	971.8852	1293.133	1120.312	1223.85	1096.222	1196.22
Chhattisgarh										

Source: India Meteorological Department (IMD)

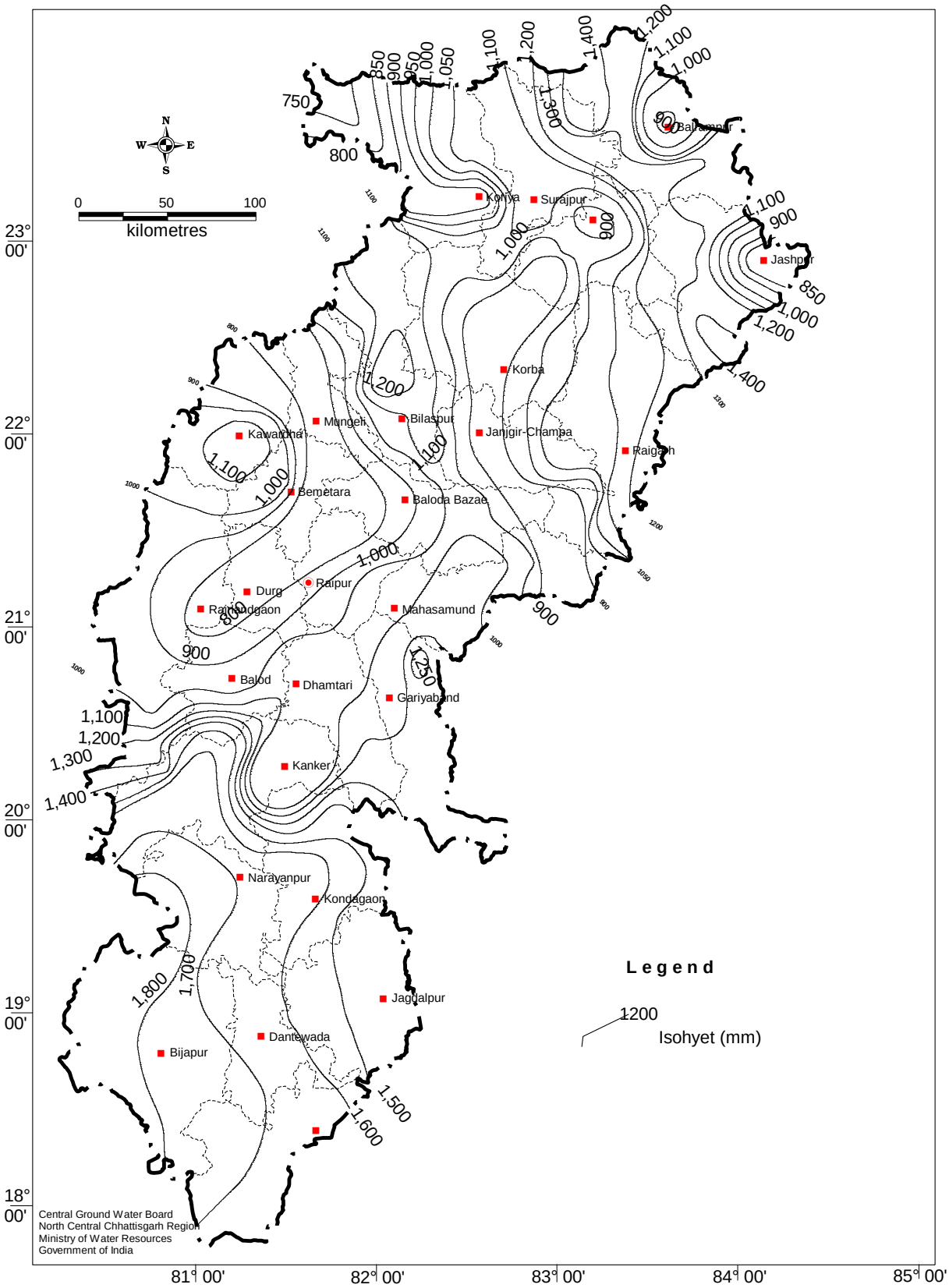


Fig 3.1 Rainfall Map of Chhattisgarh state

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 up to 46^0C. The winter season lasts till end of February. January is the coldest month with the mean daily maximum temperature at 30°C and the mean daily minimum temperature at 10.2°C. In Raipur area, the average temperature varies from 13°C during winter to 46°C in summer. However, in the plateau areas on the northern part, the variation was from 10°C in winters to 39°C 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 color 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 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

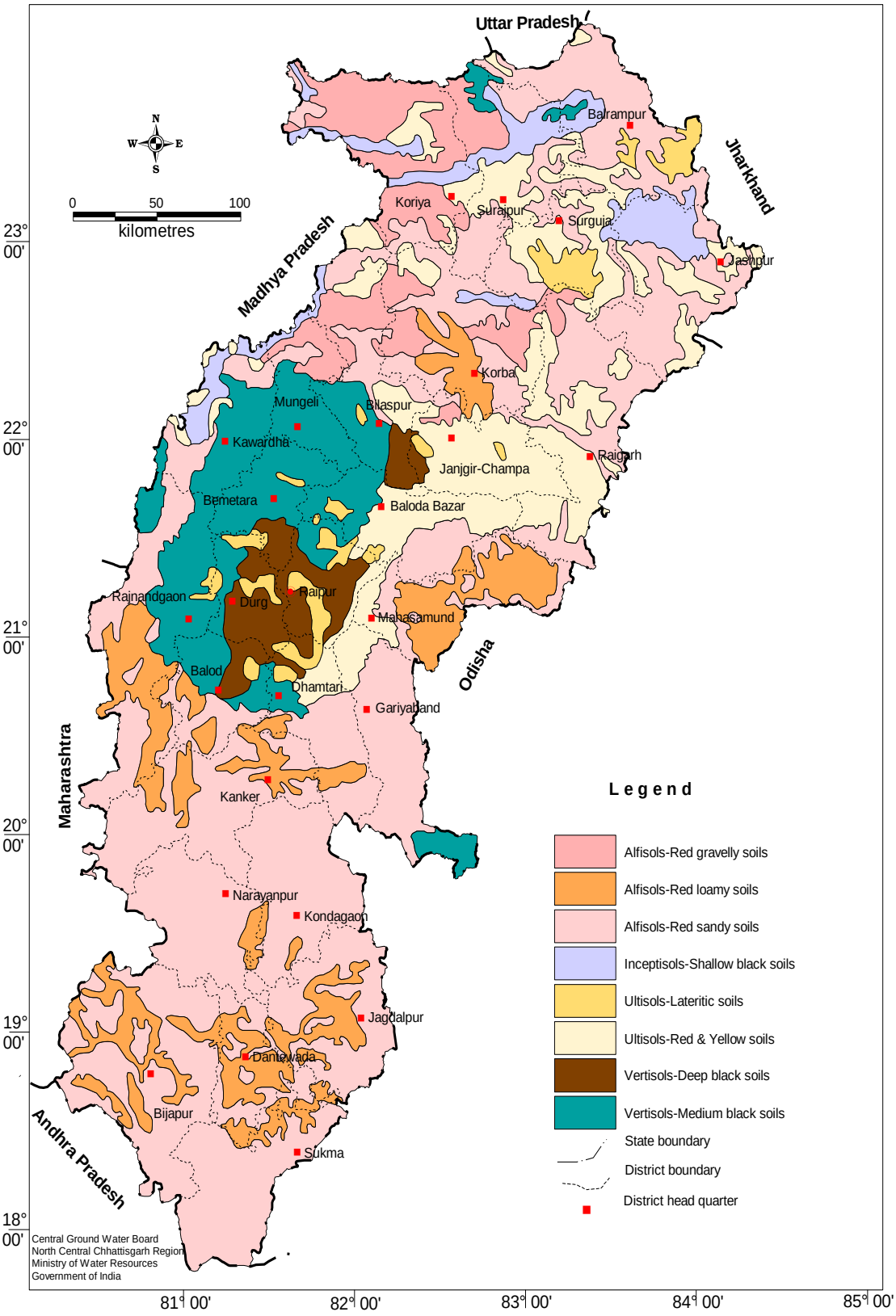


Fig 4.1 Distribution of soil in the State

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 (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 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.

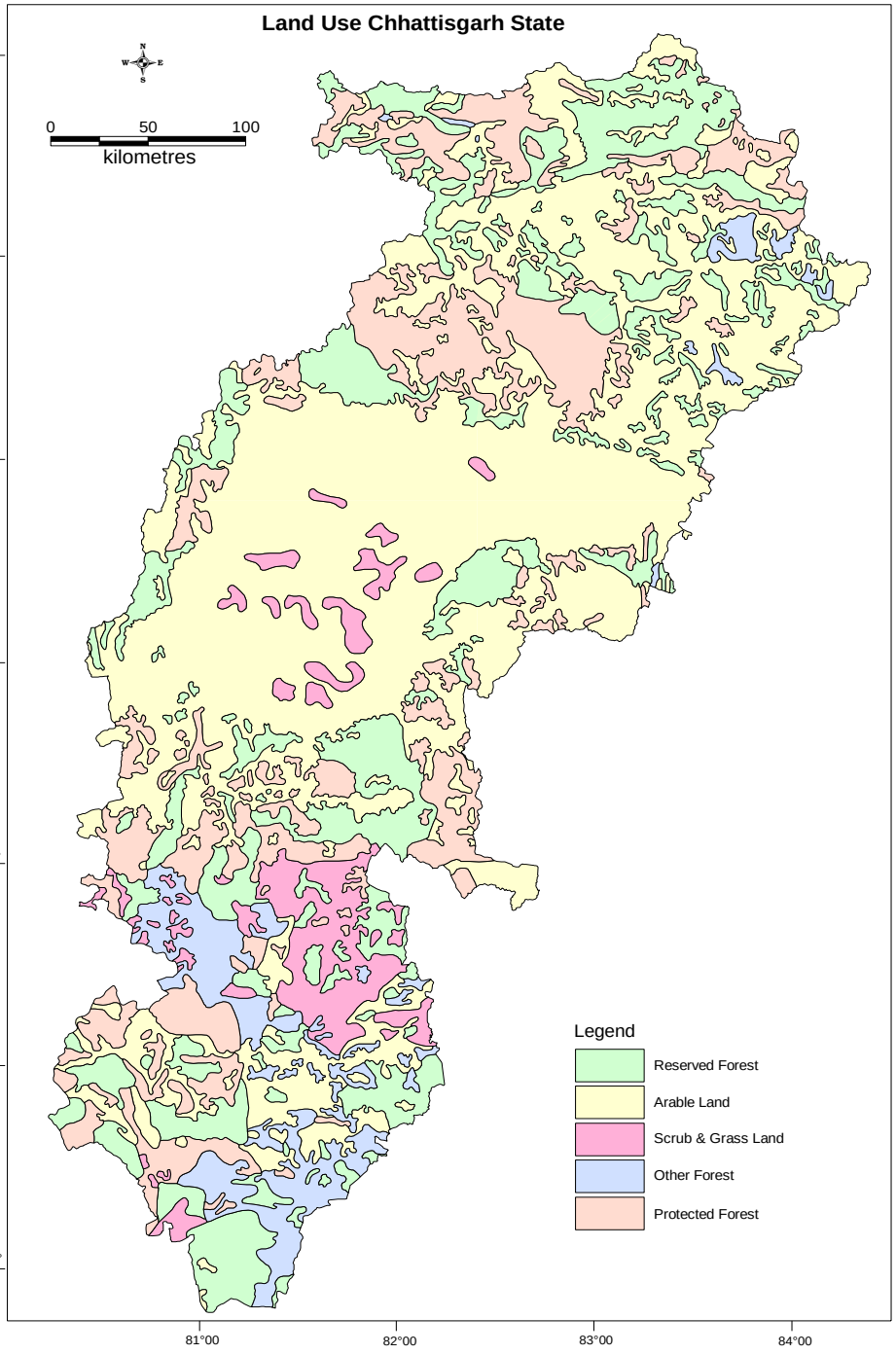


Fig 4.2 Landuse map of the State

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 crystalline rocks comprise 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 crystalline. 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.

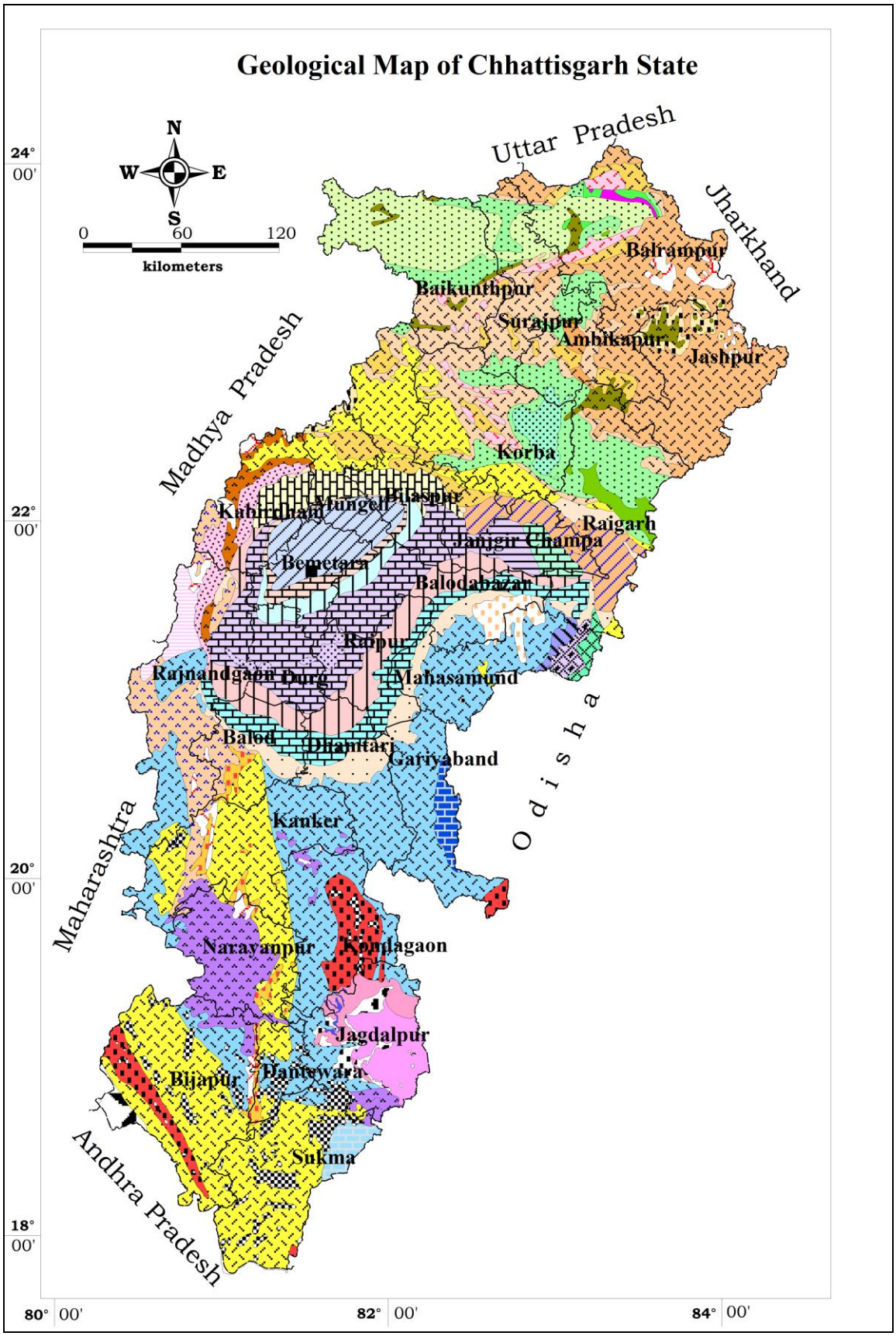
The rocks belonging to Gondwana Supergroup are the third major litho-unit in the area. The sandstone shows primary and occasional secondary porosity. They form thick and extensive unconfined to confined aquifers extending to a depth of 300 mbgl. At some places free flow conditions are existing and at places the temperature goes up to 50^0C. 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 Paleozoic	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, sandstone, silt stone, shale Schist, phyllite, slate, gneiss, marble, BHQ.
Azoic	Basement crystalline Basement crystalline	Charnockite, Khondalite, granulite, gneisses and meta sediments Granites, gneisses and associated basic and ultra-basic intrusive

The unconsolidated formation of Quaternary age comprise of 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.**


Geological Map of Chhattisgarh State
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kilometers
Uttar Pradesh
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Maharashtra
Andhra Pradesh
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Surajpur
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Jashpur
Korba
Kabirdham
Mungeli
Bilaspur
Raigarh
Janjgir Champa
Bemetara
Balodabazar
Raipur
Rajnandgaon
Durg
Mahasamund
Balod
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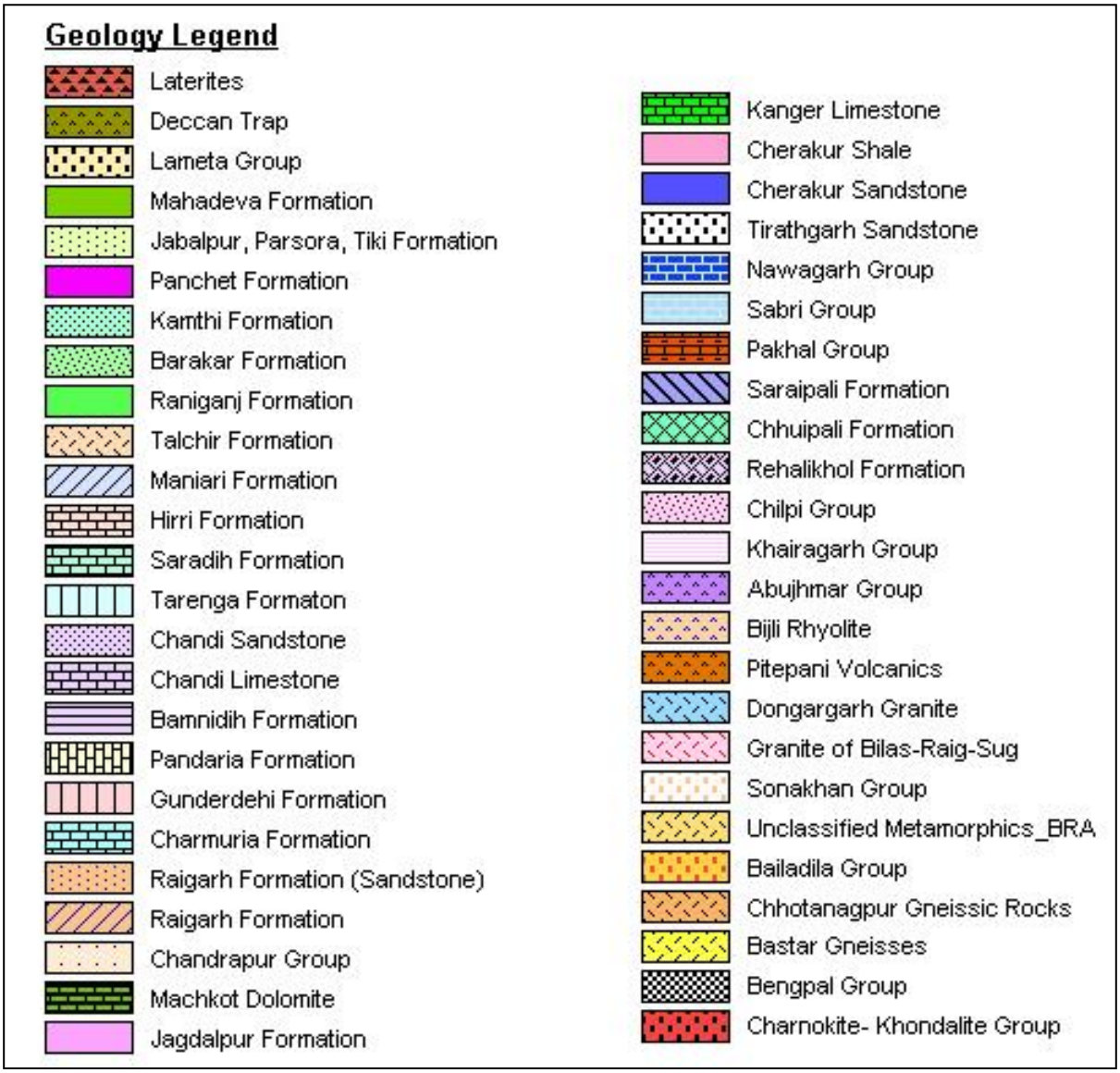

5.1 Consolidated Formations

The consolidated formations include the crystalline 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 discontinues 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.

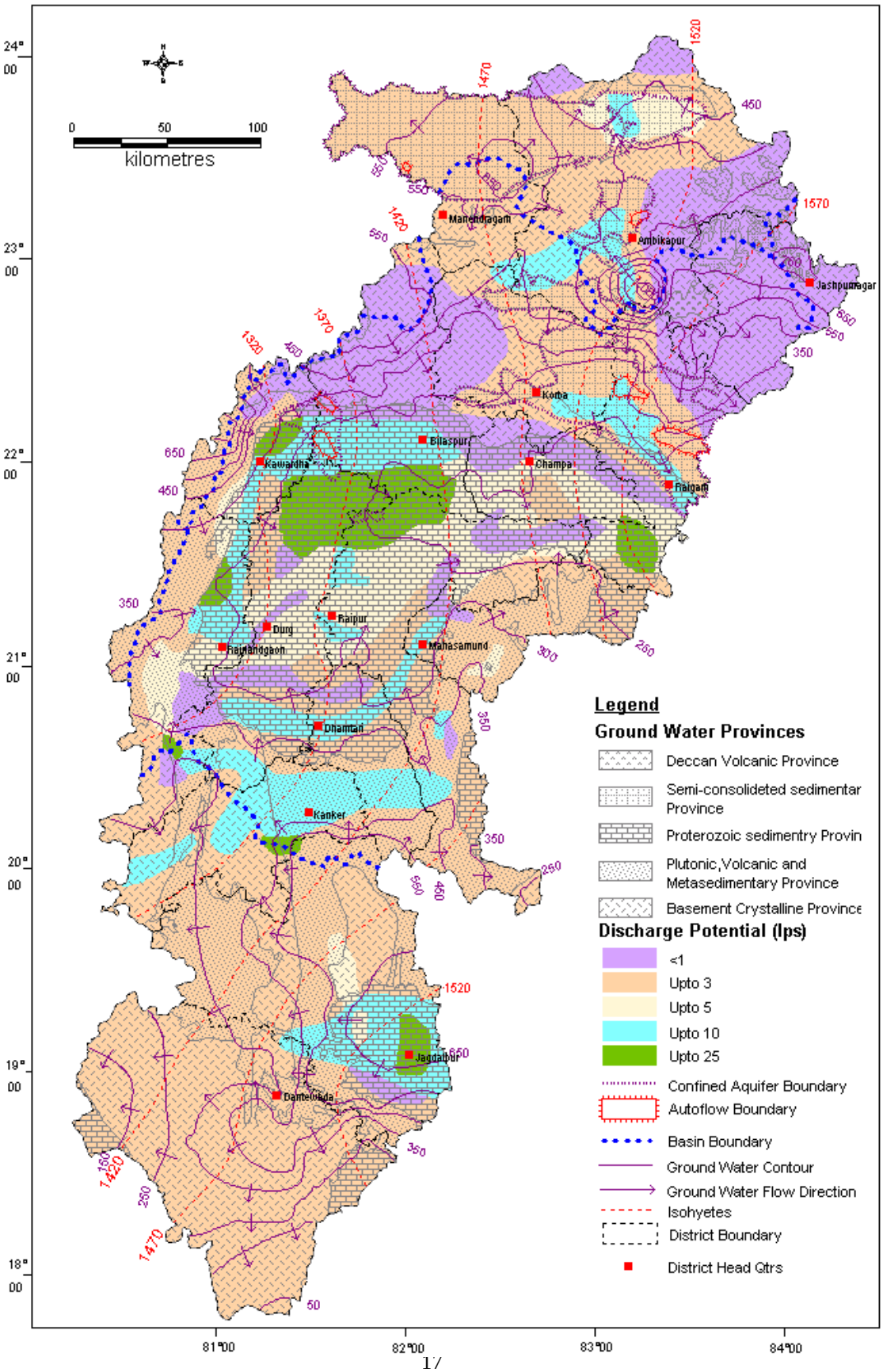

Fig. 5.2: Hydrogeological map of Chhattisgarh State

6. GROUND WATER REGIME MONITORING

Ground water level is not static. It is always under the influence of time-dependent 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 2022, a total of 1295 number of observation wells, which included both dug wells (1122) and piezometers (173) 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 31st of the month - represents water level of Pre-monsoon period.***

August ***- 21st to 31st 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 2017 (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 1295.Out of these 1122 are dug wells tapping the shallow aquifer and 173 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 & 6.1.1**.

Table 6.1 District-wise distribution of the hydrograph network stations

Sl No	Name of the District	Total No. of Ground Water Monitoring Wells (As on 31, March 2021)			Total No. of Ground Water Abandoned Wells up to March 2022)			Total No. of Ground Water Monitoring Wells Established			Total No. of Ground Water Monitoring Wells (As on 31, March 2022)		
		DW	PZ	Total	DW	PZ	Total	DW	PZ	Total	DW	PZ	Total
1	Bastar	78	13	91	10	9	19				68	4	72
2	Bilaspur	119	17	136	8	4	12				111	13	124
3	Dhamtari	49	10	59	1		1				48	10	58
4	Durg	132	45	177	3	23	26				129	22	151
5	Janjgir-Champa	52	13	65	1	3	4				51	10	61
6	Jashpur	71	10	81	1	1	2				70	9	79
7	Kanker	33	3	36	0	2	2				33	1	34
8	Kawardha	19	9	28	0		0				19	9	28
9	Korba	80	30	110	2	17	19				78	13	91
10	Koriya	53	6	59	0		0				53	6	59
11	Mahasamund	35	20	55	0	5	5				35	15	50
12	Raigarh	123	20	143	4	12	16				119	8	127
13	Raipur	121	38	159	2	6	8				119	32	151
14	Rajnandgaon	80	13	93	3	8	11				77	5	82
15	Surguja	112	21	133	0	5	5				112	16	128
	Total	**1157**	**268**	**1425**	**35**	**95**	**130**				**1122**	**173**	**1295**

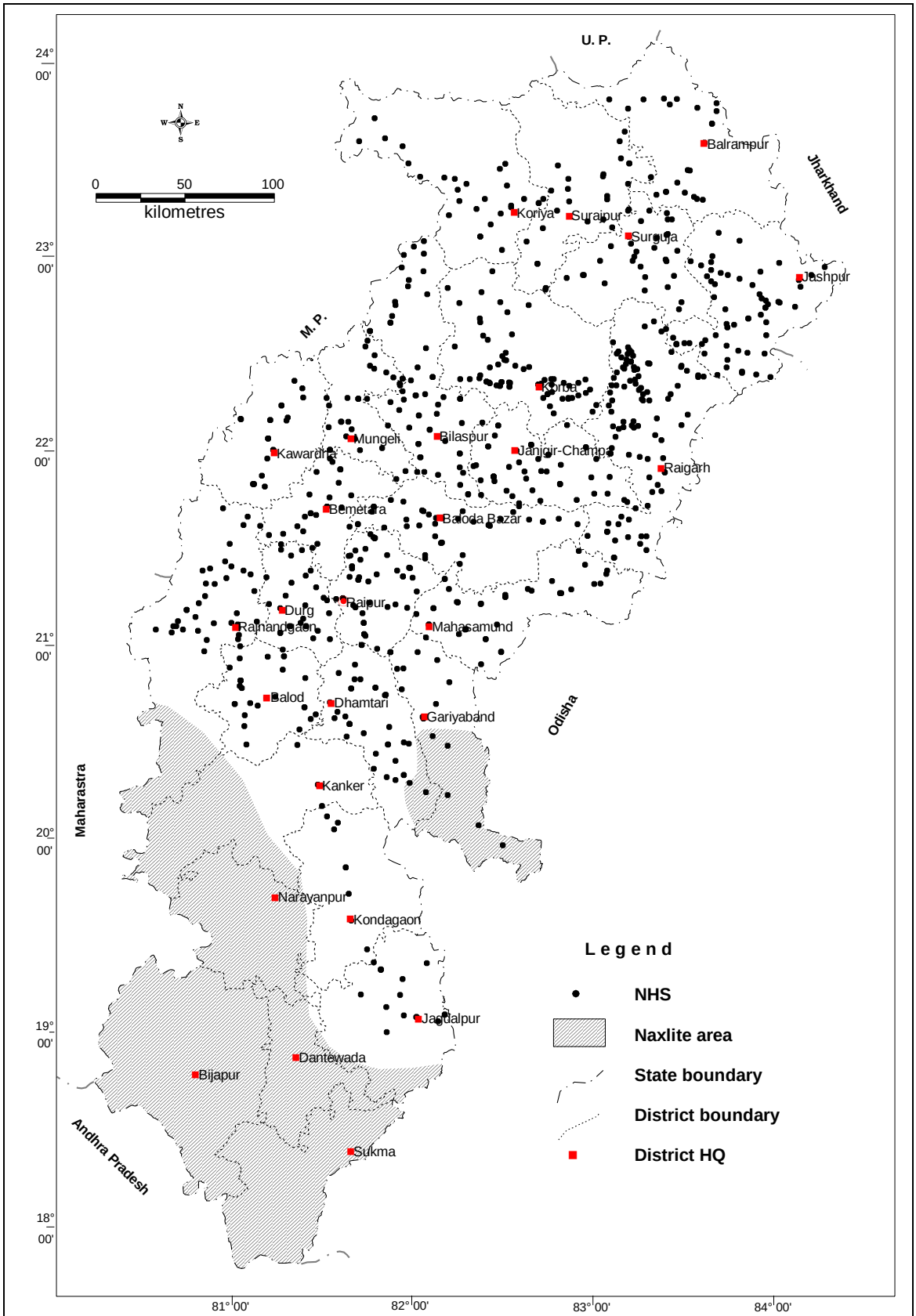

Fig 6.1 Location of NHS monitoring stations, Chhattisgarh State

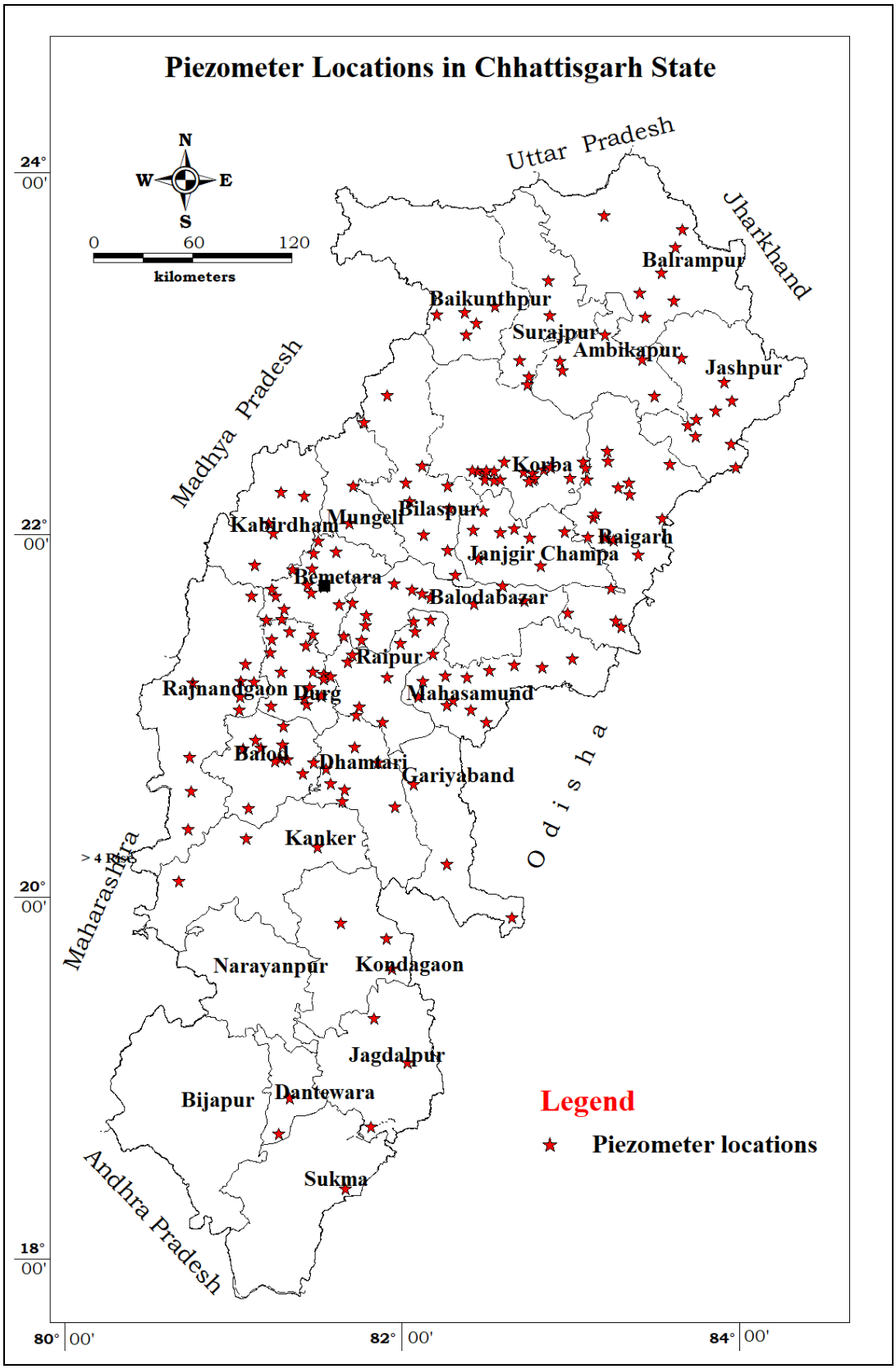

Fig 6.1.1: Piezometer Location Map of Chhattisgarh State.

7. ANALYSIS OF WATER LEVELS

The ground water levels observed over a period provides valuable information on the behavior of the ground water regime, which is constantly subjected to changes due to recharge and discharge phenomena. A balance between these two factors is resulting 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 2021-22 was analyzed 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 behavior of the ground water level on long-term basis.

7.1 Depth to Water Level

Due to lockdown and current Covid situation al wells are not monitored, maps and data table results are prepared on the basis of available data.

7.1.1 May 2021

In general, the depth to water level ranges ranges 0 to 2 m bgl is observed in approximately 13.01 % of the wells, 2 to 5 m bgl is observed in approximately 43.06 % of the wells and depth to water level range up to 10 m bgl is observed in 36.56 % of the wells in the state. Deeper water levels ranging between 10 - 20 and 20 - 40 m bgl occur respectively in 6.79% and 0.58% of the observation wells only in parts of Bilaspur, Bastar, Kawardha, Korba districts. The deepest water level of 33.89 m bgl was monitored in Ganiyari Pz (piezometer) of Takhatpur block of Bilaspur district.

90 numbers of wells (approximately 13.01% 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 298 of the observation wells monitored. The highest percentages of wells in this range are in Raigarh (70.41%), Dhamtari (55%), Mahasamund (52.17%), Durg (52.33%), Raipur (51.02%), Jashpur (50.82%) and Bastar (41.67%) districts. Nearly 43.06% of observation wells are exhibiting water level in the range of 2 – 5 m bgl in most of the districts of the state.

The district wise frequency distribution of different ranges of depth to water level is furnished in Annexure-I. District wise distribution of percentage of observation wells at different ranges of depth to water level as observed in May 2021 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' 2021									
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**	**0-2**	**2-5**	**5-10**	**10-20**	**20-40**	**> 40**
BASTAR	24	1.50	10.20	1 4.17%	10 41.67%	12 50.00%	1 4.17%	0	0
BILASPUR	89	1.40	33.89	3 3.37%	23 25.84%	44 49.44%	18 20.22%	1 1.12%	0
DHAMTARI	20	1.05	6.92	7 35.00%	11 55.00%	2 10.00%	0	0	0
DURG	86	0.25	12.57	23 26.74%	45 52.33%	15 17.44%	3 3.49%	0	0
JANJGIR - CHAMPA	36	1.25	12.80	9 25.00%	8 22.22%	17 47.22%	2 5.56%	0	0
JASHPUR	61	1.10	17.18	1 1.64%	31 50.82%	26 42.62%	3 4.92%	0	0
KANKER	7	1.80	8.45	1 14.29%	2 28.57%	4 57.14%	0	0	0
KAWARDHA	10	4.27	23.90	0	2 20.00%	5 50.00%	0	3 30.00%	0
KORBA	58	1.00	14.00	3 5.17%	16 27.59%	33 56.90%	6 10.34%	0	0
KORIYA	32	0.50	11.60	4 12.50%	15 46.88%	10 31.25%	3 9.38%	0	0
MAHASAMUND	23	0.90	6.18	8 34.78%	12 52.17%	3 13.04%	0	0	0
RAIGARH	98	0.65	8.35	6 6.12%	69 70.41%	23 23.47%	0	0	0
RAIPUR	49	1.05	8.15	19 38.78%	25 51.02%	5 10.20%	0	0	0
RAJNANDGAON	31	1.46	13.78	2 6.45%	11 35.48%	16 51.61%	2 6.45%	0	0
SURGUJA	68	1.70	19.05	3 4.41%	18 26.47%	38 55.88%	9 13.24%	0	0
Total	**692**	**0.25**	**33.89**	**90**	**298**	**253**	**47**	**4**	**0**

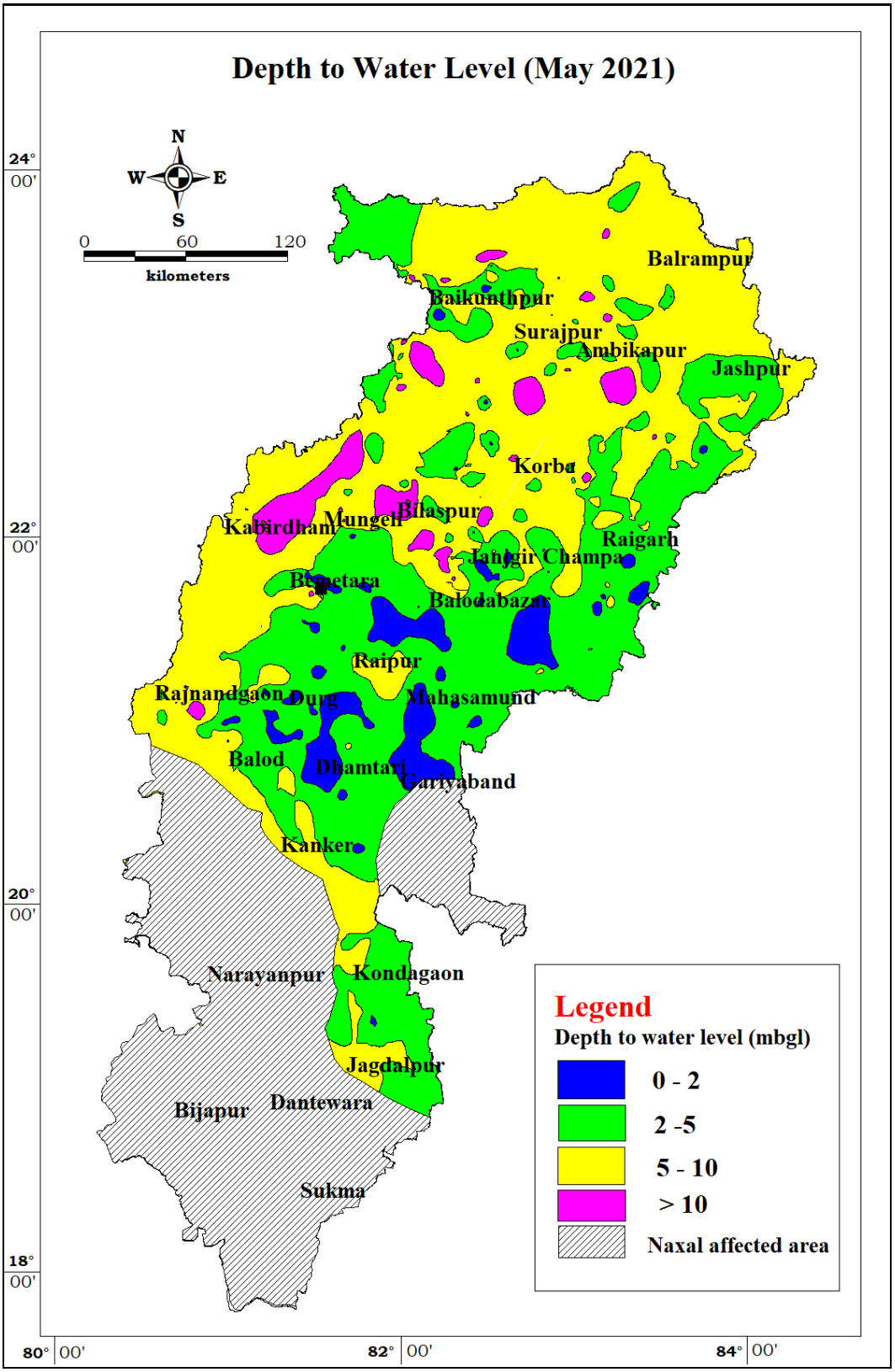

Fig 7.1 Depth to Water Level Map (May' 2021)

7.1.2 August 2021

In general, the depth to water level range up to 2 mbgl is observed in approximately 34.2% of the wells and depth to water level range up to 5 mbgl is observed in approximately 44.6% of the wells in the state. Deeper water levels ranging between 5 and 10 mbgl occur only in 18.47 % of the observation wells and mostly in parts of Bilaspur, Janjgir-Champa, Korba, Kawardha, Rajnanadgaon, Kanker and Mahasamund districts. The deepest water level of 33 m bgl was monitored in Baramkela S observation well (Shallow piezometer) of Raigarh district.

250 numbers of wells (approximately 34.2% of the monitored wells) in the state are showing water levels between 0-2 mbgl in almost all the distrcts of Chhattisgarh State. Water levels in the range of 2-5 mbgl are recorded in about 326 of the observation wells monitored (approximately 44.6%). The highest percentages of wells in this range are in Koriya (60%), Surguja (58.57%), Janjgir-Champa (52.38%) Kawardha (50%) and Korba (50.85%) districts. Nearly 18.47 % 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**. District wise distribution of percentage of observation wells at different ranges of depth to water level as observed in August 2021are 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 different ranges of depth to water level in August' 2021

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 - 2	2 - 5	5 - 10	10 - 20	20 - 40	> 40
BASTAR	25	0.70	11.99	9 36%	11 44%	4 16%	1 4%	0	0
BILASPUR	80	0.90	30.58	9 11.25%	29 36.25%	37 46.25%	4 5%	1 1.25%	0
DHAMTARI	34	0.80	7.80	23 67.65%	9 26.47%	2 5.88%	0	0	0
DURG	84	0.56	27.75	41 48.81%	30 35.71%	10 11.90%	1 1.19%	2 2.38%	0
JANJGIR - CHAMPA	42	0.70	10.28	10 23.81%	22 52.38%	9 21.43%	1 2.38%	0	0
JASHPUR	62	0.30	14.33	22 35.48%	31 50%	8 12.90%	1 1.61%	0	0
KANKER	8	1.10	8.30	4 50%	2 25%	2 25%	0	0	0
KAWARDHA	6	1.35	5.87	2 33.33%	3 50%	1 16.67%	0	0	0
KORBA	59	0.90	12.53	5 8.47%	30 50.85%	23 38.98%	1 1.69%	0	0
KORIYA	40	0.50	5.50	15 37.50%	24 60%	1 2.50%	0	0	0
MAHASAMUND	31	1.00	31.37	9 29.03%	12 38.71%	7 22.58%	2 6.45%	1 3.23%	0
RAIGARH	98	0.11	33.00	49 50%	43 43.88%	5 5.10%	0	1 1.02%	0
RAIPUR	61	0.60	12.00	27 44.26%	26 42.62%	7 11.48%	1 1.64%	0	0
RAJNANDGAON	31	0.87	12.10	11 35.48%	13 41.94%	6 19.35%	1 3.23%	0	0
SURGUJA	70	1.18	12.18	14 20%	41 58.57%	13 18.57%	2 2.86%	0	0
Total	**731**	**0.11**	**33.00**	**250**	**326**	**135**	**15**	**5**	**0**

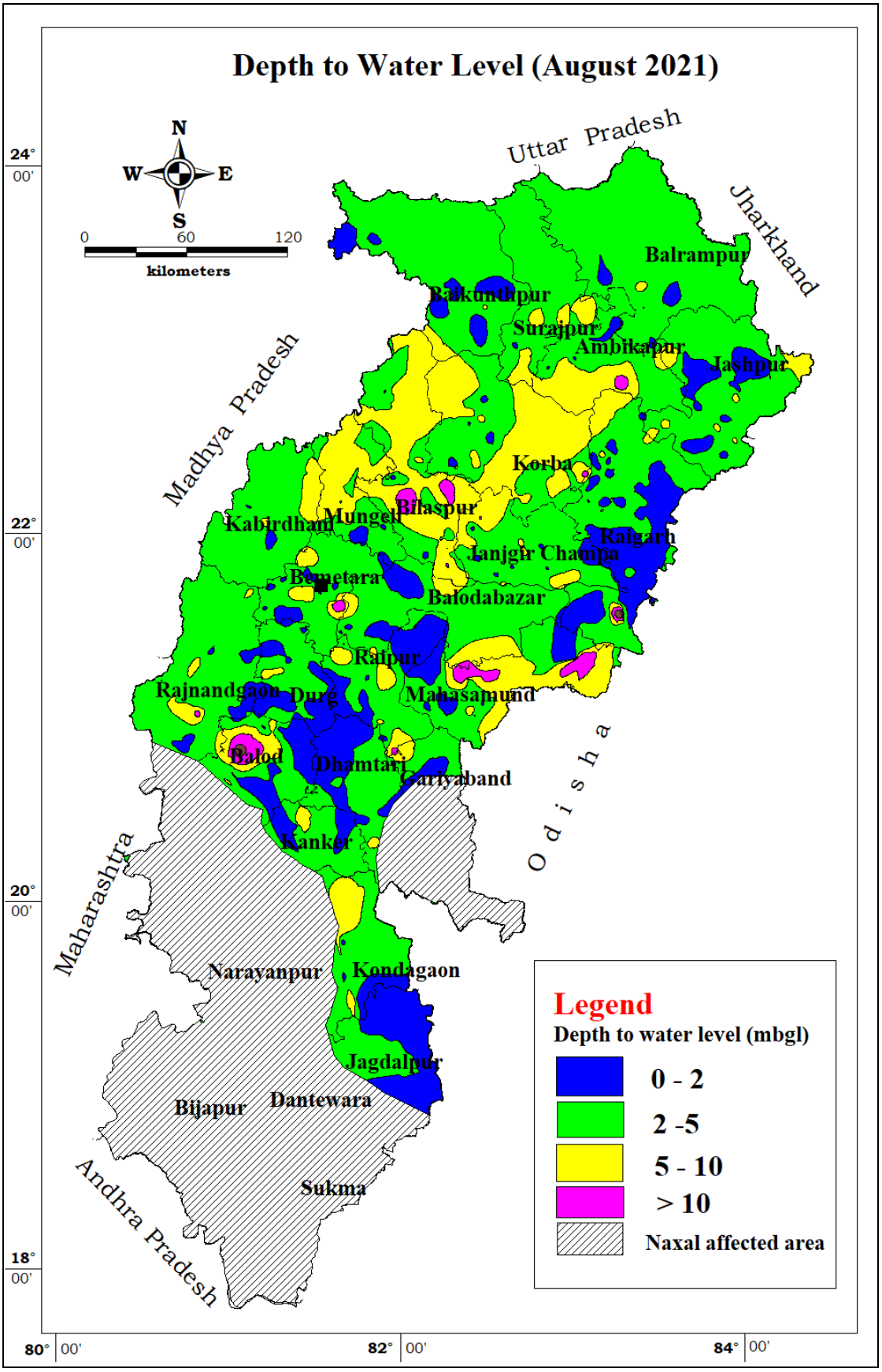

Fig 7.2 Depth to Water Level Map (August' 2021)

7.1.3 November 2021

In general, the depth to water level range up to 5 m bgl is observed in approximately 77.62% of the wells and depth to water level range up to 10 m bgl is observed in approximately 19.73% of the wells in the state. Deeper water levels ranging between 10 and 20 m bgl occur only in 2.17% of the observation wells and mostly in parts of Durg, Kawardha, Mahasamund and Surguja districts. The deepest water level of 29.46 mbgl was monitored in Ganiyari Pz observation well (piezometer) of Bilaspur district.

155 numbers of wells (approximately 18.65% 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 490 (58.96%) of the observation wells monitored. The highest percentages of wells in this range are in Bastar (75%), Raipur (70.97%), Dhamtari (70.27%), Koriya (65.38%) and Mahasamund (64.52%) districts. Nearly 19.74% 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**. District wise distribution of percentage of observation wells at different ranges of depth to water level as observed in November ’2021 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 different ranges of depth to water level in November' 2021

District	No. of Wells Analysed	Depth to Water Table (mbgl)		No. / Percentage of Wells Showing Depth to Water Table (m bgl) in the Range of					
		Min	Max	0 - 2	2 - 5	5 - 10	10 - 20	20 - 40	> 40
BASTAR	12	1.20	6.60	1 8.33%	9 75%	2 16.67%	0	0	0
BILASPUR	85	0.85	29.46	11 12.94%	42 49.41%	28 32.94%	1 1.18%	3 3.53%	0
DHAMTARI	37	1.45	9.25	5 13.51%	26 70.27%	6 16.22%	0	0	0
DURG	83	1.20	18.02	18 21.69%	52 62.65%	10 12.05%	3 3.61%	0	0
JANJGIR - CHAMPA	44	0.68	11.05	9 20.45%	25 56.82%	9 20.45%	1 2.27%	0	0
JASHPUR	65	0.90	15.03	14 21.54%	41 63.08%	9 13.85%	1 1.54%	0	0
KANKER	5	3.20	6.40	0	4 80%	1 20%	0	0	0
KAWARDHA	17	1.20	20.52	1 5.88%	8 47.06%	4 23.53%	3 17.65%	1 5.88%	0
KORBA	62	1.10	12.05	5 8.06%	35 56.45%	21 33.87%	1 1.61%	0	0
KORIYA	52	0.70	9.20	10 19.23%	34 65.38%	8 15.38%	0	0	0
MAHASAMUND	31	1.45	20.00	1 3.23%	20 64.52%	8 25.81%	2 6.45%	0	0
RAIGARH	110	0.31	10.04	51 46.36%	53 48.18%	5 4.55%	1 0.91%	0	0
RAIPUR	93	0.90	13.00	14 15.05%	66 70.97%	12 12.90%	1 1.08%	0	0
RAJNANDGAON	37	1.04	7.40	11 29.73%	22 59.46%	4 10.81%	0	0	0
SURGUJA	98	1.40	14.65	4 4.08%	53 54.08%	37 37.76%	4 4.08%	0	0
Total	**831**	**0.31**	**29.46**	**155**	**490**	**164**	**18**	**4**	**0**

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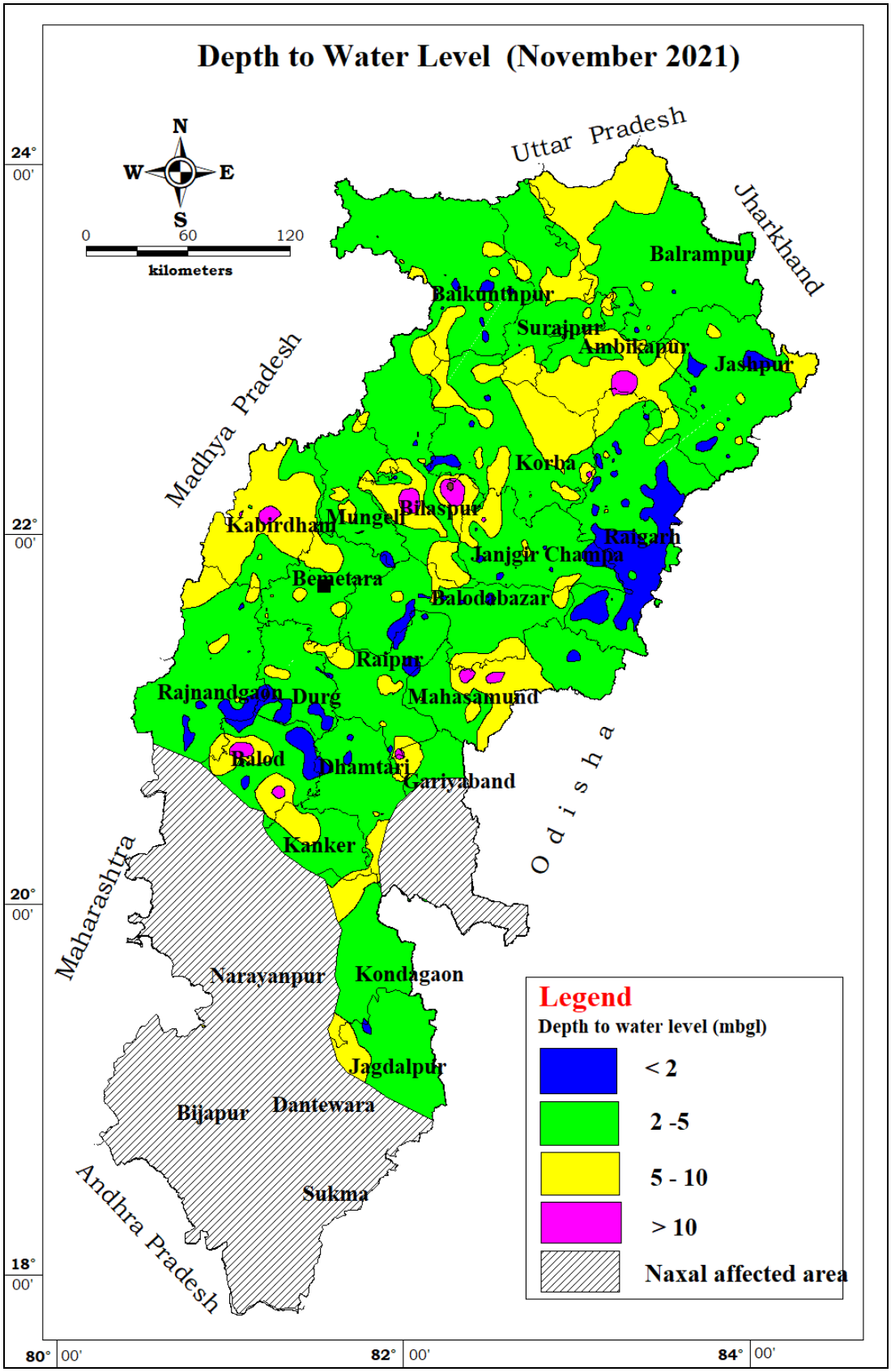


Fig.7.3 Depth to Water Level Map (November' 2021)

7.1.4 January 2022

In general, the depth to water level range up to 5 m bgl is observed in approximately 62.6% of the wells and depth to water level range up to 10 m bgl is observed in approximately 33.86% of the wells in the state. Deeper water levels ranging between 10 and 20 m bgl occur only in 2.89% of the observation wells and mostly in parts of Bilaspur, Durg, Jashpur, Kawardha, Korba, Koriya, Mahasamund, Raipur, Raigarh and Surguja districts. The deepest water level of 28.1 m bgl was monitored in Ganiyari Pz observation well (piezometer) of Bilaspur district. 78 numbers of wells (approximately 10.24% of the monitored wells) in the state are showing water levels between 0-2 mbgl in almost all the districts of Chhattisgarh State. Water levels in the range of 2-5 m bgl are recorded in about 399 (52.36%) of the observation wells monitored. The highest percentages of wells in this range are in Dhamtari (67.57%), Mahasamund (65.52%), Raipur (62.5%), Korba (58.49%), Durg (55.56%), Jashpur (52.54%) and Koriya (51.02%) districts. Nearly 33.86% 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**. 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 2022 are represented on a map and appended as **Fig 7.4**

Table 7.4. District wise distribution of percentage of observation wells at different ranges of depth to water level in Jan' 2022

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 - 2	2 - 5	5 - 10	10 - 20	20 - 40	> 40
BASTAR	26	1.40	8.60	2 7.69%	12 46.15%	12 46.15%	0	0	0
BILASPUR	76	1.10	28.10	4 5.26%	35 46.05%	34 44.74%	2 2.63%	1 1.32%	0
DHAMTARI	37	0.77	9.27	3 8.11%	25 67.57%	9 24.32%	0	0	0
DURG	81	1.45	21.39	15 18.52%	45 55.56%	16 19.75%	4 4.94%	1 1.23%	0
JANJGIR - CHAMPA	42	1.21	9.04	4 9.52%	19 45.24%	19 45.24%	0	0	0
JASHPUR	59	1.06	15.30	2 3.39%	31 52.54%	25 42.37%	1 1.69%	0	0
KANKER	8	1.95	8.85	2 25%	4 50%	2 25%	0	0	0
KAWARDHA	11	3.50	21.40	0	4 36.36%	3 27.27%	3 27.27%	1 9.09%	0
KORBA	53	1.45	10.15	2 3.77%	31 58.49%	19 35.85%	1 1.89%	0	0
KORIYA	49	0.70	10.38	8 16.33%	25 51.02%	15 30.61%	1 2.04%	0	0
MAHASAMUND	29	1.31	24.21	1 3.45%	19 65.52%	6 20.69%	2 6.90%	1 3.45%	0
RAIGARH	94	0.81	22.22	9 9.57%	43 45.74%	40 42.55%	1 1.06%	1 1.06%	0
RAIPUR	88	0.70	13.20	17 19.32%	55 62.50%	14 15.91%	2 2.27%	0	0
RAJNANDGAON	40	1.25	8.50	8 20%	19 47.50%	13 32.50%	0	0	0
SURGUJA	69	1.62	18.70	1 1.45%	32 46.38%	31 44.93%	5 7.25%	0	0
Total	**762**	**0.70**	**28.10**	**78**	**399**	**258**	**22**	**5**	**0**

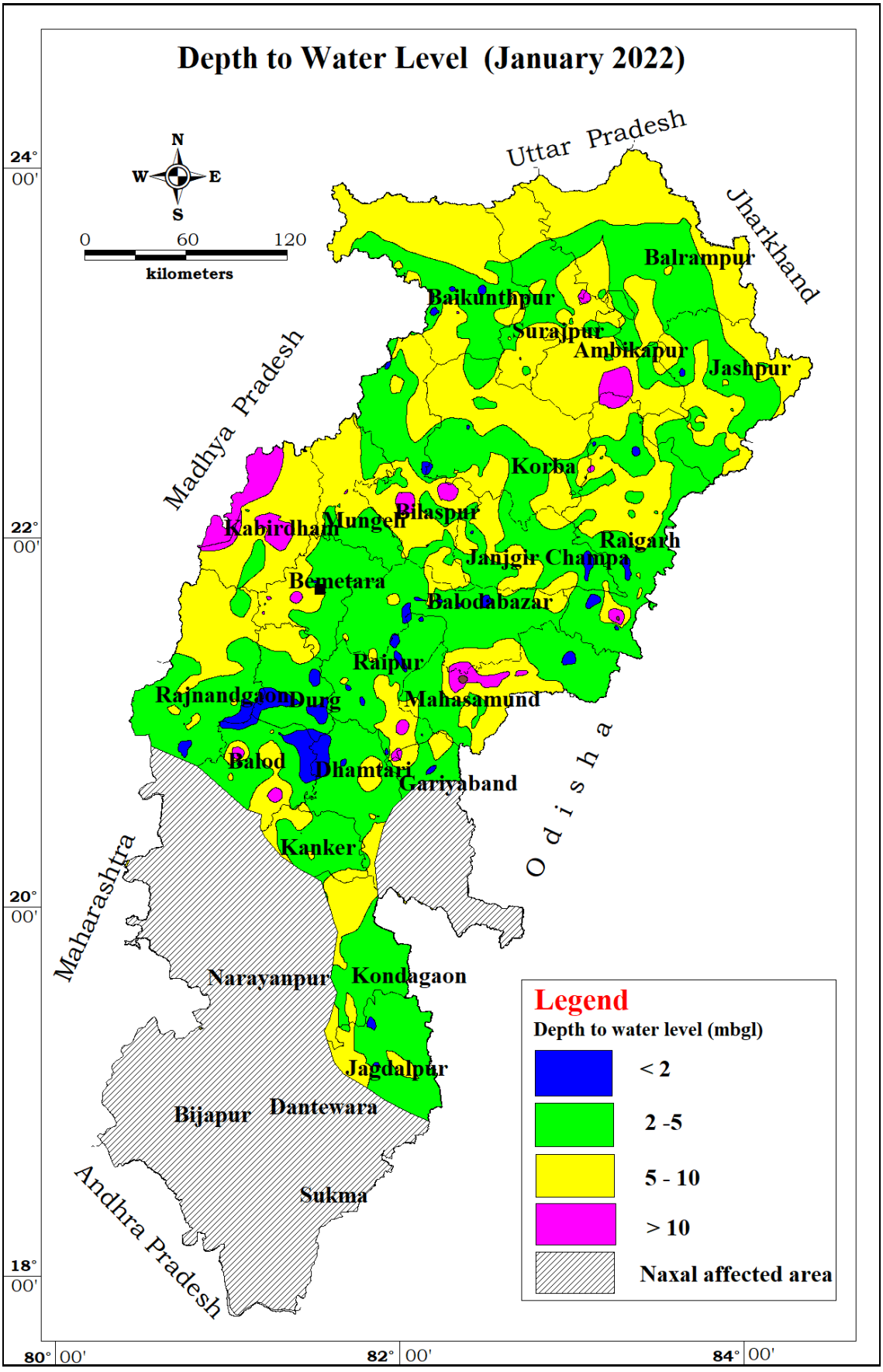


Fig. 7.4 Depth to Water Level Map (January' 2022)

7.2 Water Level Fluctuation

7.2.1 May 2020 vs May 2021

When compared to water level in May 2020, nearly 22.99% of the observation wells are showing rise in water level in May' 2021. Rise of water level in the range of 0-2 m is observed in 15.51 % of the wells distributed in almost all the districts except Dhamtari district. Rise of water level in the range of 2-4 m is observed in 5.54 % of the wells distributed in almost all the districts except Dhamtari, Jashpur, Kanker and Rajnandgaon districts. Rise of water level by more than 4 m is also observed in 1.94 % of the monitored wells in Durg, Mahasamund and Raigarh district. Fall of water level is recorded in nearly 75.9% 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 49.03%, 19.11% and 7.76% 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 2021 as compared to May 2020 are represented on a map and appended as **Fig 7.5.**

Table 7.5. District wise frequency for different fluctuation ranges between May 2020 Vs May 2021													
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	20	0.5	2.1	0.1	9.7	6 30.00 %	1 5.00%	0	12 60.00%	0	1 5.00%	7	13
BILASPUR	55	0.3	3.4	0.05	8.29	3 5.45%	3 5.45%	0	29 52.73%	13 23.64%	6 10.91%	6	48
DHAMTARI	1	-	-	1.47	1.47	0	0	0	1 100.00 %	0	0	0	1
DURG	48	0.45	8.21	0.15	7.5	16 33.33 %	10 20.83 %	5 10.42 %	11 22.92%	4 8.33%	2 4.17%	31	17
JANJGIR - CHAMPA	25	0.05	2.2	0.2	5.05	8 32.00 %	1 4.00%	0	8 32.00%	4 16.00%	3 12.00%	9	15
JASHPUR	55	0.06	1.39	0.15	5.44	4 7.27%	0	0	29 52.73%	18 32.73%	4 7.27%	4	51
KANKER	7	0.05	0.05	0.11	3.65	1 14.29 %	0	0	3 42.86%	3 42.86%	0	1	6
KORBA	34	0.2	2.4	0.25	8.4	3 8.82%	1 2.94%	0	15 44.12%	7 20.59%	7 20.59%	4	29
MAHASAMUND	6	0.44	5.54	0.98	3.22	2 33.33 %	1 16.67 %	1 16.67 %	1 16.67%	1 16.67%	0	4	2
RAIGARH	83	0.06	6.13	0.09	5.85	8 9.64%	1 1.20%	1 1.20%	54 65.06%	14 16.87%	4 4.82%	10	72
RAIPUR	23	0.02	2.87	0.07	4.4	4 17.39 %	2 8.70%	0	13 56.52%	3 13.04%	1 4.35%	6	17
RAJNANDGAON	4	1.95	1.95	1	3.2	1 25.00 %	0	0	1 25.00%	2 50.00%	0	1	3
Total	**361**	**1.95**	**0.05**	**0.05**	**9.70**	**56**	**20**	**7**	**177**	**69**	**28**	**83**	**274**

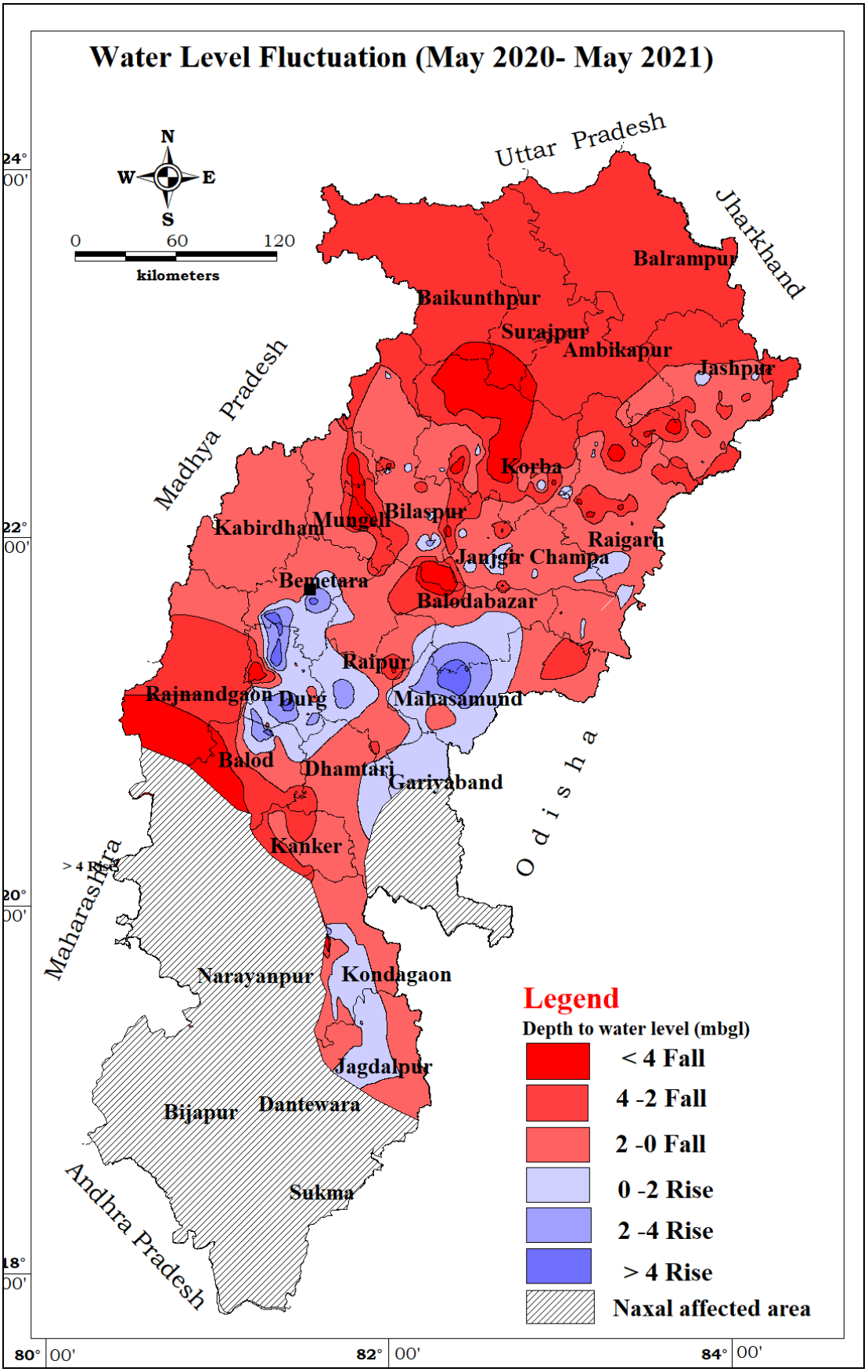


Fig. 7.5 Water Level Fluctuation (May' 2020 Vs May' 2021)

7.2.2 August 2020 vs August 2021

When compared to water level in August 2020, nearly 28.19% of the observation wells are showing rise in water level in August' 2021. Rise of water level in the range of 0-2 m is observed in 22.87 % of the wells distributed in almost all the districts except Janjgir-Champa district. Rise of water level in the range of 2-4 m is observed in 3.9% of the wells monitored mostly in Durg, Raigarh, Rajnandgaon, Kawardha and Jaspur districts. Rise of water level by more than 4 m is observed in 1.42% of the monitored wells in Kawardha, Raigarh, Dhamtari, Koriya and Raipur districts. Fall of water level is recorded in nearly 70.39% 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 47.16%, 13.12 % and 10.11 % 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 August 2021 as compared to August 2020 are represented on a map and appended as **Fig 7.6.**

Table 7.6. District wise frequency for different fluctuation ranges between Aug 2020 Vs Aug 2021

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	23	0.1	0.8	0.05	5.15	5 21.74%	0	0	14 60.87%	3 13.04%	1 4.35%	5	18
BILASPUR	62	0.05	0.92	0.15	9.05	5 8.06%	0	0	24 38.71%	15 24.19%	17 27.42%	5	56
DHAMTARI	28	0.01	6.24	0.01	2.91	3 10.71%	0	1 3.57%	21 75%	3 10.71%	0	4	24
DURG	76	0.15	3.65	0.1	10.67	30 39.47%	8 10.53%	0	27 35.53%	1 1.32%	9 11.84%	38	37
JANJGIR - CHAMPA	36	-	-	0.05	8.73	0	0	0	22 61.11%	7 19.44%	6 16.67%	0	35
JASHPUR	22	0.22	3.27	0.16	4.53	11 50%	4 18.18%	0	6 27.27%	0	1 4.55%	15	7
KANKER	6	0.8	0.8	0.1	4.1	1 16.67%	0	0	2 33.33%	1 16.67%	1 16.67%	1	4
KAWARDHA	6	0.42	4.32	0.46	0.87	2 33.33%	1 16.67%	1 16.67 %	2 33.33%	0	0	4	2
KORBA	52	0.5	3.74	0.15	6.62	2 3.85%	1 1.92%	0	22 42.31%	17 32.69%	10 19.23%	3	49
KORIYA	38	0.06	6	0.1	2.72	12 31.58%	1 2.63%	1 2.63%	22 57.89%	2 5.26%	0	14	24
MAHASAMUND	27	0.07	0.76	0.1	13.24	2 7.41%	0	0	20 74.07%	1 3.70%	3 11.11%	2	24
RAIGARH	53	0.14	5.92	0.02	6.48	22 41.51%	3 5.66%	3 5.66%	19 35.85%	2 3.77%	4 7.55%	28	25
RAIPUR	43	0.02	5.15	0.1	5.09	12 27.91%	1 2.33%	1 2.33%	20 46.51%	5 11.63%	1 2.33%	14	26
RAJNANDGAON	25	0.05	2.75	0.17	5.1	10 40%	2 8%	0	8 32%	4 16%	1 4	12	13
SURGUJA	67	0.01	4.71	0.05	9.99	12 17.91%	1 1.49%	1 1.49%	37 55.22%	13 19.40%	3 4.48%	14	53
Total	**564**	**0.80**	**0.76**	**0.01**	**13.24**	**129**	**22**	**8**	**266**	**74**	**57**	**159**	**397**

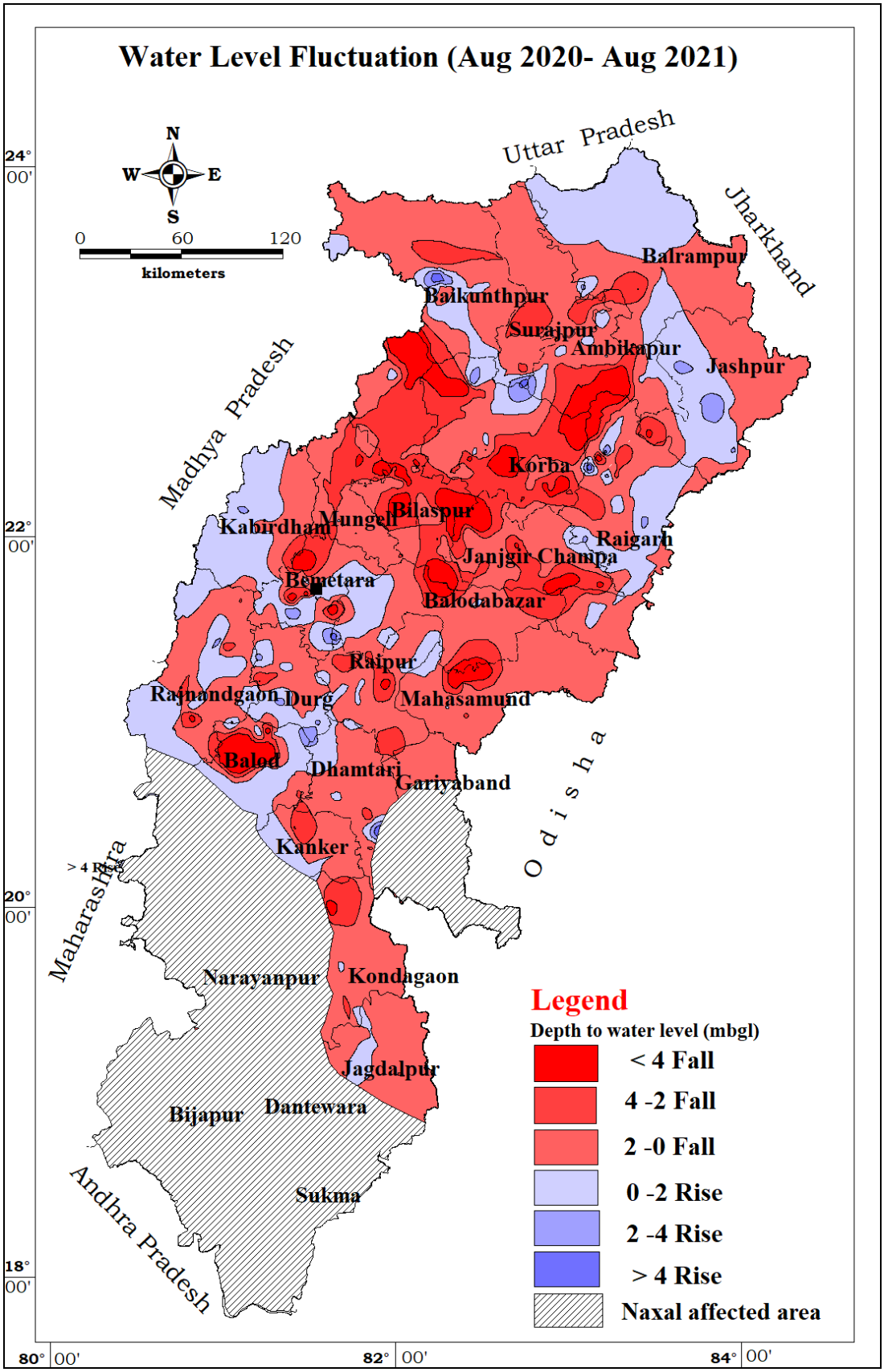


Fig.7.6 Water Level Fluctuation (August' 2020 Vs August' 2021)

7.2.3 November 2020 vs November 2021

When compared to water level in November 2020, nearly 61.99% of the observation wells are showing rise in water level in November' 2021. Rise of water level in the range of 0-2 m is observed in 46.68 % of the wells distributed in almost all the districts and mostly in Kawardha (85.71%), Durg (64.71%), Rajnandgaon (64.71%) districts. Rise of water level in the range of 2-4 m is observed in 11.42 % distributed in almost all the districts except in Bastar, Kanker, Korba, Mahasamund district. Rise of water level by more than 4 m is observed in 3.9 % of the monitored wells except in Bastar, Dhamtari, Janjgir Champa, Kanker, Kawardha, Korba, Mahasamund and Raipur districts. Fall of water level is recorded in nearly 37.28% 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 27.02 %, 7.66 % and 2.60% 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' 2021 as compared to Nov' 2020 are represented on a map and appended as **Fig. 7.7.**

Table 7.7. District wise frequency for different fluctuation ranges between Nov 2020 Vs Nov 2021

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	12	1	1.15	0.15	2	2 16.67%	0	0	10 83.33%	0	0	2	10
BILASPUR	73	0.02	4.54	0.02	17.73	24 32.88%	10 13.70%	2 2.74%	28 38.36%	7 9.59%	2 2.74%	36	37
DHAMTARI	33	0.07	2.42	0.4	4.89	20 60.61%	1 3.03%	0	9 27.27%	1 3.03%	2 6.06%	21	12
DURG	68	0.02	12.05	0.03	5.45	44 64.71%	5 7.35%	6 8.82%	6 8.82%	4 5.88%	1 1.47%	55	11
JANJGIR - CHAMPA	41	0.21	2.93	0.02	3.62	21 51.22%	4 9.76%	0	13 31.71%	3 7.32%	0	25	16
JASHPUR	58	0.28	4.84	0.04	4	23 39.66%	10 17.24%	2 3.45%	16 27.59%	7 12.07%	0	35	23
KANKER	4	0.2	0.2	0.55	4.6	1 25.00%	0	0	2 50.00%	0	1 25.00 %	1	3
KAWARDHA	14	0.11	2.89	0.1	0.1	12 85.71%	1 7.14%	0	1 7.14%	0	0	13	1
KORBA	49	0.01	1.61	0.02	8.87	20 40.82%	0	0	22 44.90%	6 12.24%	1 2.04%	20	29
KORIYA	50	0.02	5.38	0.1	3.45	20 40.00%	3 6.00%	2 4.00%	19 38.00%	5 10.00%	0	25	24
MAHASAMUND	24	0.03	1.97	0.17	4.08	8 33.33%	0	0	10 41.67%	5 20.83%	1 4.17%	8	16
RAIGARH	79	0.03	6.75	0.37	5.03	37 46.84%	25 31.65%	8 10.13%	7 8.86%	1 1.27%	1 1.27%	70	9
RAIPUR	72	0.15	3.14	0.11	9.81	45 62.50%	5 6.94%	0	16 22.22%	2 2.78%	3 4.17%	50	21
RAJNANDGAON	34	0.1	10.61	0.1	1	22 64.71%	4 11.76%	3 8.82%	4 11.76%	0	0	29	4
SURGUJA	81	0.08	6.82	0.01	6.65	24 29.63%	11 13.58%	4 4.94%	24 29.63%	12 14.81%	6 7.41%	39	42
Total	**692**	**1.00**	**0.20**	**0.01**	**17.73**	**323**	**79**	**27**	**187**	**53**	**18**	**429**	**258**

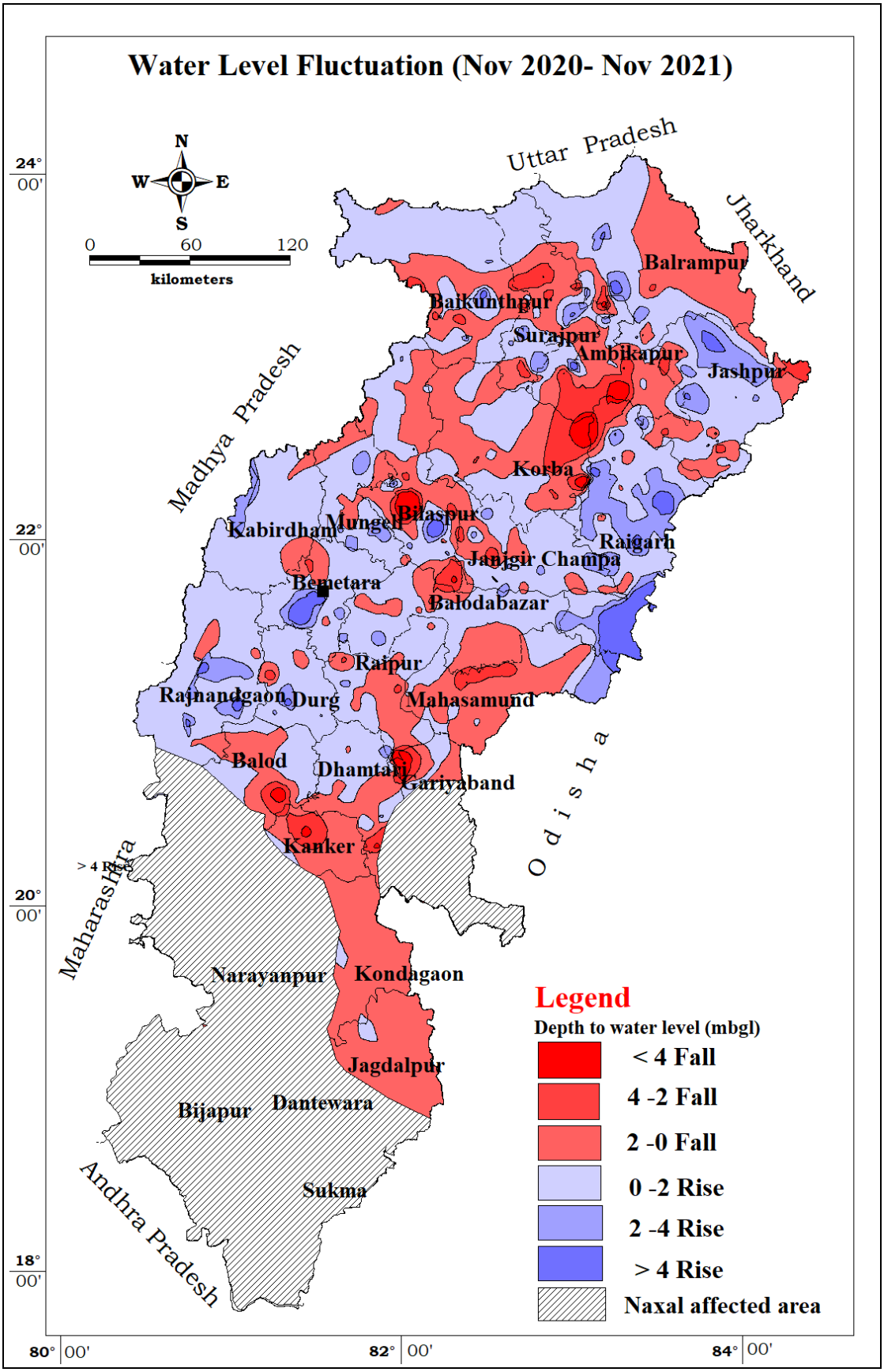


Fig. 7.7 Water Level Fluctuation (November' 2020 Vs November' 2021)

7.2.4 January 2021 vs January 2022

When compared to water level in January 2021, nearly 70.69 % of the observation wells are showing rise in water level in January' 2022. Rise of water level in the range of 0-2 m is observed in 49.75 % of the wells distributed mostly in Kawardha (88.89%), Mahasamund (60.87%), Durg (60.78%) and Rajnandgaon (59.26%) districts. Rise of water level in the range of 2-4 m is observed in 16.58% of the wells monitored in the state. Rise of water level by more than 4 m is observed in 4.35 % of the monitored wells except in Dhamtari, Kawardha, Mahasamund, Raigarh and Korba districts. Fall of water level is recorded in nearly 28.81% 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 20.43 %, 6.53 % and 1.84 % 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 2022 as compared to January 2021 are represented on a map and appended as **Fig 7.8**

Table 7.8. District wise frequency for different fluctuation ranges between Jan 2021 Vs Jan 2022

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	21	0.3	5.55	0.07	2.82	12 57.14%	1 4.76%	2 9.52%	4 19.05%	2 9.52%	0	15	6
BILASPUR	62	0.2	5.93	0.14	7.65	33 53.23%	8 12.90%	2 3.23%	16 25.81%	2 3.23%	1 1.61%	43	19
DHAMTARI	32	0.39	3.78	0.45	4.66	13 40.63%	12 37.50%	0	5 15.63%	1 3.13%	1 3.13%	25	7
DURG	51	0.15	6.14	0.15	5.75	31 60.78%	9 17.65%	3 5.88%	4 7.84%	2 3.92%	1 1.96%	43	7
JANJGIR - CHAMPA	39	0.06	5.74	0.04	5.44	18 46.15%	5 12.82%	2 5.13%	10 25.64%	2 5.13%	2 5.13%	25	14
JASHPUR	51	0.08	6.8	0.17	3.53	29 56.86%	2 3.92%	1 1.96%	14 27.45%	4 7.84%	0	32	18
KANKER	6	0.8	5.2	3.35	3.35	2 33.33%	1 16.67%	2 33.33%	0	1 16.67%	0	5	1
KAWARDHA	9	0.12	2.75	-	-	8 88.89%	1 11.11%	0	0	0	0	9	0
KORBA	42	0.06	3.16	0.03	5.92	23 54.76%	2 4.76%	0	11 26.19%	4 9.52%	1 2.38%	25	16
KORIYA	44	0.06	6.85	0.15	4.45	17 38.64%	6 13.64%	4 9.09%	9 20.45%	6 13.64%	2 4.55%	27	17
MAHASAMUND	23	0.19	2.55	0.27	10.17	14 60.87%	2 8.70%	0	4 17.39%	2 8.70%	1 4.35%	16	7
RAIGARH	66	0.03	3.49	0.09	2.96	37 56.06%	5 7.58%	0	20 30.30%	4 6.06%	0	42	24
RAIPUR	64	0.24	8.99	0.36	8.38	26 40.63%	27 42.19%	3 4.69%	4 6.25%	3 4.69%	1 1.56%	56	8
RAJNANDGAON	27	0.14	5.35	0.05	0.35	16 59.26%	6 22.22%	2 7.41%	3 11.11%	0	0	24	3
SURGUJA	60	0.05	5.75	0.01	7.36	18 30%	12 20%	5 8.33%	18 30%	6 10%	1 1.67%	35	25
Total	**597**	**(0.80)**	**(2.55)**	**0.00**	**10.17**	**297**	**99**	**26**	**122**	**39**	**11**	**422**	**172**

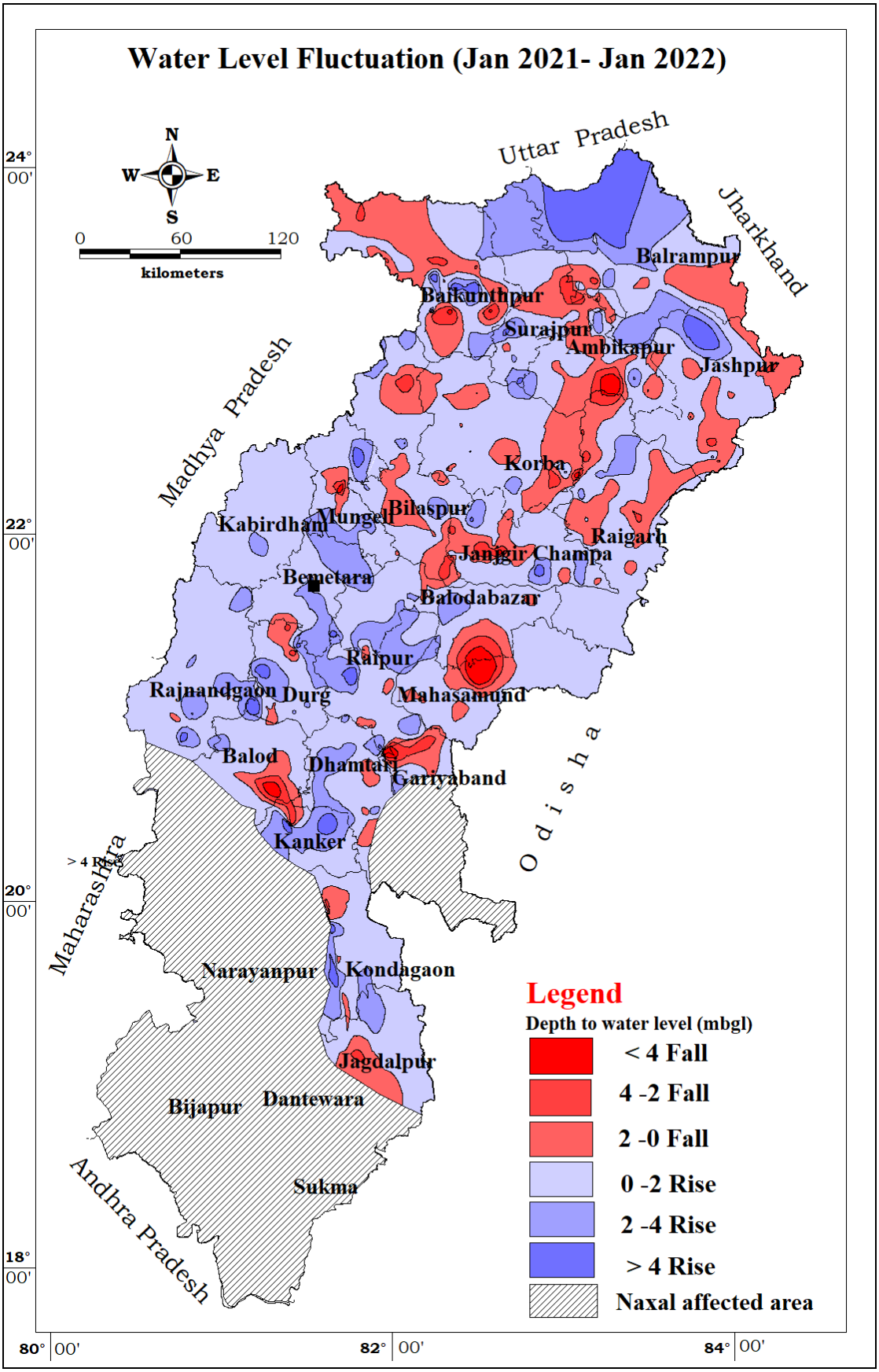


Fig. 7.8 Water Level Fluctuation (January' 2021 Vs January' 2022)

7.3 Water Level Fluctuation with Reference to Pre monsoon Water Level

7.3.1 May 2021 vs August 2021

There is mostly a rise in water levels in August' 2021 when compared with the water levels of May, 2021. About 89.78 % of the monitored wells exhibits rise in the water level. Out of this, about 53.83 % of the monitored wells exhibits rise of water level in the range of 0-2 m covering parts of almost all the districts. In 28.45 % of the monitored wells, the water levels show rise in the range of 2-4 m covering parts of all the districts monitored in the state. While the remaining 7.5% of the observation wells also show rise of more than 4 m covering parts of all the districts monitored except Dhamtari, Kanker, Kawardha, Mahasamund and Raigarh districts. Fall of water level as compared to May'21 is observed in about 9.37% of the observation wells monitored. Most of the wells exhibit falls in the range of 0 - 2 m mainly in Dhamtari, Raipur, Mahasamund, Janjgir- Champa, Bilaspur andDurg districts

The district wise frequency for different fluctuation ranges is presented in **Table 7.9**. Fluctuation of water level (May' 2021 vs Aug' 2021) is represented on a map appended as **Fig 7.9.**

Table 7.9. District Wise - Fluctuation and Frequency Distribution from Different Ranges from One Period to Other : May 2021Vs Aug 2021

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	23	0.05	5.73	0.3	0.3	11 47.83%	7 30.43%	4 17.39%	1 4.35%	0	0	22	1
BILASPUR	74	0.05	6.2	0.14	1.72	54 72.97%	9 12.16%	5 6.76%	5 6.76%	0	0	68	5
DHAMTARI	12	0.79	3.5	0.01	3.31	2 16.67%	3 25.00%	0	5 41.67%	1 8.33%	0	5	6
DURG	70	0.01	10.67	0.03	5.68	48 68.57%	12 17.14%	3 4.29%	6 8.57%	0	1 1.43%	63	7
JANJGIR - CHAMPA	34	0.05	6.45	0.1	1.15	20 58.82%	4 11.76%	2 5.88%	8 23.53%	0	0	26	8
JASHPUR	58	0.25	4.96	-	-	31 53.45%	25 43.10%	2 3.45%	0	0	0	58	0
KANKER	6	0.15	3.4	-	-	5 83.33%	1 16.67%	0	0	0	0	6	0
KAWARDHA	5	1.45	2.98	-	-	1 20.00%	4 80.00%	0	0	0	0	5	0
KORBA	53	0.05	5.36	0.01	0.01	38 71.70%	12 22.64%	2 3.77%	1 1.89%	0	0	52	1
KORIYA	27	0.74	8.5	0.2	1.14	11 40.74%	6 22.22%	7 25.93%	2 7.41	0	0	24	2
MAHASAMUND	20	0.46	2.35	0.57	26.17	6 30.00%	3 15.00%	0	5 25.00%	3 15.00%	3 15.00%	9	11
RAIGARH	90	0.44	3.5	0.13	0.13	49 54.44%	40 44.44%	0	1 1.11%	0	0	89	1
RAIPUR	30	0.08	5	0.09	10.31	11 36.67%	4 13.33%	2 6.67%	8 26.67%	1 3.33%	3 10.00%	17	12
RAJNANDGAON	25	0.59	5.27	-	-	12 48.00%	11 44.00%	2 8.00%	0	0	0	25	0
SURGUJA	60	0.4	8.88	0.88	0.88	17 28.33%	26 43.33%	15 25.00%	1 1.67%	0	0	58	1
Total	**587**	**1.45**	**2.35**	**0.00**	**26.17**	**316**	**167**	**44**	**43**	**5**	**7**	**527**	**55**

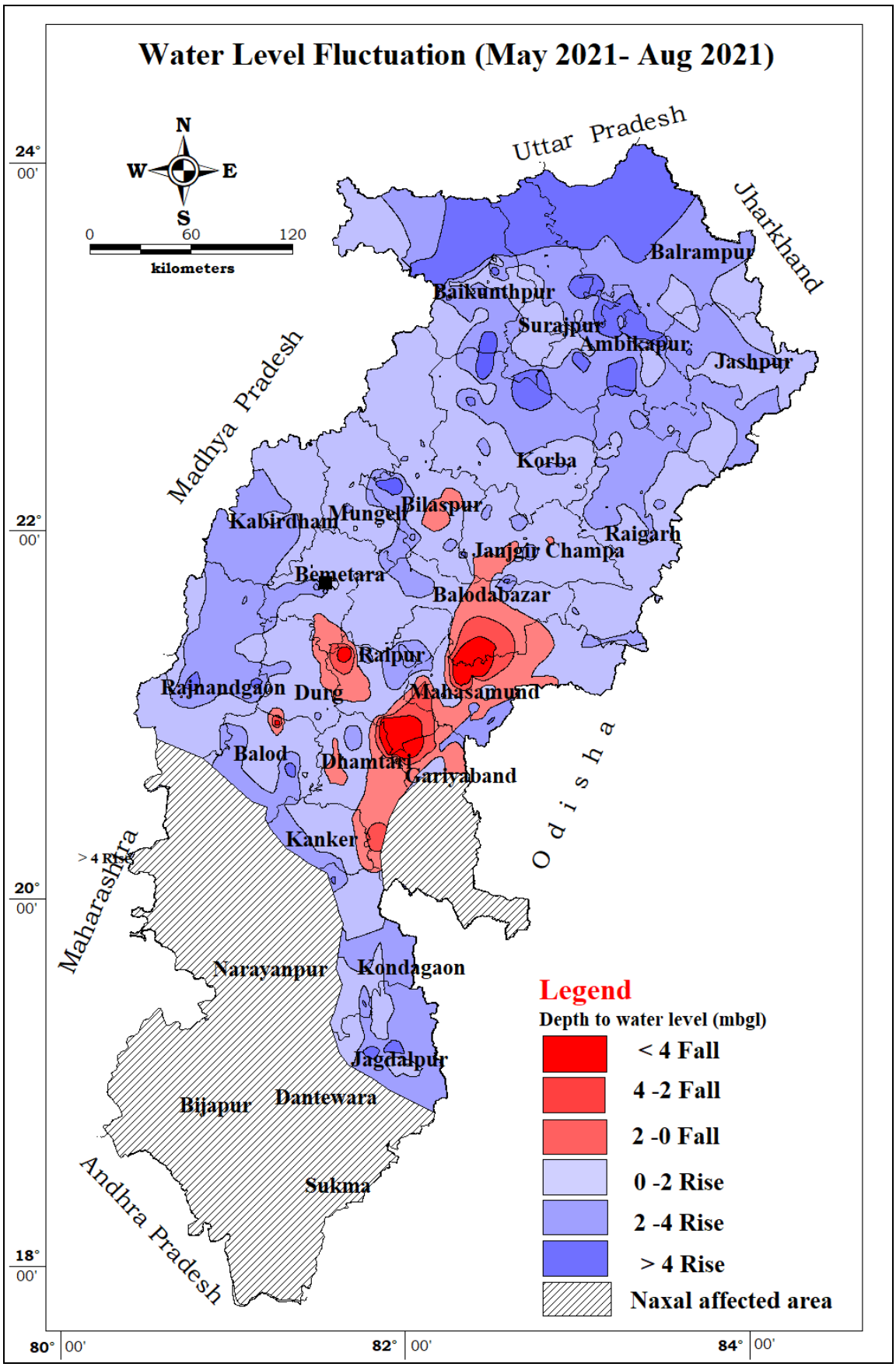


Fig.7.9 Water Level Fluctuation (May' 2021 Vs August' 2021)

7.3.2 May 2021 vs November 2021

There is mostly a rise in water level in November 2021 when compared to water level in May 2021. About 77.52% of the monitored wells exhibit falls in the water level. Out of this, about 47.72% of the monitored wells exhibit rise in the water level in the range of 0-2 m in parts of all the districts except Kanker district. In 20.03% of the monitored wells the water levels show rise in the range of 2-4 m in most of the districts except Kanker and Mahasamund districts, while the remaining 9.77% of the observation wells show rise of more than 4 m in most districts except Dhamtari, Kanker, Mahasamund and Raigarh districts. Fall of water level as compared to May'21 is observed in about 21.5% of the observation wells monitored. Most of the wells exhibit falls 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**.

Table 7.10. District Wise - Fluctuation and Frequency Distribution from Different Ranges from One Period to Other : May 2021 Vs Nov 2021

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	12	0.7	5	0.8	1.15	2 16.67%	4 33.33%	3 25.00%	3 25.00%	0	0	9	3
BILASPUR	77	0.1	7.65	0.33	1.08	41 53.25%	20 25.97%	12 15.58%	4 5.19%	0	0	73	4
DHAMTARI	14	0.8	2.38	1.06	4.54	4 28.57%	1 7.14%	0	8 57.14%	0	1 7.14%	5	9
DURG	63	0.02	10.27	0.02	1.61	27 42.86%	3 4.76%	6 9.52%	27 42.86%	0	0	36	27
JANJGIR - CHAMPA	35	0.09	5.72	0.05	1.33	18 51.43%	3 8.57%	3 8.57%	10 28.57%	0	0	24	10
JASHPUR	59	0.1	4.36	0.23	0.5	42 71.19%	14 23.73%	1 1.69%	2 3.39%	0	0	57	2
KANKER	3	-	-	0.85	2.5	0	0	0	2 66.67%	1 33.33%	0	0	3
KAWARDHA	10	0.33	8.15	-	-	2 20.00%	4 40.00%	4 40.00%	0	0	0	10	0
KORBA	54	0.1	6.9	0.1	0.9	30 55.56%	13 24.07%	7 12.96%	2 3.70%	0	0	50	2
KORIYA	32	0.2	6.5	0.1	0.95	14 43.75%	6 18.75%	5 15.63%	5 15.63%	0	0	25	5
MAHASAMUND	20	0.2	1.81	0.54	14.8	4 20.00%	0	0	6 30.00%	5 25.00%	5 25.00%	4	16
RAIGARH	98	0.24	3.45	-	-	67 68.37%	31 31.63%	0	0	0	0	98	0
RAIPUR	48	0.03	4.53	0.06	11.31	8 16.67%	2 4.17%	2 4.17%	27 56.25%	4 8.33%	5 10.42%	12	36
RAJNANDGAON	23	0.06	7.27	0.08	0.75	7 30.43%	8 34.78%	5 21.74%	3 13.04%	0	0	20	3
SURGUJA	66	0.03	7.35	0.16	3.34	27 40.91%	14 21.21%	12 18.18%	9 13.64%	3 4.55%	0	53	12
Total	**614**	**0.80**	**1.81**	**0.00**	**14.80**	**293**	**123**	**60**	**108**	**13**	**11**	**476**	**132**

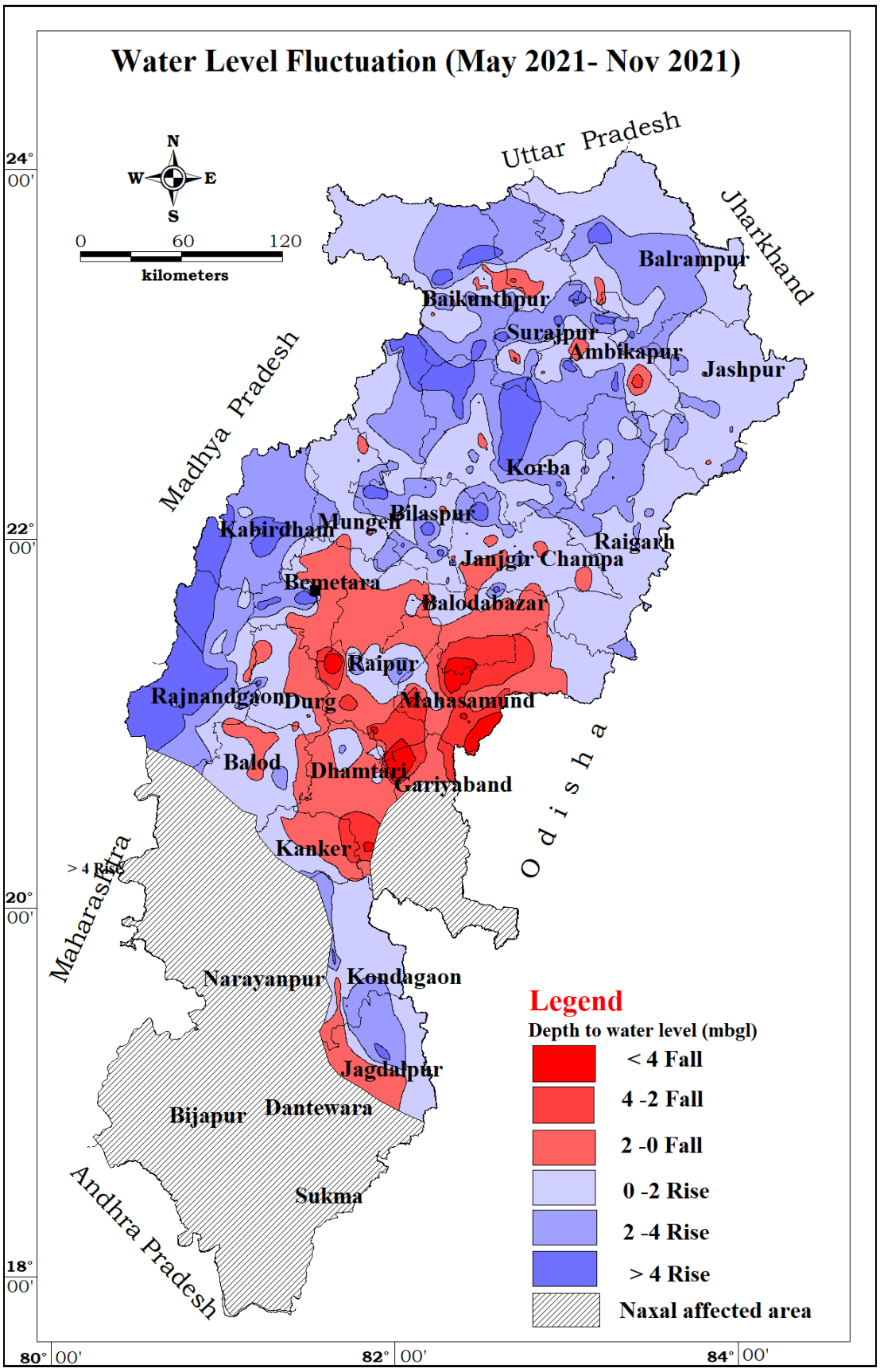


Fig. 7.10 Water Level Fluctuation (May' 2021 Vs November' 2021)

7.3.3 May 2021 vs January 2022

The water levels in nearly 53.95% of the observation wells were showing a rise for the month of January 2022 in comparison to that of the water levels measured during the month of May 2021. The rise in water levels in the range of 0 to 2 m was observed in nearly 34.8% of the observations wells mainly in Kawardha, Bilaspur, Durg, Korba, Bastar, Jashpur and Rajnandgaon districts. In 14.41% of the observation wells it was in the range of 2 to 4 m mostly in Rajnandgaon, Bastar, Korba, Koriya and Bilaspur districts. The rise of more than 4 m was recorded in 4.74 % of wells mainly in Kawardha district. The fall in water levels was recorded in 42.88 % of the observation wells. Fall of water level was recorded 30.93% in the range of 0 to 2 m distributed among all the districts except Kawardha district. Fall of water was 7.56% in the range of 2 to 4 m and it was 4.39% in for more than 4 m mainly in Mahasamund, Dhamtari, Raipur and Raigarh districts.

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

Table 7.11. District Wise - Fluctuation and Frequency Distribution from Different Ranges from One Period to Other : May 2021 Vs Jan 2022

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	24	0.1	3	0.1	2.7	10 41.67%	6 25.00%	0	6 25.00%	1 4.17%	0	16	7
BILASPUR	69	0.02	8.97	0.19	9.1	31 44.93%	19 27.54%	9 13.04%	8 11.59%	1 1.45%	1 1.45%	59	10
DHAMTARI	13	0.73	2.31	1.15	5.04	4 30.77%	1 7.69%	0	6 46.15%	0	2 15.38%	5	8
DURG	61	0.01	6.46	0.01	6.1	22 36.07%	5 8.20%	3 4.92%	22 36.07%	3 4.92%	3 4.92%	30	28
JANJGIR - CHAMPA	33	0.14	5.85	0.04	6.7	9 27.27%	3 9.09%	2 6.06%	14 42.42%	3 9.09%	2 6.06%	14	19
JASHPUR	54	0.04	4.05	0.03	2.88	23 42.59%	5 9.26%	1 1.85%	18 33.33%	7 12.96%	0	29	25
KANKER	7	0.96	3.55	0.2	2.7	2 28.57%	2 28.57%	0	2 28.57%	1 14.29%	0	4	3
KAWARDHA	8	0.38	6.34	-	-	4 50.00%	1 12.50%	3 37.50%	0	0	0	8	0
KORBA	47	0.04	7.22	0.02	1.57	20 42.55%	12 25.53%	3 6.38%	12 25.53%	0	0	35	12
KORIYA	32	0.01	8.64	0.1	2.88	9 28.13%	7 21.88%	1 3.13%	10 31.25%	2 6.25%	0	17	12
MAHASAMUND	19	0.28	2.54	0.01	19.01	2 10.53%	1 5.26%	0	6 31.58%	6 31.58%	4 21.05%	3	16
RAIGARH	85	0.02	3.27	0.1	7.74	28 32.94%	2 2.35%	0	35 41.18%	13 15.29%	7 8.24%	30	55
RAIPUR	46	0.26	4.17	0.03	11.51	11 23.91%	2 4.35%	1 2.17%	23 50.00%	3 6.52%	6 13.04%	14	32
RAJNANDGAON	25	0.02	6.31	0.1	0.67	12 48.00%	8 32.00%	2 8.00%	3 12.00%	0	0	22	3
SURGUJA	46	0.2	6.33	0.03	2.72	11 23.91%	8 17.39%	2 4.35%	11 23.91%	3 6.52%	0	21	14
Total	**569**	**0.96**	**2.31**	**0.00**	**19.01**	**198**	**82**	**27**	**176**	**43**	**25**	**307**	**244**

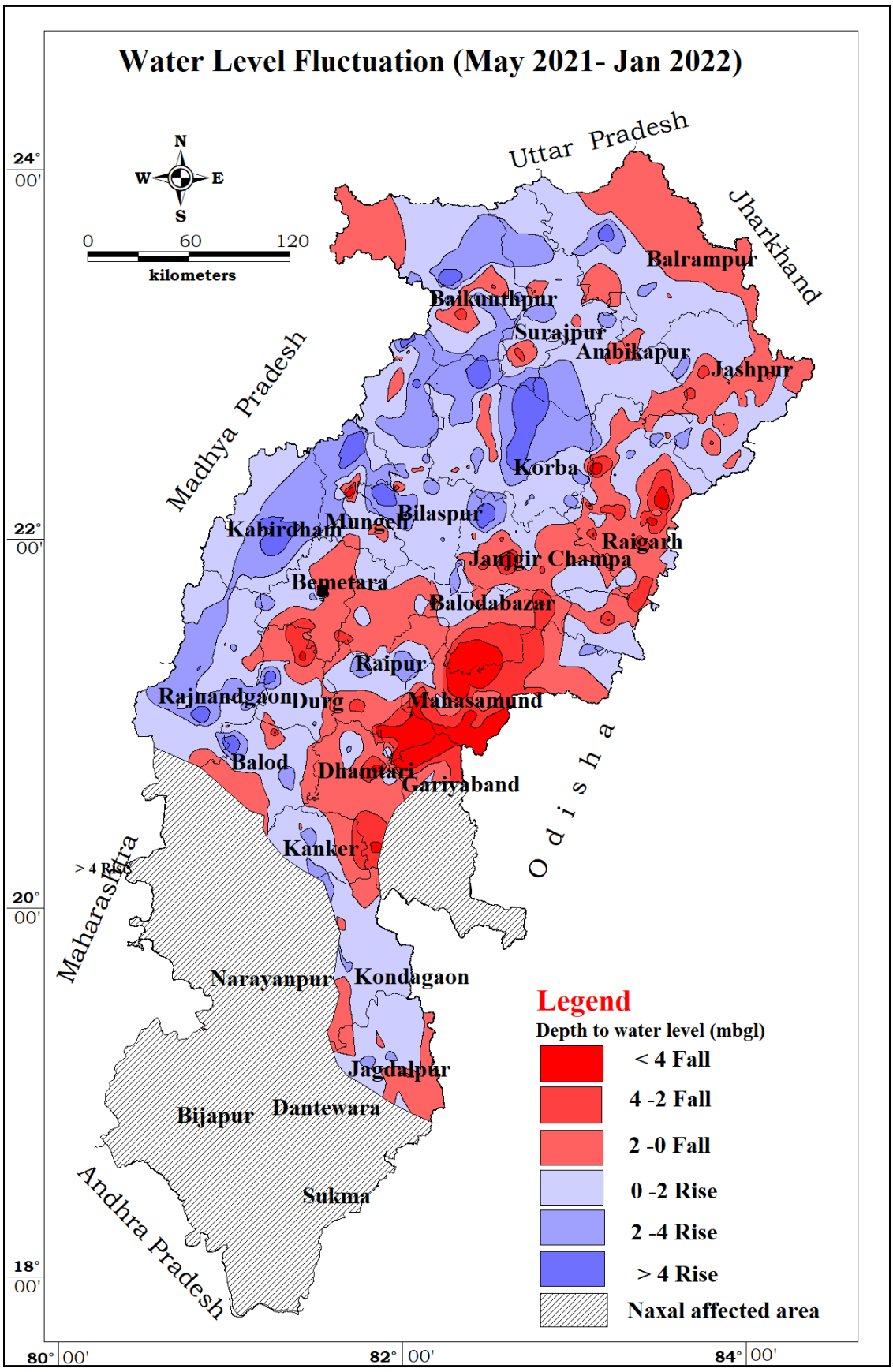


Fig. 7.11 Water Level Fluctuation (May' 2021 Vs January' 2022)

7.4 Water Level Fluctuation with Reference to Decadal Mean

7.4.1 Mean of May (May 2011 to May 2020) Vs May 2021

When compared to the decadal mean water level (May' 2011 to May' 2020), 20.09% of observation wells are showing a fall in water level in May'2021. Out of the wells monitored, 16.42% of the wells are showing a fall up to 2 m, 3.08% between 2 to 4 m except in Bastar, Dhamtari, Kanker, Koriya, Mahasamund and Raigarh districts. 0.59% 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, Jashpur, Korba and Surguja districts. Nearly 79.91% of monitored wells are showing a rise in the water level, mostly in the range of 0-2 meters (37.24 %). About 24.78% of the monitored wells are showing a rise in the range of 2-4 meter whereas 17.89% of the monitored wells are showing a rise of > 4 m except in Bastar, Kanker and Kawardha districts.

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.**

Table 7.12 District wise categorization of decadal change in water level (May 2011- 2020 Vs May 2021)

District	No. of Wells	Range of Fluctuation				No. of Wells/Percentage Showing Fluctuation						Total No. of Wells	
		Rise (m)		Fall (m)		Rise (m)			Fall (m)			Rise	Fall
		Min	Max	Min	Max	0 to 2	2 to 4	>4	0 to 2	2 to 4	>4		
BASTAR	24	0.11	2.7	0.25	1.8	17 70.83%	1 4.17%	0	6 25.00%	0	0	18	6
BILASPUR	89	0.05	6.28	-	5.21	39 43.82%	9 10.11%	9 10.11%	25 28.09%	6 6.74%	1 1.12%	57	32
DHAMTARI	20	0.07	5.14	0.22	0.22	4 20.00%	8 40.00%	7 35.00%	1 5.00%	0	0	19	1
DURG	84	0.08	9.8	0.01	3.4	20 23.81%	28 33.33%	26 30.95%	8 9.52%	2 2.38%	0	74	10
JANJGIR - CHAMPA	36	0.21	7	0.11	3.05	12 33.33%	11 30.56%	4 11.11%	6 16.67%	3 8.33%	0	27	9
JASHPUR	61	0.23	6.68	0.11	6.29	25 40.98%	16 26.23%	6 9.84%	11 18.03%	2 3.28%	1 1.64%	47	14
KANKER	7	0.47	1.33	0.33	0.52	4 57.14%	0	0	3 42.86%	0	0	4	3
KAWARDHA	10	0.81	2.2	1.57	2.99	6 60.00%	2 20.00%	0	1 10.00%	1 10.00%	0	8	2
KORBA	58	0.04	4.8	0.02	4.1	27 46.55%	13 22.41%	4 6.90%	11 18.97%	2 3.45%	1 1.72%	44	14
KORIYA	30	0.67	8.88	0.06	1.4	9 30.00%	10 33.33%	6 20.00%	5 16.67%	0	0	25	5
MAHASAMUND	23	0.01	15.27	0.23	0.23	4 17.39%	8 34.78%	10 43.48%	1 4.35%	0	0	22	1
RAIGARH	95	0.08	9.48	0.03	1.91	34 35.79%	30 31.58%	20 21.05%	11 11.58%	0	0	84	11
RAIPUR	49	0.14	11.31	0.01	2.36	14 28.57%	13 26.53%	17 34.69%	4 8.16%	1 2.04%	0	44	5
RAJNANDGAON	29	0.1	7.18	0	2.43	12 41.38%	5 17.24%	5 17.24%	5 17.24%	2 6.90%	0	22	7
SURGUJA	67	0.08	5.45	0.05	4.27	27 40.30%	15 22.39%	8 11.94%	14 20.90%	2 2.99%	1 1.49%	50	17
Total	**682**	**1.33**	**0.81**	**0.00**	**6.29**	**254**	**169**	**122**	**112**	**21**	**4**	**545**	**137**

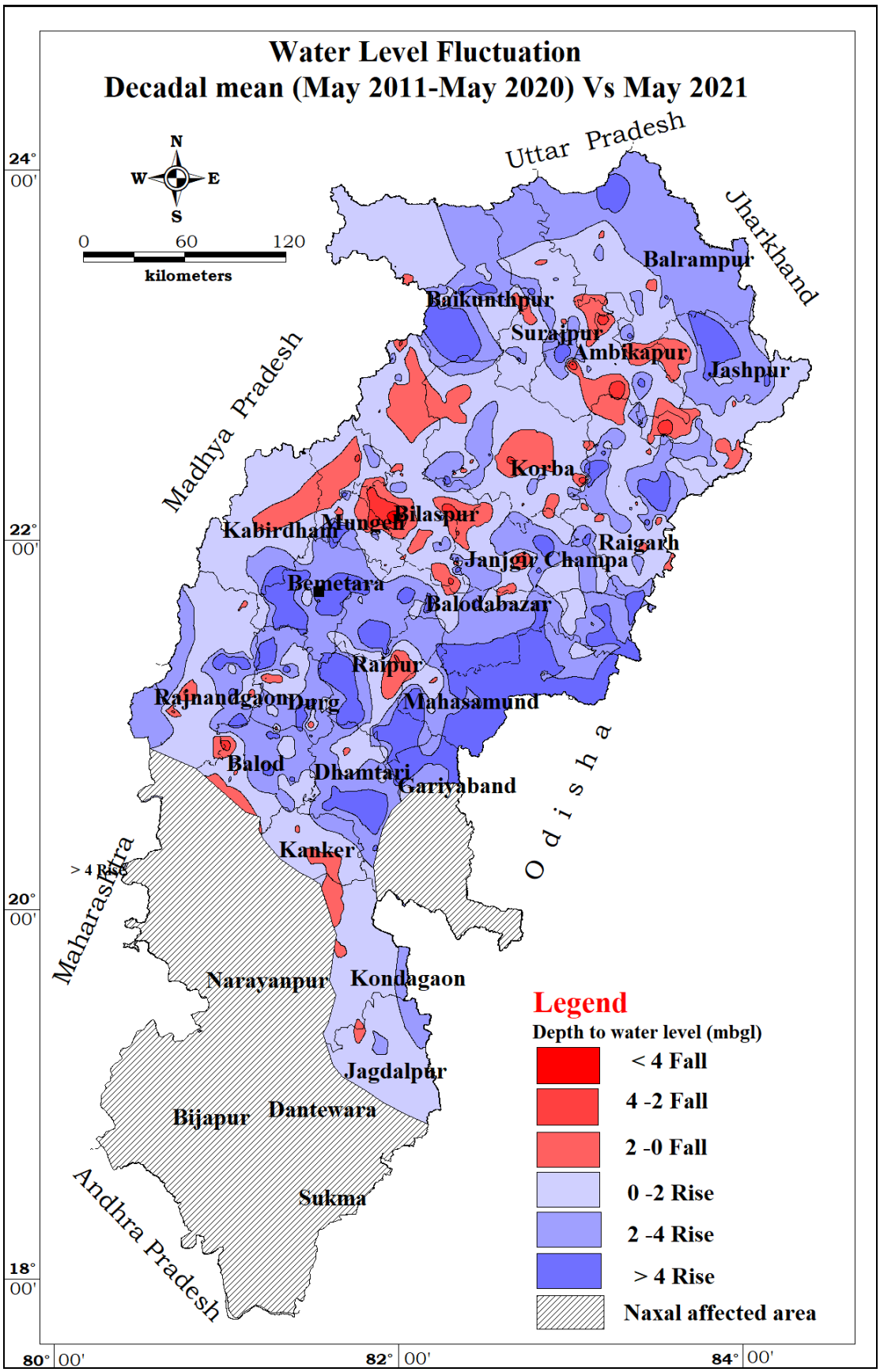


Fig. 7.12 Water Level Fluctuation, Decadal Mean (May 2011-2020) Vs May 2021

7.4.2 Mean of August (August 2011 to August 2020) vs August 2021

When compared to the decadal mean water level (August 2011 to August 2020), 35.77% of observation wells are showing a rise in water level in August 2021. Out of the wells monitored, 28.87% of the wells are showing a rise up to 2 m. 4.14% of the wells are showing a rise between 2 to 4 meters and 2.76% of the monitored wells are showing a rise in water level of more than 4 m. Rise of water level as compared to the decadal mean by more than 4m is observed except in Bilaspur, Raipur, Bastar, Janjgir- Champa, Kawardha, Mahasamund and Rajnandgaon districts. Nearly 64.23% of monitored wells are showing a fall in the water level, mostly in the range of 0-2 meter (44.61%). About 12.29% of the monitored wells are showing a fall in the range of 2-4 meters whereas 7.32% of the monitored wells are showing a fall of more than 4 m.

The district wise categorization 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**

Table 7.13 District wise categorization of decadal change in water level (August 2011- 2020 Vs August 2021)

District	No. of Wells	Range of Fluctuation				No. of Wells/Percentage Showing Fluctuation						Total No. of Wells	
		Rise (m)		Fall (m)		Rise (m)			Fall (m)			Rise	Fall
		Min	Max	Min	Max	0 to 2	2 to 4	>4	0 to 2	2 to 4	>4		
BASTAR	24	0.03	0.55	0.05	3.58	6 25.00%	0	0	12 50%	6 25%	0	6	18
BILASPUR	78	0.09	1.61	0.03	13.68	10 12.82%	0	0	34 43.59%	17 21.79%	17 21.79%	10	68
DHAMTARI	35	0.09	4.01	0.05	3.13	7 20.00%	0	1 2.86%	23 65.71%	4 11.43%	0	8	27
DURG	83	0.01	4	0.04	12.86	35 42.17%	5 6.02%	1 1.20%	32 38.55%	5 6.02%	5 6.03%	41	42
JANJGIR - CHAMPA	42	0.15	2.16	0.07	7.27	3 7.14%	1 2.38%	0	24 57.14%	10 23.81%	4 9.52%	4	38
JASHPUR	61	0.05	4.22	0.08	7.81	30 49.18%	4 6.56%	1 1.64%	21 34.43%	2 3.28%	3 4.92%	35	26
KANKER	8	0.45	4.45	0.44	5.11	2 25.00%	0	1 12.50%	2 25%	2 25%	1 12.50%	3	5
KAWARDHA	6	0.38	1.65	0.73	1.55	3 50.00%	0	0	3 50%	0	0	3	3
KORBA	59	0.02	11.13	0	8.08	9 15.25%	0	2 3.39%	26 44.07%	16 27.12%	6 10.17%	11	48
KORIYA	39	0.06	5.43	0.13	2.34	20 51.28%	1 2.56%	2 5.13%	15 38.46%	1 2.56%	0	23	16
MAHASAMUND	31	0.03	0.4	0.14	21.69	6 19.35%	0	0	16 51.61%	1 3.23%	8 25.81%	6	25
RAIGARH	97	0.02	7.95	0	19.95	36 37.11%	14 14.43%	11 11.34%	30 30.93%	3 3.09%	3 3.09%	61	36
RAIPUR	60	0.01	1.56	0.01	10.46	13 21.67%	0	0	36 60%	9 15%	2 3.33%	13	47
RAJNANDGAON	31	0.07	2.56	0.05	4.8	13 41.94%	2 6.45%	0	11 35.48%	4 12.90%	1 3.23%	15	16
SURGUJA	70	0.2	4.73	0.04	10.1	16 22.86%	3 4.29%	1 1.43%	38 54.29%	9 12.86%	3 4.29%	20	50
Total	**724**	**0.40**	**0.45**	**0.00**	**21.69**	**209**	**30**	**20**	**323**	**89**	**53**	**259**	**465**

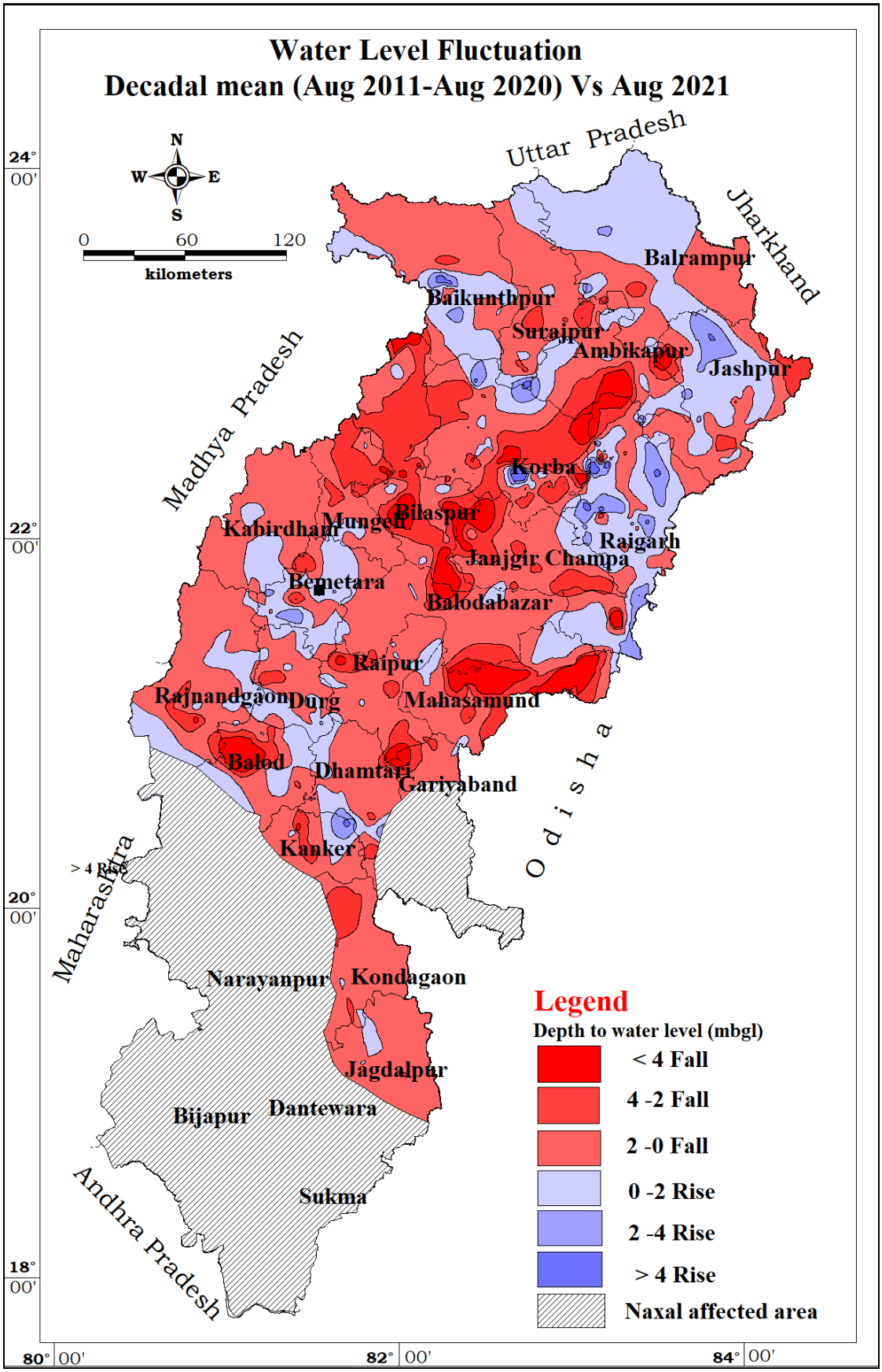


Fig 7.13 Depth to water level fluctuation (Decadal mean Aug 2011-2020 Vs Aug 2021

7.4.3 Mean of November (November 2011 to November 2020) vs November 2021

When compared to the decadal mean water level (November 2011 to November 2020), 60.42% of monitored wells are showing a rise in the water level, mostly in the range of 0-2 meter (45.83%) and mainly in Rajnandgaon (72.97%), Durg (52.44%) and Korba (47.54%) districts. About 10.54% of the monitored wells are showing a rise in the range of 2-4 meter except in Bastar, Dhamtari and Kanker district, whereas 4.04% of the monitored wells are showing a rise of more than 4 m only in Durg, Jashpur, Koriya, Raigarh, Surguja and Rajnandgaon districts. Nearly 39.58% of observation wells are showing a fall in water level in November 2021. Out of the wells monitored, 31% of the wells are showing a fall up to 2 m. About 5.64% between 2 to 4 meters except in Bastar, Kawardha and Rajnandgaon districts and 2.94% of the monitored wells are showing a fall in water level of more than 4 m restricted only in Bilaspur, Dhamtari, Durg, Jaspur, Kawardha, Korba, Mahasamund, Raipur and Surguja districts.

The district wise categorization 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.**

Table 7.14 District wise categorization of decadal change in water level (November 2011- 2020 Vs November 2021)

District	No. of Wells	Range of Fluctuation				No. of Wells/Percentage Showing Fluctuation						Total No. of Wells	
		Rise (m)		Fall (m)		Rise (m)			Fall (m)			Rise	Fall
		Min	Max	Min	Max	0 to 2	2 to 4	>4	0 to 2	2 to 4	>4		
BASTAR	12	0.08	1.3	0.08	2	4 33.33%	0	0	8 66.67%	0	0	4	8
BILASPUR	83	0.01	3.97	0.02	13.75	35 42.17%	10 12.05%	0	21 25.30%	9 10.84%	8 9.64%	45	38
DHAMTARI	37	0.11	1.12	0.09	5.46	14 37.84%	0	0	20 54.05%	2 5.41%	1 2.70%	14	23
DURG	82	0.03	8.99	0.18	6.3	43 52.44%	5 6.10%	8 9.76%	22 26.83%	2 2.44%	2 2.44%	56	26
JANJGIR - CHAMPA	44	0.07	3.26	0.04	3.37	19 43.18%	1 2.27%	0	21 47.73%	3 6.82%	0	20	24
JASHPUR	65	0.08	4.05	0.01	4.92	30 46.15%	12 18.46%	2 3.08%	17 26.15%	3 4.62%	1 1.54%	44	21
KANKER	5	1.21	1.54	0.78	3.69	2 40.00%	0	0	2 40.00%	1 20.00%	0	2	3
KAWARDHA	16	0.04	2.64	0.07	5.61	7 43.75%	2 12.50%	0	6 37.50%	0	1 6.25%	9	7
KORBA	61	0.01	2.25	0.01	5.03	29 47.54%	2 3.28%	0	24 39.34%	5 8.20%	1 1.64%	31	30
KORIYA	52	0.04	4.72	0.01	3.94	25 48.08%	6 11.54%	3 5.77%	15 28.85%	3 5.77%	0	34	18
MAHASAMUND	31	0.1	3.56	0.14	7.99	11 35.48%	1 3.23%	0	11 35.48%	4 12.90%	4 12.90%	12	19
RAIGARH	104	0.24	8.99	0.06	3.72	47 45.19%	30 28.85%	15 14.42%	9 8.65%	3 2.88%	0	92	12
RAIPUR	91	0.01	2.79	0.03	9.82	43 47.25%	2 2.20%	0	39 42.86%	4 4.40%	3 3.30%	45	46
RAJNANDGAON	37	0.06	5.22	0.06	1.87	27 72.97%	4 10.81%	1 2.70%	5 13.51%	0	0	32	5
SURGUJA	96	0.06	5.31	0.02	8.52	38 39.58%	11 11.46%	4 4.17%	33 34.38%	7 7.29%	3 3.13%	53	43
Total	**816**	**1.12**	**1.21**	**0.01**	**13.75**	**374**	**86**	**33**	**253**	**46**	**24**	**493**	**323**

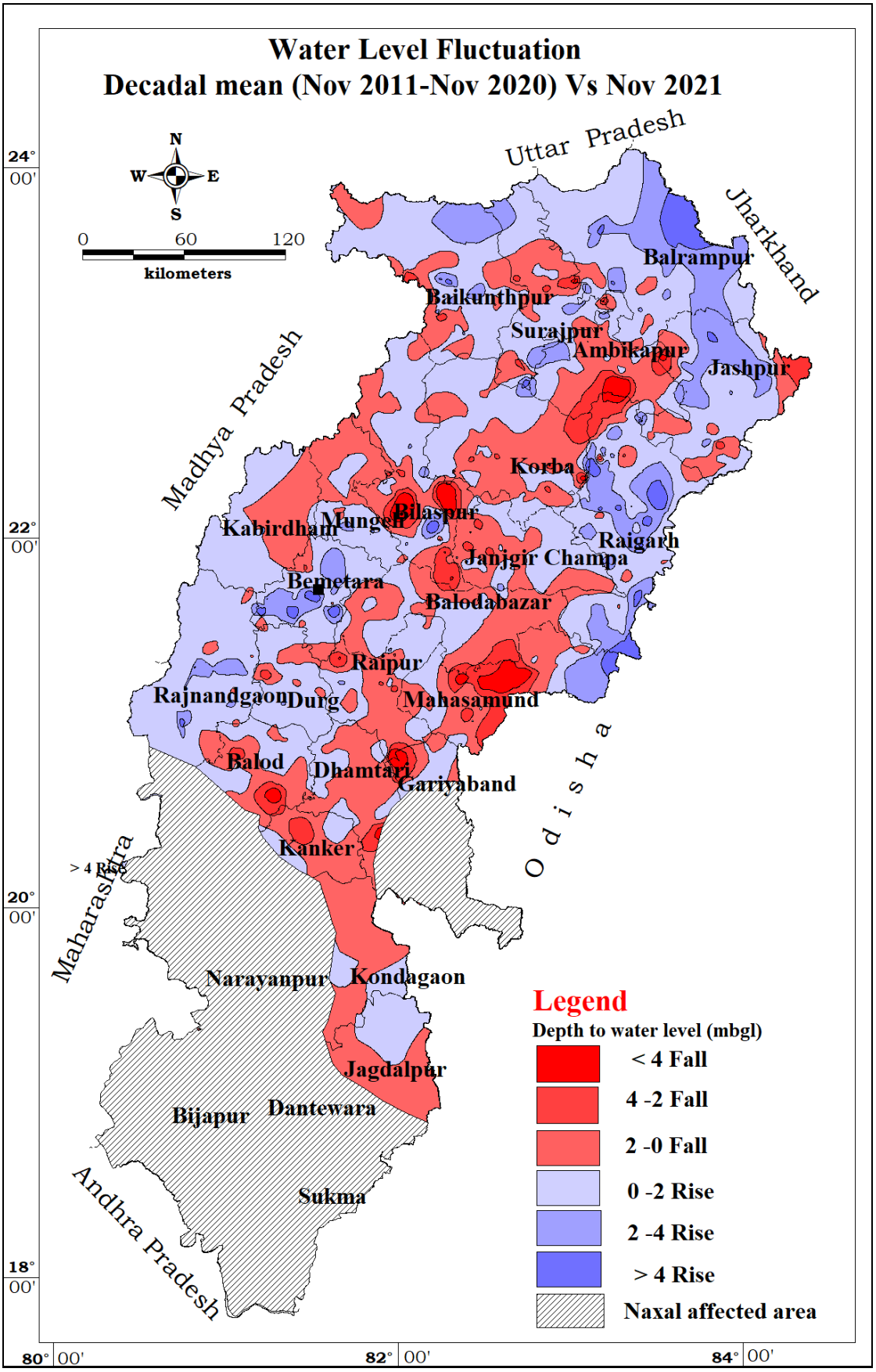


Fig 7.14 Depth to water level fluctuation (Decadal mean Nov 2011-2020 Vs Nov 2021)

7.4.1 Mean of January (January 2012 to January 2021) Vs January 2022

When compared to the decadal mean water level (January' 2012 to January' 2021), 73% of monitored wells are showing a rise in the water level, mostly in the range of 0 - 2 meters (53.86%) and mainly in the Kawardha (81.82%), Dhamtari (67.57%), Korba (59.62%), Bilaspur (57.89%), Raigarh (56.52%), Rajnandgaon (56.32%) and Bastar (53.85%) districts. About 16.62% of the monitored wells are showing a rise in the range of 2-4 meter whereas 2.53% of the monitored wells are showing a rise of more than 4 m except in Bastar, Bilaspur, Dhamtari, Kanker, Kawardha and Rajnandgaon districts. Nearly 26.99% of observation wells are showing a fall in water level in January 2022. Out of the wells monitored, 20.74% of the wells are showing a fall up to 2 m except in Kawardha district, 4.25% between 2 to 4 meters except in Janjgir-Champa, Kawardha, Rajnandgaon and Surguja districts and 1.99% 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, Durg, Mahasamund, Janjgir-Champa, Raipur and Surguja districts.

The district wise categorization of decadal change in water level is presented in **Table 7.15**. The decadal range of fluctuation has been shown in the **Fig 7.15.**

Table 7.15 District wise categorization of decadal change in water level (January 2012- 2021 Vs January 2022)

District Name	No. of Wells	Range of Fluctuation				No. of Wells/Percentage Showing Fluctuation						Total No. of Wells	
		Rise (m)		Fall (m)		Rise (m)			Fall (m)			Rise	Fall
		Min	Max	Min	Max	0 to 2	2 to 4	>4	0 to 2	2 to 4	>4		
BASTAR	26	0.09	2.12	0.02	2.9	14 53.85%	1 3.85%	0	8 30.77%	3 11.54%	0	15	11
BILASPUR	76	0.03	3.55	0.05	7.88	44 57.89%	10 13.16%	0	18 23.68%	1 1.32%	3 3.95%	54	22
DHAMTARI	37	0.29	2.55	0.1	3.42	25 67.57%	4 10.81%	0	5 13.51%	3 8.11%	0	29	8
DURG	77	0	5.26	0.29	5.75	41 53.25%	21 27.27%	1 1.30%	8 10.39%	4 5.19%	2 2.60%	63	14
JANJGIR - CHAMPA	42	0.03	5.15	0.12	5.17	21 50.00%	2 4.76%	2 4.76%	16 38.10%	0	1 2.38%	25	17
JASHPUR	59	0.13	6.44	0.02	2.77	29 49.15%	5 8.47%	1 1.69%	18 30.51%	6 10.17%	0	35	24
KANKER	8	1.64	3.97	0	3.7	2 25.00%	3 37.50%	0	2 25.00%	1 12.50%	0	5	3
KAWARDHA	11	0.22	2.22	-	-	9 81.82%	2 18.18%	0	0	0	0	11	0
KORBA	52	0.17	4.06	0.04	3.25	31 59.62%	6 11.54%	1 1.92%	10 19.23%	4 7.69%	0	38	14
KORIYA	49	0.13	7.55	0.29	3.33	21 42.86%	10 20.41%	4 8.16%	12 24.49%	2 4.08%	0	35	14
MAHASAMUND	29	0.17	6.53	0.07	8.16	14 48.28%	4 13.79%	1 3.45%	4 13.79%	3 10.34%	3 10.34%	19	10
RAIGARH	92	0.01	4.65	0.01	2.77	52 56.52%	10 10.87%	1 1.09%	27 29.35%	2 2.17%	0	63	29
RAIPUR	87	0.02	6.84	0.11	8.38	49 56.32%	17 19.54%	4 4.60%	11 12.64%	3 3.45%	3 3.45%	70	17
RAJNANDGAON	38	0.31	3.77	0.09	1.12	20 52.63%	15 39.47%	0	3 7.89%	0	0	35	3
SURGUJA	69	0.04	5.38	0.16	8.52	33 47.83%	15 21.74%	4 5.80%	14 20.29%	0	3 4.35%	52	17
Total	**752**	**2.12**	**1.64**	**0.00**	**8.52**	**405**	**125**	**19**	**156**	**32**	**15**	**549**	**203**

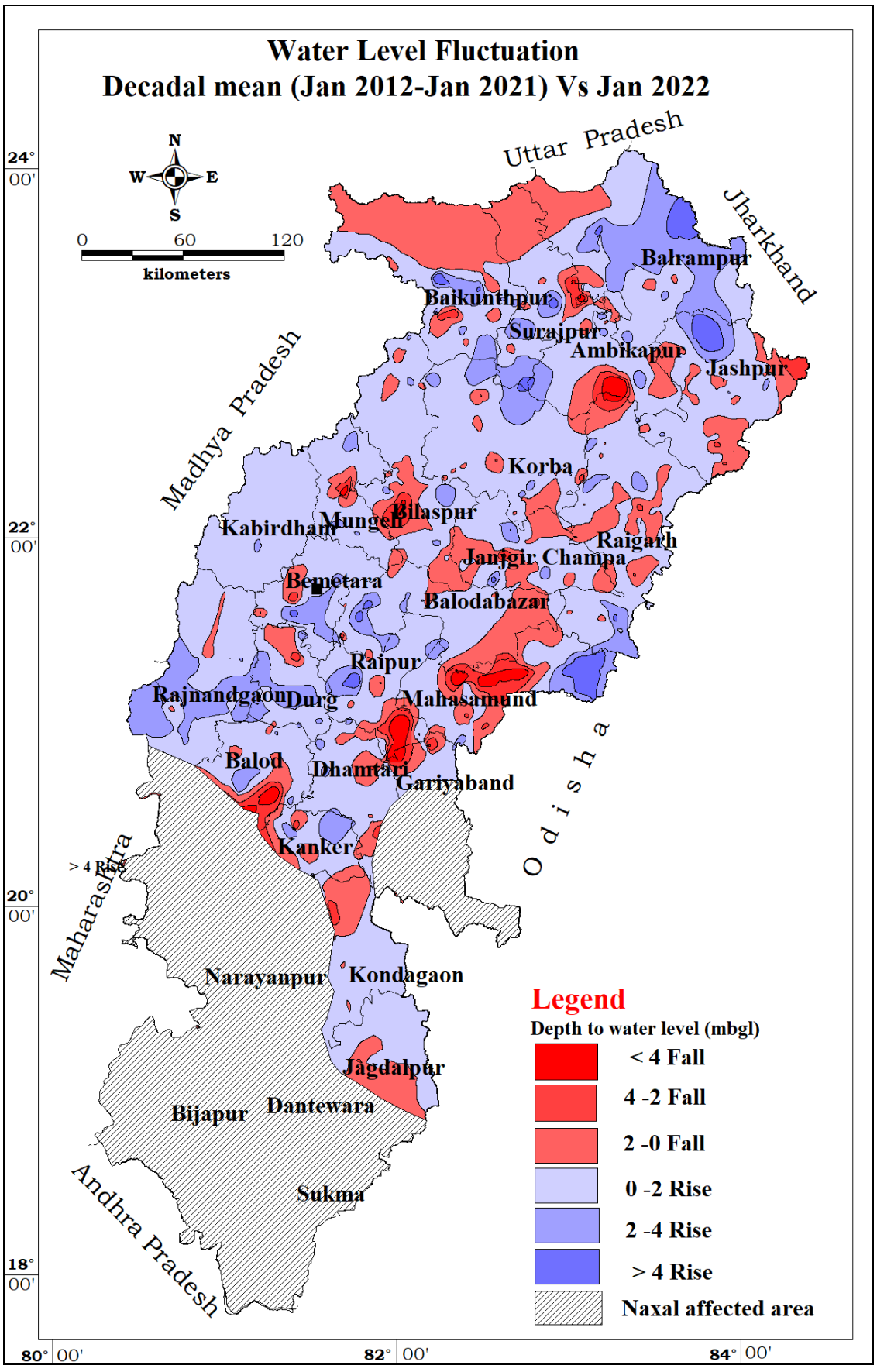


Fig 7.15 Depth to water level fluctuation (Decadal mean Jan 2012-2021 Vs Jan 2022)

Deeper Aquifer: Piezometer

Deeper aquifer (Piezometer) May 2021: In general, the depth to water level ranges ranges 0 to 5 m bgl is observed in approximately 21.1 % of the wells, 5 to 10 m bgl is observed in approximately 45.5 % of the wells and depth to water level range up to 10-15 m bgl is observed in 10.1 % of the wells in the state. 15 -20 in 7.1 % wells, 20 -25 in 8.8% wells and >25 in 6.6% wells in deeper aquifer. The deepest water level of 44.15 m bgl was monitored in Takhatpur block of Bilaspur district.

Deeper aquifer (Piezometer) Nov 2021: In general, the depth to water level ranges ranges 0 to 5 m bgl is observed in approximately 34.7 % of the wells, 5 to 10 m bgl is observed in approximately 33.9 % of the wells and depth to water level range up to 10-15 m bgl is observed in 13.0 % of the wells in the state. 15 -20 in 13.0 % wells, 20 -25 in 2.6 % wells and >25 in 2.6 % wells in deeper aquifer. The deepest water level of 50 m bgl was monitored in Basna block of Mahasamund district.

The district wise frequency distribution of different ranges of depth to water level is represented on a map and appended as Fig 7.16 (a) and 7.16 (b)

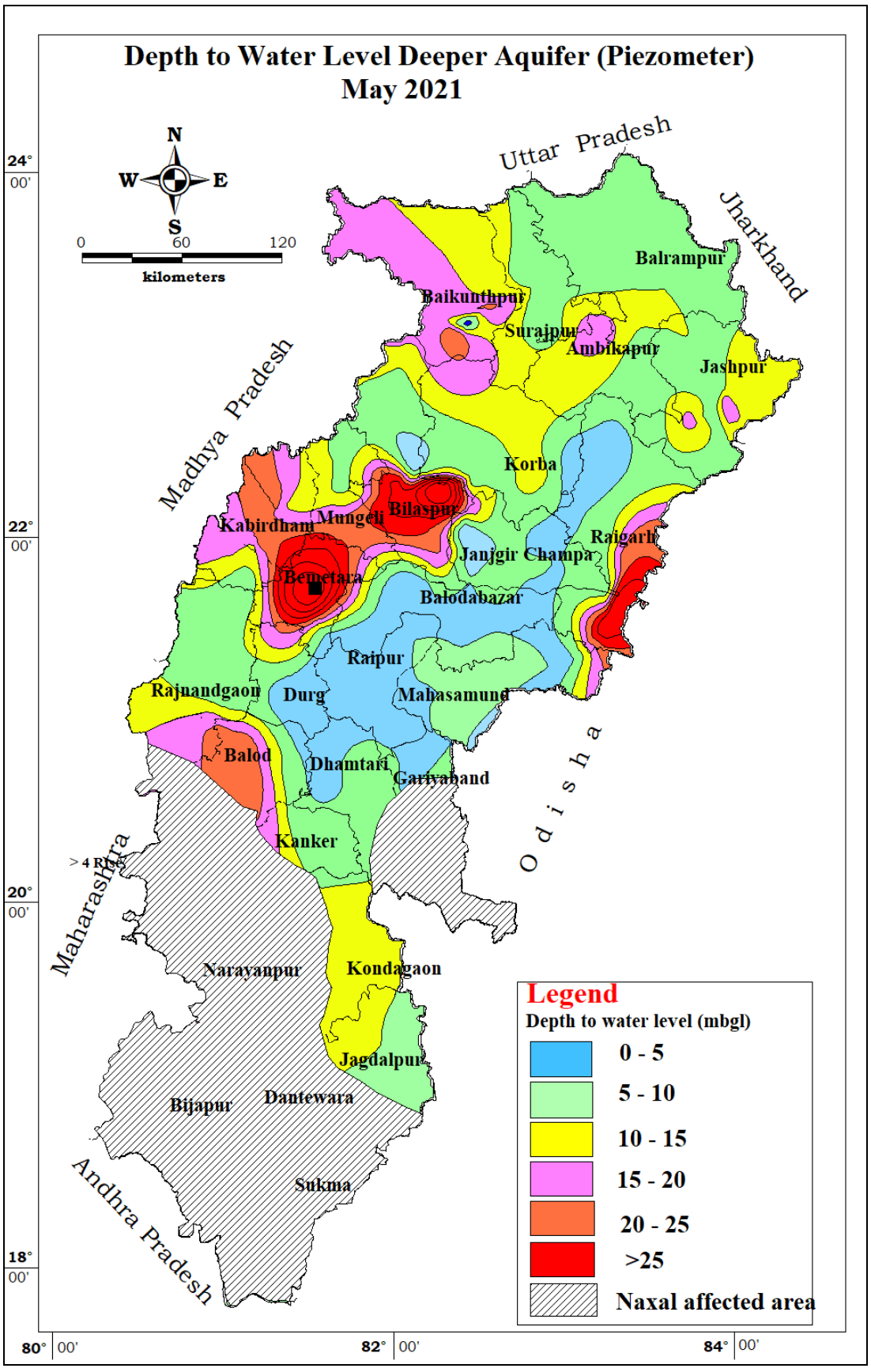


Fig 7.16 (a) Depth to water level in Piezometer (May 2021)

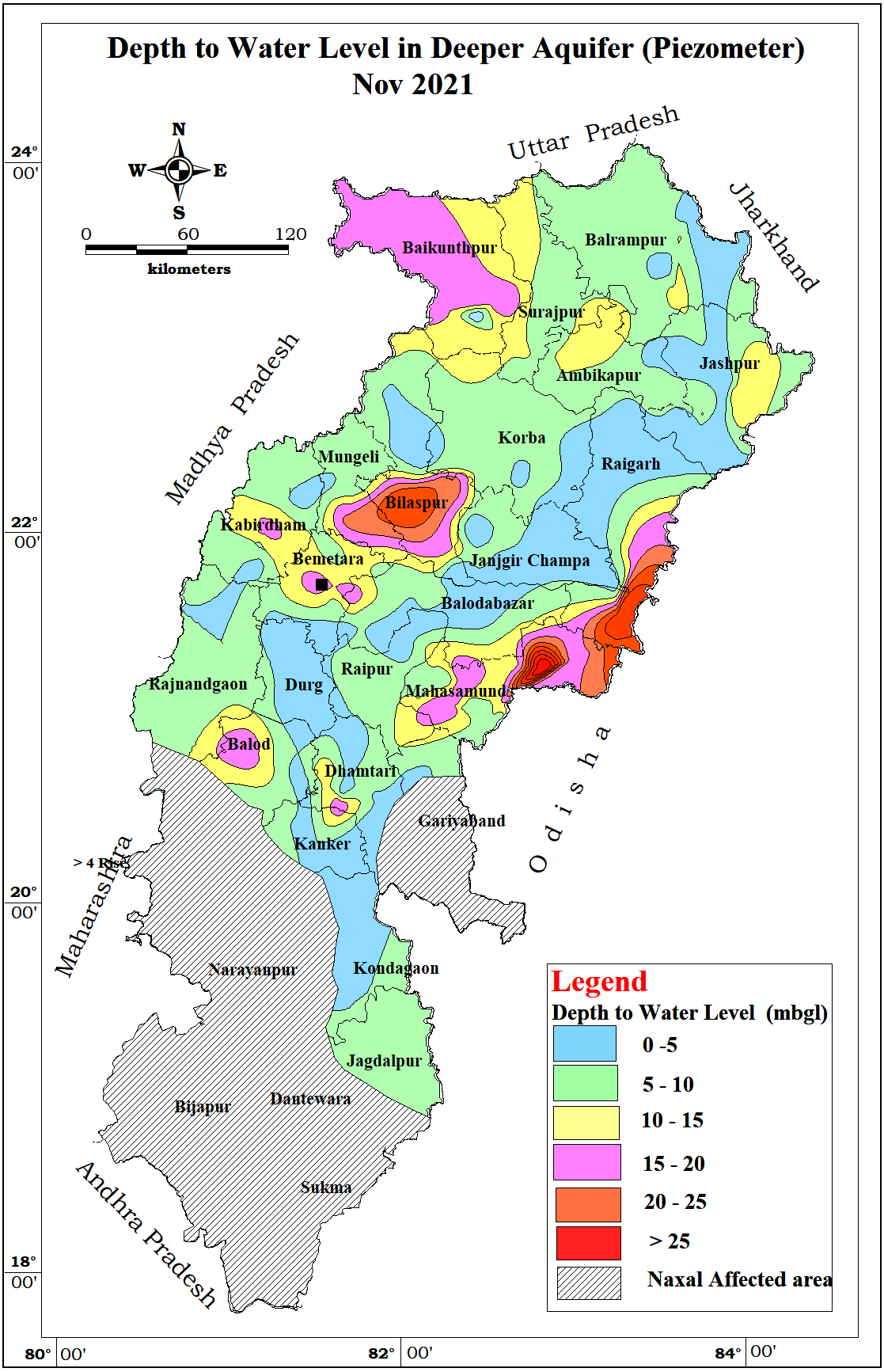
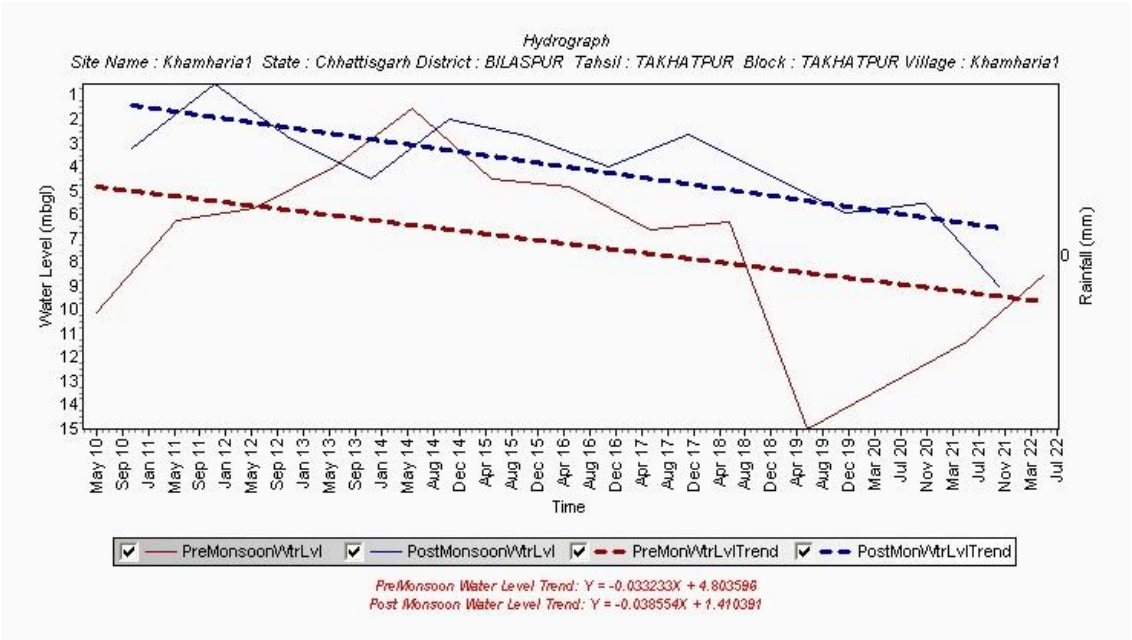


Fig 7.16 (b) Depth to water level in Piezometer (Nov 2021)

7.5 Long Term Water Level Trend (2010-222)

The long-term water level trend (2010-2022) of the phreatic aquifer was plotted for both the pre and post monsoon periods**.** For the premonsoon 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.



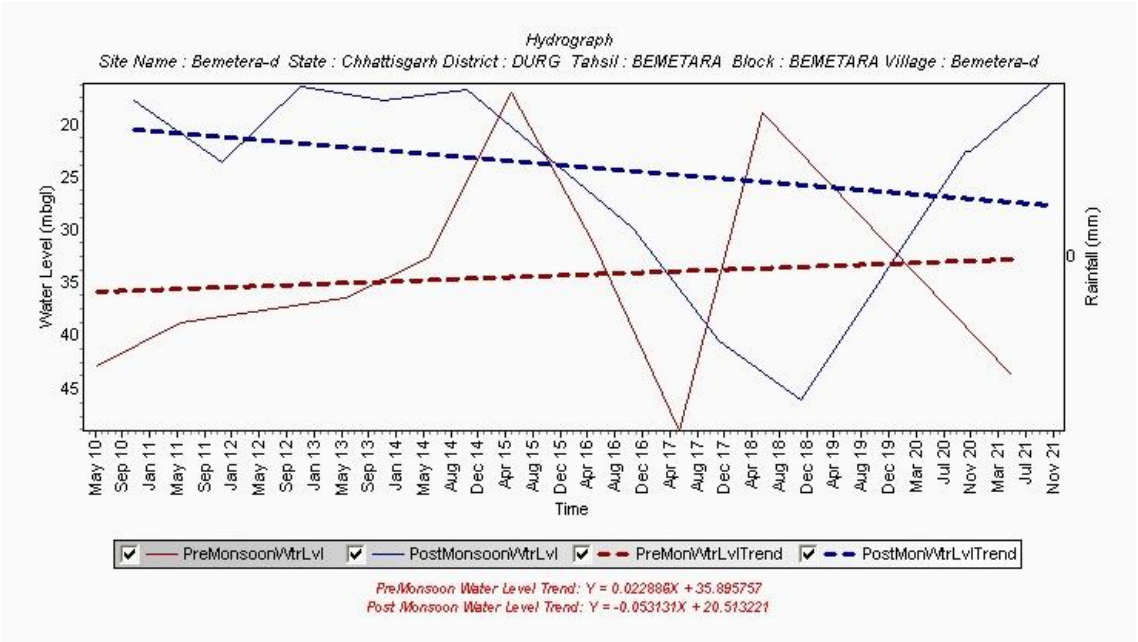


Fig 7.16 & 7.17 National Hydrograph station of Kahmharia village, Bilashpur district and Bemetatra village of Durg District of Chhattisgarh state respectively

The post monsoon decadal water level trend map of the phreatic aquifer presents a more alarming picture. **(Fig 7.16 & 7.17)** It shows large tracts of Bilaspur, 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 above.

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, 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 inhibits 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

Chemical constituents	Source Minerals
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, Pyrozenites, 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, Nephaline, 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.

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

Source	**Possible contaminants**
Landfills:	
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, wastewater)	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 CO_2 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 characterize 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

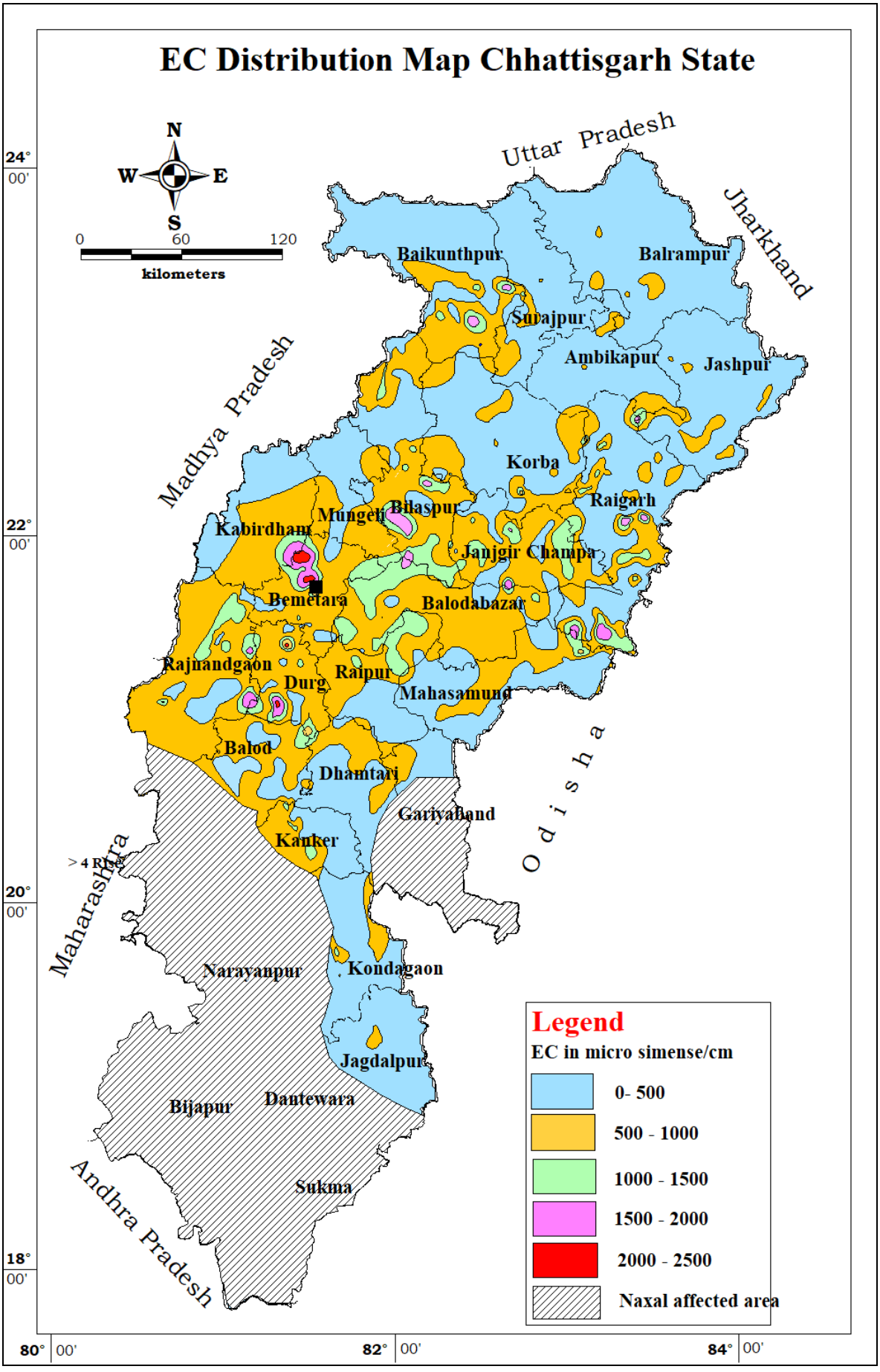
The chemical quality of ground water was determined from 1035 water samples collected from the phreatic aquifer randomly distributed throughout Chhattisgarh. The samples were collected in pure cleaned polythene containers after rinsing with the water samples and were stored in cool place. These samples were collected during the month of May 2021 in the premonsoon period, when the concentrations of ions were maximum. The water samples were analyzed for the major ions viz. pH, EC, CO_3, HCO_3, CI, Ca, Mg, TH, TA, Na, K, SO_4, NO_3 and F. The TDS, Total alkalinity were calculated by the obtained conductivity value and carbonate, bi carbonate ion concentration. The chemical analysis data are given in Annexure III. From the annexure it may be seen that the chemical quality of the ground water is suitable for drinking, domestic, industrial and agriculture uses in most of the places whereas in few places instinct of contamination is observed that is due to local phenomena.

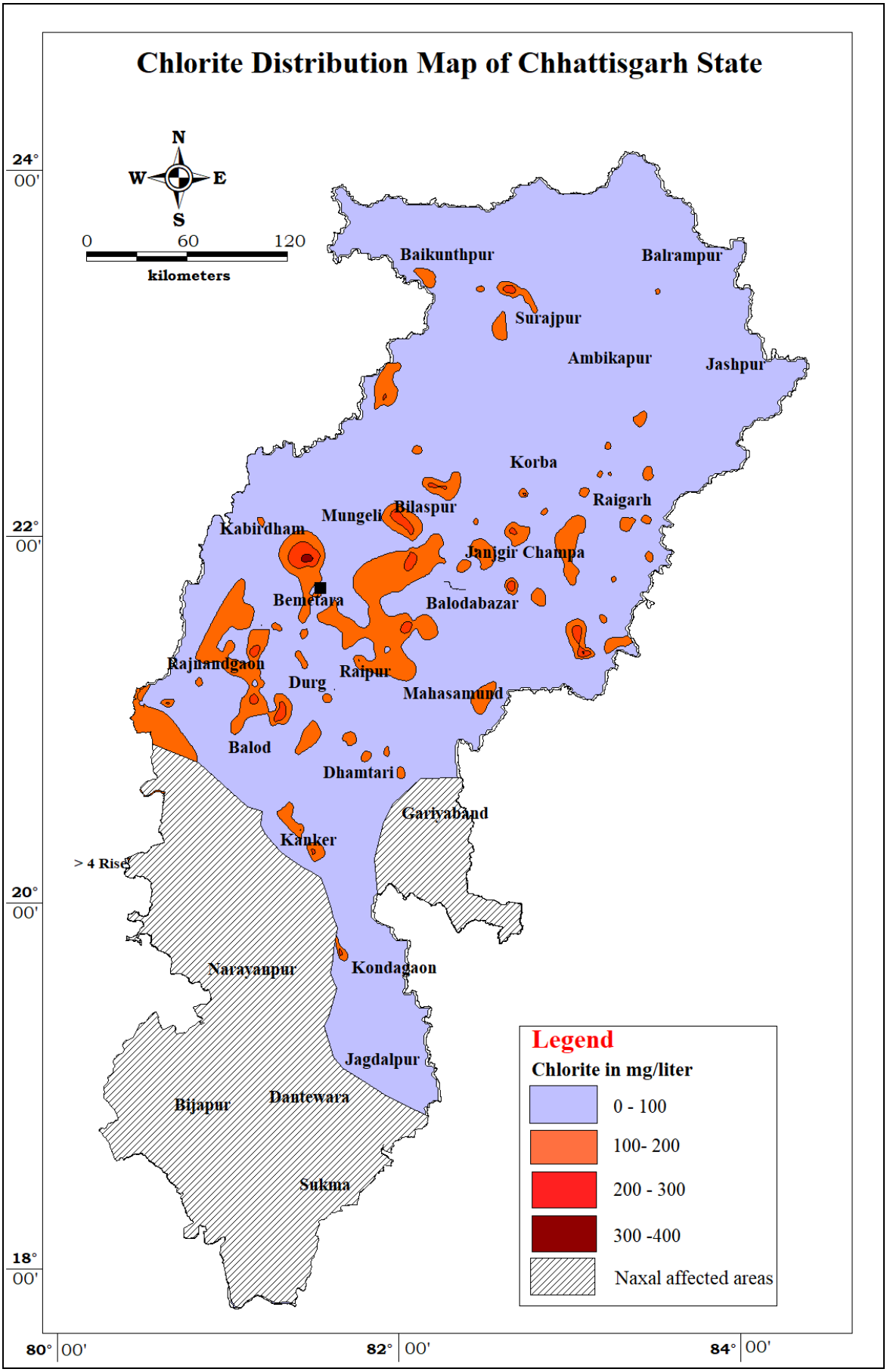
The Chemical analysis results revels the lowest pH value 6.45 was recorded at Chhapartoli village of Kunkuri block in Jashpur district and highest pH value 8.56 was recorded at Sambalpur village of Raigarh block in Raigarh district. The highest conductivity value 2280 µS/cm at 25°C was recorded at Kanhera village of Saja block in Bemetara district and lowest conductivity 34.5µS/cm at 25°C was recorded at Choranga village of Dharamjaigarh Block in Raigarh district.

The minimum hardness 6.1 mg/l was recorded at Farsakanhi village of Kunkuri Block in Jashpur district and maximum total hardness 950 mg/l was observed at Chilpi village of Bemetara block in Bemetara district. The minimum calcium concentration 02 mg/l was recorded at Bonda village, of Posur block in Raigarh district and maximum calcium concentration 330 mg/l was observed at Jabga village, Dharamgaigarh block in Raigarh district. The highest magnesium concentration 106 mg/l was recorded at Chhatana village, Kota block in Bilaspur district and lower most magnesium concentration was observed at Hasoud village of Jaijaipur block in Jangir- Champa district. Maximum sodium concentration 265 mg/l was

recorded at Khandapara village, block Bhaiyathan in Surajpur district. The highest potassium concentration 93 mg/l was recorded at Dagauri village of block Bilha in Bilapur district and lowest potassium concentration 0.05 mg/l was recorded at Farsakanhi village of Kunkuri block in Jashpur district.

The carbonate alkalinity was recorded 12 mg/l at Dhaneli village of Khairagarh block in Rajnandgoan district. The maximum value of Bicarbonate recorded 805 mg/l at Chilpi village of Bemetara block in Bemetara district and lowest value of bicarbonate 6.1 mg/l at Kedar village of Sarngarh block in Raigarh district. The lowest chloride concentration 3.5 mg/l was recorded at Sontarai village of Sitapur block in Surguja district. Highest chloride concentration 322 mg/l was recorded at Chilpi village of Bemetara block in Bemetara district. The highest sulphate 603 mg/l content was recorded at Pathariya village of Dhamdha block in Durg district. The high fluoride content (> 1.5 mg/l) was observed in 21 locations in following districts Raigarh, Surajpur, Bastar, Koriya, Bilaspur and Mahasamund. The highest fluoride concentration 2.1 mg/l was recorded at Tangargaon village of Kasavel block in Jashpur district. The highest Nitrate concentration 600 mg/l was observed at Jabga village of block Dharamgaigarh in district Raigarh. In 16.5 % groundwater samples the nitrate content was observed above (45 mg/l) permissible limit. The Uranium concentration above permissible limit observed 32 mg/l in Chachiya village of block Korba in Korba District.


EC Distribution Map Chhattisgarh State
N
W
E
S
0
60
120
kilometers
Uttar Pradesh
Jharkhand
Madhya Pradesh
Maharashtra
Andhra Pradesh
O d i s h a
Baikunthpur
Balrampur
Surajpur
Ambikapur
Jashpur
Korba
Raigarh
Mungeli
Bilaspur
Kabirdham
Janjgir Champa
Bemetara
Balodabazar
Rajnandgaon
Durg
Raipur
Mahasamund
Balod
Dhamtari
Gariyaband
Kanker
> 4 Rise
Narayanpur
Kondagaon
Jagdalpur
Bijapur
Dantewara
Sukma
Legend
EC in micro simense/cm
0- 500
500 - 1000
1000 - 1500
1500 - 2000
2000 - 2500
Naxal affected area
24° 00'
22° 00'
20° 00'
18° 00'
80° 00'
82° 00'
84° 00'


Chlorite Distribution Map of Chhattisgarh State
N
W
E
S
0
60
120
kilometers
24° 00'
22° 00'
20° 00'
18° 00'
80° 00'
82° 00'
84° 00'
Baikunthpur
Balrampur
Surajpur
Ambikapur
Jashpur
Korba
Raigarh
Mungeli
Bilaspur
Kabirdham
Janjgir Champa
Bemetara
Balodabazar
Rajnandgaon
Durg
Raipur
Mahasamund
Balod
Dhamtari
Gariyaband
Kanker
> 4 Rise
Narayanpur
Kondagaon
Jagdalpur
Bijapur
Dantewara
Sukma
Legend
Chlorite in mg/liter
0 - 100
100- 200
200 - 300
300 -400
Naxal affected areas

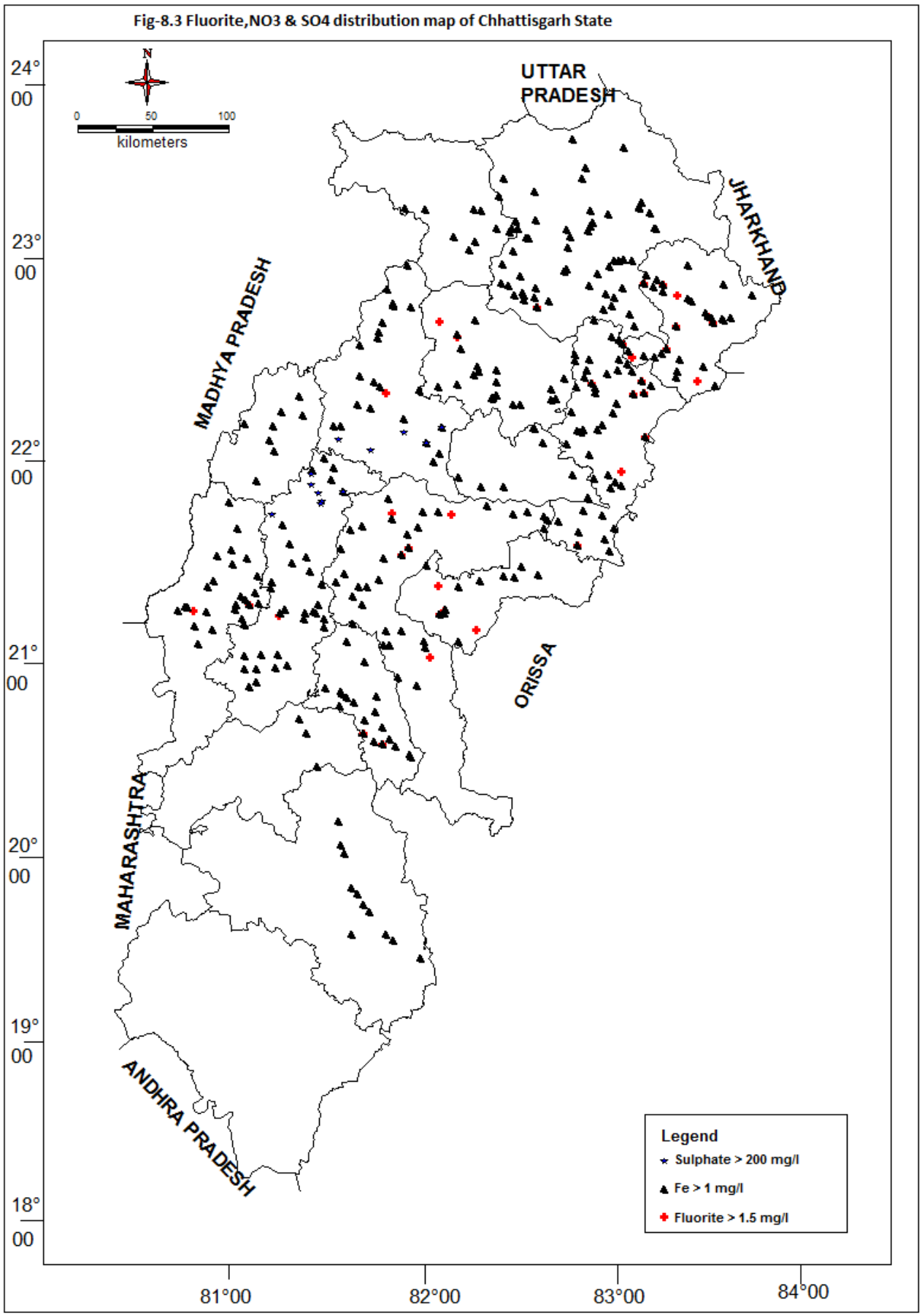


Fig-8.3 Fluorite,NO3 & SO4 distribution map of Chhattisgarh State
N
0
50
100
kilometers
UTTAR PRADESH
JHARKHAND
MADHYA PRADESH
ORISSA
MAHARASHTRA
ANDHRA PRADESH
24° 00
23° 00
22° 00
21° 00
20° 00
19° 00
18° 00
81°00
82°00
83°00
84°00
Legend
Sulphate > 200 mg/l
Fe > 1 mg/l
Fluorite > 1.5 mg/l

Details of National Hydrograph Stations **Annexure-I**

SN	Location	Depth of well	Basin	Geology
1	Arjunda	17.25	Mahanadi	Shale
2	Armarikalan	8.18	Mahanadi	Limestone/Dolomite
3	Baklitola	8	Mahanadi	Quartzite
4	Balod	11.65	Mahanadi	Compact Sandstone
5	Balod Gahan	7.1	Mahanadi	Compact Sandstone
6	Batera	5.43	Mahanadi	Compact Sandstone
7	Bharnabhat	15.22	Mahanadi	Limestone Cavernous
8	Danitola	7.8	Mahanadi	Quartzite
9	Delli Rajhara	3.55	Mahanadi	Conglomerate/Metasedimentary
10	Dondi	13.75	Mahanadi	Gneiss/Amphibolite/Granulite
11	Gunderdehi	10.3	Mahanadi	Shale
12	Gunderdehi1	48.66	Mahanadi	Shale
13	Gurur	12.17	Mahanadi	Compact Sandstone
14	Gurur-s	24.28	Mahanadi	Compact Sandstone
15	Jagtara	12.45	Mahanadi	Compact Sandstone
16	Kodiya	13.3	Mahanadi	Limestone Cavernous
17	Kusumkasa	9.3	Mahanadi	Acidic Rocks
18	Lohara	7.5	Mahanadi	Granite Gneiss
19	Markatola	10.27	Mahanadi	Compact Sandstone
20	Nahalda	7.75	Mahanadi	Shale
21	Paplatola	8.7	Mahanadi	Quartzite
22	Sambalpur	25.5	Mahanadi	Not Available
23	Sambalpur Pz I	151.9	Mahanadi	Maniyari shale
24	Sambalpur Pz Ii	63	Mahanadi	Maniyari shale
25	Sambalpur2	42.49	Mahanadi	Not Available
26	Sikosa	6.14	Mahanadi	Limestone/Dolomite
27	Umradah	12.5	Mahanadi	Shale with Limestone/Sandstone Band/Lens
28	Aouri	9.8	Mahanadi	Compact Sandstone
29	Arjuni	10.8	Mahanadi	Not Available
30	Arjuni S	50	Mahanadi	Shale with Limestone/Sandstone Band/Lens
31	Baloda bazar	15.4	Mahanadi	Shale
32	Baloda bazar1	67.15	Mahanadi	Limestone Cavernous
33	Bhatgaon	9.05	Mahanadi	Not Available
34	Bhattapara-S	28	Mahanadi	Limestone/Dolomite
35	Biladi	18	Mahanadi	Limestone
36	Bilaigarh	5.35	Mahanadi	Limestone/Dolomite
37	Bilaigarh S	50	Mahanadi	Limestone/Dolomite
38	Chanderi	9.8	Mahanadi	Limestone Cavernous
39	Chandi	7	Mahanadi	Not Available
40	Chicholi	15.5	Mahanadi	Limestone Cavernous

Details of National Hydrograph Stations **Annexure-I**

SN	Location	Depth of well	Basin	Geology
41	Darchura	10.7	Mahanadi	Shell Limestone/Limestone
42	Dhamarkhera	11.36	Mahanadi	Limestone/Dolomite
43	Haswa	14.83	Mahanadi	Limestone/Dolomite
44	Kasdol	9.27	Mahanadi	Limestone/Dolomite
45	Kasdol-d	75	Mahanadi	Limestone/Dolomite
46	Kasdol-s PZ	33.5	Mahanadi	Limestone/Dolomite
47	Khapri	13.5	Mahanadi	Not Available
48	Kharora	12.1	Mahanadi	Limestone/Dolomite
49	Lahaud	10.9	Mahanadi	Shale
50	Lahaud S	50	Mahanadi	Shale with Limestone/Sandstone Band/Lens
51	Lawan	9.69	Mahanadi	Limestone/Dolomite
52	Mahasamund-s PZ	36.5	Mahanadi	Shale
53	Mudhipar	6.9	Mahanadi	Limestone Cavernous
54	Pandan Bhata	10.45	Mahanadi	Limestone
55	Panderbhata S	50	Mahanadi	Shale with Limestone/Sandstone Band/Lens
56	Raita Satna Ni Para	10	Mahanadi	Limestone
57	Risda	12	Mahanadi	Limestone
58	Saragaon	7.2	Mahanadi	Limestone/Dolomite
59	Sarsiwa	10.14	Mahanadi	Granite/Granodiorite
60	Sel	9.3	Mahanadi	Limestone
61	Simga	10.43	Mahanadi	Shale
62	Simga-s	30.93	Mahanadi	Shale
63	Suhela	13.5	Mahanadi	Limestone Cavernous
64	Tarenga	17.11	Mahanadi	Shale
65	Tarpongi	8.25	Mahanadi	Limestone/Dolomite
66	Tatibandh MVM	13.1	Mahanadi	Limestone
67	Tilda	10.9	Mahanadi	Not Available
68	Tilda Purani Basti	15.53	Mahanadi	Limestone
69	Tilda S	50	Mahanadi	Shale with Limestone/Sandstone Band/Lens
70	Tundei	10.45	Mahanadi	Limestone
71	Urela	11.6	Mahanadi	Conglomerate/Metasedimentary
72	Alkadih	3	Mahanadi	Granite Gneiss
73	Amdih	7.8	Mahanadi	Granite Gneiss
74	Aragahi	11.2	Lower Ganges	Granite/Granodiorite
75	Bachwar	8	Lower Ganges	Gneiss/Amphibolite/Granulite
76	Bagra	8.35	Mahanadi	Sandstone
77	Balrampur	18	Lower Ganges	Granite/Granodiorite
78	Balrampur D	50	Lower Ganges	Granite Gneiss
79	Balrampur S	32.55	Lower Ganges	Granite Gneiss
80	Basin	7.5	Mahanadi	Granite Gneiss

Details of National Hydrograph Stations **Annexure-I**

SN	Location	Depth of well	Basin	Geology
81	Bhadori	6.75	Lower Ganges	Shale With Limestone/Sandstone Band/Lens
82	Bulga	11	Lower Ganges	Compact Sandstone
83	Chandora	7.01	Lower Ganges	Compact Sandstone
84	Dhamni	11.7	Lower Ganges	Gneiss/Amphibolite/Granulite
85	Dhaurpur	9	Lower Ganges	Gneiss/Amphibolite/Granulite
86	Dhaurpur S	50	Lower Ganges	Granite Gneiss
87	Gonda	16.47	Lower Ganges	Compact Sandstone
88	Jagannathpur	8.35	Lower Ganges	Sandstone
89	Karmdiha	10.17	Lower Ganges	Gneiss/Amphibolite/Granulite
90	Kurji	9.15	Mahanadi	Sandstone
91	Lamgaon	6.7	Lower Ganges	Shale With Limestone/Sandstone Band/Lens
92	Lundra	10	Lower Ganges	Gneiss/Amphibolite/Granulite
93	Lundra S	50	Lower Ganges	Granite Gneiss
94	Mahavirganj	8.6	Lower Ganges	Granite/Granodiorite
95	Mahewa	9.85	Lower Ganges	Compact Sandstone
96	Makanpur	12.2	Lower Ganges	Sandstone
97	Nawdih	10.5	Mahanadi	Limestone
98	Pasta	12	Lower Ganges	Granite/Granodiorite
99	Pasta S	50	Lower Ganges	Granite Gneiss
100	Pratappur	12	Lower Ganges	Granite/Granodiorite
101	Pratappur - 1	12	Lower Ganges	Granite/Granodiorite
102	Rajpur	14.56	Lower Ganges	Compact Sandstone
103	Rajpur1	30.9	Lower Ganges	Schist/Talc
104	Ramanujganj	12.8	Lower Ganges	Gneiss/Amphibolite/Granulite
105	Reonti	13.05	Lower Ganges	Sandstone
106	Sargaon	9.4	Mahanadi	Granite Gneiss
107	Shankargarh S	50	Lower Ganges	Granite Gneiss
108	Songara	15	Lower Ganges	Compact Sandstone
109	Songara1	31	Lower Ganges	Compact Sandstone
110	Tattapani	12.9	Lower Ganges	Compact Sandstone
111	Tattapani1	30.52	Lower Ganges	Granite Gneiss
112	Veria	11	Mahanadi	Sandstone With Shale/Coal Partings
113	Wadrafnagar	14	Lower Ganges	Compact Sandstone
114	Bare arapur	20	Godavari	Gneiss/Amphibolite/Granulite
115	Bastar	14	Godavari	Limestone/Dolomite
116	Bhanpuri	6.55	Godavari	Limestone/Dolomite
117	Bhanpuri-d	42.53	Godavari	Limestone/Dolomite
118	Bhanpuri-s	30.92	Godavari	Limestone/Dolomite
119	Chhapanbhanpuri	9.4	Godavari	Limestone/Dolomite
120	Chitrakot	9.9	Godavari	Compact Sandstone

Details of National Hydrograph Stations **Annexure-I**

SN	Location	Depth of well	Basin	Geology
121	Jagdalpur	11	Godavari	Limestone/Dolomite
122	Jagdalpur.1	8.17	Godavari	Not Available
123	Jagdalpur-s PZ	28.07	Godavari	Alluvium
124	Karpawand	8.5	Godavari	Limestone/Dolomite
125	Kumharwand	9.5	Godavari	Limestone/Dolomite
126	Markel	9.86	Godavari	Shale
127	Nagarnar1	9.3	Godavari	Shaly Limestone
128	Neganar	12.58	Godavari	Limestone/Dolomite
129	Sonarpal	9.75	Godavari	Compact Sandstone
130	Andhiyarkhor	12.02	Mahanadi	Compact Sandstone
131	Ashoga	10.95	Mahanadi	Limestone/Dolomite
132	Bemetara New	16.78	Mahanadi	Shale
133	Bemetera-s	39.83	Mahanadi	Shale
134	Berla	7.4	Mahanadi	Limestone/Dolomite
135	Bitkuli	8.8	Mahanadi	Shale
136	Dadhi1	12	Mahanadi	Shale
137	Deorbija	9.63	Mahanadi	Limestone/Dolomite
138	Ganiya	5.55	Mahanadi	Shale
139	Gatapar	9.5	Mahanadi	Limestone/Dolomite
140	Jamgaon	9.5	Mahanadi	Limestone/Dolomite
141	Kathiya	16.1	Mahanadi	Shale With Sandstone Partings
142	Kedwa	6.6	Mahanadi	Limestone/Dolomite
143	Khati	8.23	Mahanadi	Shale
144	Khurmuri	14	Mahanadi	Shale
145	Medasar	10.7	Mahanadi	Quartzite
146	Nawagarh1	8.5	Mahanadi	Shale
147	Nawagarh-d	75.62	Mahanadi	Shale
148	Nawagarh-s	30.5	Mahanadi	Shale
149	Ninwa	11.32	Mahanadi	Shale
150	Parpoda	14	Mahanadi	Limestone/Dolomite
151	Saja Pz Ii	51.3	Mahanadi	Maniyari shale
152	Saja Pzi	151.9	Mahanadi	Maniyari shale
153	Semariya	151.3	Mahanadi	Maniyari shale
154	bakarkuda	0	Mahanadi	Limestone
155	Bansajhal	8.33	Mahanadi	Compact Sandstone
156	Bansajhal1 PZ	37.22	Mahanadi	Schist/Talc
157	Bartoli	9.45	Mahanadi	Limestone
158	Belgahana	11	Mahanadi	Phyllite
159	Beltara	9.65	Mahanadi	Compact Sandstone
160	Bilaspur	15.5	Mahanadi	Limestone/Dolomite

Details of National Hydrograph Stations **Annexure-I**

SN	Location	Depth of well	Basin	Geology
161	Bilha	13.7	Mahanadi	Limestone/Dolomite
162	Chakrabhata-d PZ	54.8	Mahanadi	Limestone/Dolomite
163	Chandkhuri (d)	74.4	Mahanadi	Not Available
164	Chandkhuri (s)	50	Mahanadi	Not Available
165	Chilhati	10.2	Mahanadi	Limestone/Dolomite
166	chilhati	50	Mahanadi	Limestone
167	Dagauri	11.38	Mahanadi	Not Available
168	Danikundi	20	Lower Ganges	Granite/Granodiorite
169	Dhanpur	10.8	Lower Ganges	Granite/Granodiorite
170	Ganiyari	50	Mahanadi	Not Available
171	Ganiyari.2	11.4	Mahanadi	Shale
172	Gatori	6.45	Mahanadi	Limestone/Dolomite
173	Gaurela	8.79	Lower Ganges	Granite/Granodiorite
174	Hemu Nagar	7.92	Mahanadi	Limestone/Dolomite
175	Hirri	11.15	Mahanadi	Limestone/Dolomite
176	Jhingatpur	9.1	Mahanadi	Phyllite
177	Jogipur	12.1	Mahanadi	Quartzite
178	Kargikhurud	13.1	Mahanadi	Shale With Limestone/Sandstone Band/Lens
179	Kenda	10.9	Mahanadi	Phyllite
180	Keonchi	10.56	Mahanadi	Granite/Granodiorite
181	Keonchi (D)	100	Mahanadi	Not Available
182	Keonchi (s)	50	Mahanadi	Not Available
183	Khamharia1	17	Mahanadi	Shale
184	Khamharia2	10.9	Mahanadi	Quartzite
185	Kota PZ	31.07	Mahanadi	Shale
186	Kota(kargi)	19.82	Mahanadi	Limestone/Dolomite
187	Kotmi.1	17.75	Mahanadi	Granite/Granodiorite
188	Madanpur	15.1	Mahanadi	Shale With Limestone/Sandstone Band/Lens
189	Malhar	7.85	Mahanadi	Limestone/Dolomite
190	Marwahi	14.12	Lower Ganges	Compact Sandstone
191	Masturi	12	Mahanadi	Shale
192	Masturi1	10.95	Mahanadi	Shale
193	Neora	12.6	Mahanadi	Limestone Cavernous
194	Nimdha	8.5	Lower Ganges	Granite Gneiss
195	Panchpedi	10.4	Mahanadi	Limestone/Dolomite
196	Patera	6.8	Mahanadi	Granite Gneiss
197	Pendra Road	50	Lower Ganges	Not Available
198	Piparkhuti	7	Mahanadi	Granite/Granodiorite
199	Piperkhutinew	6.8	Mahanadi	Granite Gneiss
200	Ranka Pz I	149.2	Mahanadi	Maniyari shale

Details of National Hydrograph Stations **Annexure-I**

SN	Location	Depth of well	Basin	Geology
201	Ranka Pz Ii	51.6	Mahanadi	Maniyari shale
202	Ratanpur	10.78	Mahanadi	Shale
203	Rupandand	4.8	Mahanadi	Granite Gneiss
204	Saraipalli	11.3	Mahanadi	Granite/Granodiorite
205	Seoni	11.6	Lower Ganges	Granite/Granodiorite
206	Sewra	8.8	Lower Ganges	Granite Gneiss
207	Shivtarai New	10.5	Mahanadi	Granite Gneiss
208	Sipat	50	Mahanadi	Shaly Limestone
209	Takhatpur.1	10	Mahanadi	Sandy Shale
210	Tendumuda	13.2	Lower Ganges	Sandstone
211	Tenduwa	11.1	Mahanadi	Granite/Granodiorite
212	Tikthi	12	Lower Ganges	Compact Sandstone
213	Udaypur	7.8	Mahanadi	Shale With Limestone/Sandstone Band/Lens
214	Arsi-kanhar	12	Mahanadi	Granite/Granodiorite
215	Banraud - I	7	Mahanadi	Compact Sandstone
216	Banraud D	81	Mahanadi	Quartzite
217	Banraud S	50	Mahanadi	Quartzite
218	Banspani	12.54	Mahanadi	Granite/Granodiorite
219	Bhoyana	8.7	Mahanadi	Limestone Cavernous
220	Birgudi	11	Mahanadi	Granite/Granodiorite
221	Budepara	7.6	Mahanadi	Sandstone
222	Chataud S	50	Mahanadi	Compact Sandstone
223	Chhati	10.65	Mahanadi	Limestone/Dolomite
224	Chhati S	50	Mahanadi	Limestone Cavernous
225	Dhamtari1 PZ	51.75	Mahanadi	Limestone Cavernous
226	Dorgardula	11.21	Mahanadi	Granite/Granodiorite
227	Dugli	7.8	Mahanadi	Granite/Granodiorite
228	Dugli - I	7.7	Mahanadi	Granite/Granodiorite
229	Gangrel S	50	Mahanadi	Granite Gneiss
230	Gattasilli	9.1	Mahanadi	Not Available
231	Jabarra	6.1	Mahanadi	Not Available
232	Keregaon	8	Mahanadi	Granite/Granodiorite
233	Kondapar	10.6	Mahanadi	Shale
234	Kosmarra	8.2	Mahanadi	Not Available
235	Kurud S	50	Mahanadi	Shale With Limestone/Sandstone Band/Lens
236	Kurud.1	9.4	Mahanadi	Limestone Cavernous
237	Magarlod	12	Mahanadi	Compact Sandstone
238	Magarlod D	61	Mahanadi	Shaly Limestone
239	Magarlod S	36.66	Mahanadi	Shaly Limestone
240	Marod	10.66	Mahanadi	Laterite

Details of National Hydrograph Stations **Annexure-I**

SN	Location	Depth of well	Basin	Geology
241	Mega	11	Mahanadi	Limestone
242	Murrumsilli S	50	Mahanadi	Granite Gneiss
243	Nagari PZ	36.58	Mahanadi	Granite/Granodiorite
244	Nagri	7.25	Mahanadi	Granite/Granodiorite
245	Nagri-1	10.05	Mahanadi	Granite/Granodiorite
246	Sankra	11.5	Mahanadi	Granite/Granodiorite
247	Seadei	7.6	Mahanadi	Sandstone
248	Sihawa	7.12	Mahanadi	Granite/Granodiorite
249	Singhpur	10.68	Mahanadi	Compact Sandstone
250	Ahiwara	10.55	Mahanadi	Limestone/Dolomite
251	Anda	7.12	Mahanadi	Shale
252	Anda-I	9	Mahanadi	Shale
253	Bhailai	8.2	Mahanadi	Limestone/Dolomite
254	Charoda	7.05	Mahanadi	Limestone/Dolomite
255	Dargaon	8.65	Mahanadi	Limestone/Dolomite
256	Dhamdha-s	30.55	Mahanadi	Limestone Cavernous
257	Durg	10.23	Mahanadi	Limestone/Dolomite
258	Funda	9.44	Mahanadi	Limestone/Dolomite
259	Ganiyari	13.1	Mahanadi	Limestone/Dolomite
260	Girhola	20.5	Mahanadi	Shale
261	Jeora Sirsa	9.8	Mahanadi	Limestone/Dolomite
262	Kachundur	8.9	Mahanadi	Shale With Limestone/Sandstone Band/Lens
263	Kandraka	8.6	Mahanadi	Limestone
264	Kumhari	30.46	Mahanadi	Limestone/Dolomite
265	Litai	14	Mahanadi	Limestone/Dolomite
266	Marra	11.2	Mahanadi	Limestone/Dolomite
267	Motipur	9.83	Mahanadi	Limestone/Dolomite
268	Paoowara	9.45	Mahanadi	Limestone Cavernous
269	Patan	14.4	Mahanadi	Shale
270	Pawa Pz	149.2	Mahanadi	Maniyari shale
271	Pendri	9.3	Mahanadi	Limestone
272	Powara	7.4	Mahanadi	Limestone Cavernous
273	Ravelidih	9.3	Mahanadi	Limestone/Dolomite
274	Selud1	10	Mahanadi	Limestone/Dolomite
275	Selud2	27.03	Mahanadi	Limestone/Dolomite
276	Tarkori	9.05	Mahanadi	Shale With Limestone/Sandstone Band/Lens
277	Utai-Adarshnagar	6	Mahanadi	Shale With Limestone/Sandstone Band/Lens
278	Bindra nawagarh	8.75	Mahanadi	Granite/Granodiorite
279	Chhura	11.25	Mahanadi	Granite/Granodiorite
280	Gariabandh-s	75.62	Mahanadi	Granite/Granodiorite

Details of National Hydrograph Stations **Annexure-I**

SN	Location	Depth of well	Basin	Geology
281	Gariyaband	10.55	Mahanadi	Granite/Granodiorite
282	Gariyaband -1	10.75	Mahanadi	Granite/Granodiorite
283	Gohrapadar - 1	7.35	Mahanadi	Granite/Granodiorite
284	Indagaon	8.1	Mahanadi	Granite/Granodiorite
285	Jalkhamar	9.35	Mahanadi	Granite/Granodiorite
286	Jhariabara	10.6	Mahanadi	Granite Gneiss
287	Joba	6.52	Mahanadi	Granite/Granodiorite
288	Panduka	10.77	Mahanadi	Compact Sandstone
289	Adbhar	8.3	Mahanadi	Shale
290	Akaltara	13.76	Mahanadi	Limestone/Dolomite
291	Akaltara S	50	Mahanadi	Shale With Limestone/Sandstone Band/Lens
292	Baloda -r	14.83	Mahanadi	Limestone/Dolomite
293	Baloda S	50	Mahanadi	Shale With Limestone/Sandstone Band/Lens
294	Bamhani	15.4	Mahanadi	Gneiss/Amphibolite/Granulite
295	Bamnidihi	10	Mahanadi	Shale
296	Baradwar D	100	Mahanadi	Shale With Limestone/Sandstone Band/Lens
297	Baradwar S	50	Mahanadi	Shale With Limestone/Sandstone Band/Lens
298	Budena	13.1	Mahanadi	Granite Gneiss
299	Champa	12.3	Mahanadi	Limestone/Dolomite
300	Champa-d PZ	65.5	Mahanadi	Shaly Limestone
301	Champa-s PZ	41.87	Mahanadi	Shaly Limestone
302	Chandrapur1	23.32	Mahanadi	Alluvium
303	Dabra	9.87	Mahanadi	Compact Sandstone
304	Damau	7.92	Mahanadi	Sandstone
305	Dhardei	11.48	Mahanadi	Shale
306	Dhurkot Nhs	12.8	Mahanadi	Shale With Limestone/Sandstone Band/Lens
307	Dongakahrod	13.9	Mahanadi	Limestone/Dolomite
308	Ghoghari	8.52	Mahanadi	Shale
309	Hasoud	9.54	Mahanadi	Shale
310	Jaijaipur	12.13	Mahanadi	Shale
311	Jaijaipur D	100	Mahanadi	Shale With Limestone/Sandstone Band/Lens
312	Jaijaipur S	50	Mahanadi	Shale With Limestone/Sandstone Band/Lens
313	Janjgir	19.95	Mahanadi	Shale
314	Janjgir S	50	Mahanadi	Shale With Limestone/Sandstone Band/Lens
315	Jewara	12.14	Mahanadi	Limestone
316	Jhulan Pakariya	11.8	Mahanadi	Limestone/Dolomite
317	Kera	8.73	Mahanadi	Shale
318	Khartal	10.72	Mahanadi	Limestone/Dolomite
319	Konargarh	6.36	Mahanadi	Shale
320	Latesara	10.52	Mahanadi	Shale

Details of National Hydrograph Stations **Annexure-I**

SN	Location	Depth of well	Basin	Geology
321	Loharsi	10.2	Mahanadi	Granite Gneiss
322	Malkhroda	15.37	Mahanadi	Shale
323	Mulmula	10	Mahanadi	Limestone Cavernous
324	Pamgarh	18.33	Mahanadi	Shale
325	Pamgarh D	100	Mahanadi	Shale With Limestone/Sandstone Band/Lens
326	Pamgarh S	50	Mahanadi	Shale With Limestone/Sandstone Band/Lens
327	Sakti	20.81	Mahanadi	Shale
328	Sakti S	50	Mahanadi	Shale With Limestone/Sandstone Band/Lens
329	Saliabhata	13.1	Mahanadi	Granite Gneiss
330	Sapos	10.5	Mahanadi	Granite Gneiss
331	Saragaon2	13.12	Mahanadi	Shale
332	Sasaha	6.9	Mahanadi	Shale
333	Semra	15.4	Mahanadi	Limestone/Dolomite
334	Seorinarayan	11.4	Mahanadi	Alluvium
335	Seorinarayan1 PZ	30.15	Mahanadi	Alluvium
336	Somthi	10.9	Mahanadi	Shale With Limestone/Sandstone Band/Lens
337	Sukda	7.4	Mahanadi	Compact Sandstone
338	Thathari	11.3	Mahanadi	Shale
339	Amatolli	5.2	Mahanadi	Granite/Granodiorite
340	Bagbahar S	50	Mahanadi	Granite Gneiss
341	Bagicha	6.82	Mahanadi	Gneiss/Amphibolite/Granulite
342	Bagicha PZ	41.63	Mahanadi	Gneiss/Amphibolite/Granulite
343	Balachhappar	12.25	Mahanadi to Ganges Water Resources Region	Granite Gneiss
344	Bandarchuwa	10.75	Mahanadi	Granite/Granodiorite
345	Banderchua S	50	Mahanadi	Granite Gneiss
346	Bangaon	8.24	Mahanadi	Granite/Granodiorite
347	Bangaon B	50	Mahanadi	Granite Gneiss
348	Bataikela	8.87	Mahanadi	Gneiss/Amphibolite/Granulite
349	Bewrapali	8	Mahanadi	Not Available
350	Bildagi	8.5	Mahanadi	Granite Gneiss
351	Binjapur	7.5	Mahanadi	Granite/Granodiorite
352	Bthighara	12.1	Mahanadi	Granite Gneiss
353	Chhapartoli	7.5	Mahanadi	Not Available
354	Dhodidand	6.6	Mahanadi	Granite/Granodiorite
355	Farsabahar	4.65	Mahanadi	Not Available
356	Farsakanhi	8.44	Mahanadi	Granite/Granodiorite
357	Ghatmunda	9.4	Mahanadi	Granite/Granodiorite
358	Jakba	10	Mahanadi to Ganges Water	Granite Gneiss

Details of National Hydrograph Stations **Annexure-I**

SN	Location	Depth of well	Basin	Geology
			Resources Region	
359	Jashpurnagar	10.35	do	Granite/Granodiorite
360	Kachhor	9.8	Mahanadi	Granite Gneiss
361	Kandaibahar	6.1	Mahanadi	Granite Gneiss
362	Kandora	10.5	Mahanadi	Granite Gneiss
363	Kansabel	12.3	Mahanadi	Granite/Granodiorite
364	Kasawel S	50	Mahanadi	Granite Gneiss
365	Kersai	7.98	Mahanadi	Granite/Granodiorite
366	Khutsera	7.45	Mahanadi	Not Available
367	Kotba	6.85	Mahanadi	Granite/Granodiorite
368	Kunjara	7.8	Mahanadi	Granite/Granodiorite
369	Kunkuri S	50	Mahanadi	Granite Gneiss
370	Kunkuri1	7.4	Mahanadi	Granite/Granodiorite
371	Lavakera	9.25	Mahanadi	Gneiss/Amphibolite/Granulite
372	Lavakera1	41.5	Mahanadi	Gneiss/Amphibolite/Granulite
373	Ludeg	6.99	Mahanadi	Gneiss/Amphibolite/Granulite
374	Maini	8.5	Mahanadi	Granite/Granodiorite
375	Mauhadih	9.1		Gneiss/Amphibolite/Granulite
376	Muskuti	7.99	Mahanadi	Granite/Granodiorite
377	Narayanbaheli	8.25	Mahanadi	Granite Gneiss
378	Narayanpur S	50	Mahanadi	Granite Gneiss
379	Nawaguda	9.6	Mahanadi	Granite Gneiss
380	Palidih	10.5	Mahanadi	Granite Gneiss
381	Pathalgaon	14.23	Mahanadi	Granite/Granodiorite
382	Pathalgaon S	50	Mahanadi	Granite Gneiss
383	Pathalgaon1 PZ	26.93	Mahanadi	Gneiss/Amphibolite/Granulite
384	Patratoli	7.8	Mahanadi	Granite Gneiss
385	Peta	7.73	Mahanadi	Granite Gneiss
386	Phooldih	6	Lower Ganges	Granite Gneiss
387	Raikera	7	Mahanadi	Granite/Granodiorite
388	Raikera(Kunkuri)	7.75	Lower Ganges	Granite Gneiss
389	Raoni	5.65	Mahanadi	Granite Gneiss
390	Rupsera	7.79	Mahanadi to Ganges Water Resources Region	Granite/Granodiorite
391	Sanna	14.8	Lower Ganges	Granite Gneiss
392	Saraipani	8.3	Mahanadi	Granite/Granodiorite
393	Sarhapani	9.8	Lower Ganges	Gneiss/Amphibolite/Granulite

Details of National Hydrograph Stations **Annexure-I**

SN	Location	Depth of well	Basin	Geology
394	Sarkardih	9.93	Mahanadi to Ganges Water Resources Region	Granite/Granodiorite
395	Sonquari	16	Mahanadi	Granite Gneiss
396	Srishringa	6.9	Mahanadi	Granite/Granodiorite
397	Surangpani New	8.4	Mahanadi	Granite/Granodiorite
398	Tapkara	11	Mahanadi	Granite/Granodiorite
399	Tapkara S	50	Mahanadi	Granite Gneiss
400	Charama2	8.82	Mahanadi	Granite/Granodiorite
401	Govindpur	7.15	Mahanadi	Gneiss/Amphibolite/Granulite
402	Kanker	14	Mahanadi	Gneiss/Amphibolite/Granulite
403	Kanker1 PZ	30.56	Mahanadi	Granite/Granodiorite
404	Kulgaon	9.9	Mahanadi	Gneiss/Amphibolite/Granulite
405	Bharamdeo D	100	Mahanadi	Shale
406	Bharamdeo S	50	Mahanadi	Shale With Limestone/Sandstone Band/Lens
407	Bodla	14.5	Mahanadi	Limestone/Dolomite
408	Bodla1 PZ	27.73	Mahanadi	Schist/Talc
409	Chilpi	9.85	Narmada	Schist/Talc
410	Danganiya	10.3	Mahanadi	Limestone/Dolomite
411	Dhandgaon	12.4	Mahanadi	Limestone
412	Kapada	10	Mahanadi	Limestone/Dolomite
413	Kawardha S	50	Mahanadi	Shale
414	Kawardha1	11	Mahanadi	Limestone/Dolomite
415	Khadoula	8.75	Mahanadi	Shale
416	Kharoda Kalan	9.2	Mahanadi	Limestone/Dolomite
417	Kui	9.75	Mahanadi	Granite/Granodiorite
418	Lohara-d PZ	52	Mahanadi	Shale
419	Lohara-s PZ	24.56	Mahanadi	Shale
420	Munmuna	9.8	Mahanadi	Phyllite
421	Rajnanwagaon	5.52	Mahanadi	Schist/Talc
422	Sagona S	27.9	Mahanadi	Granite Gneiss
423	Sahaspur lohara	6.39	Mahanadi	Limestone/Dolomite
424	Sahaspur Lohara.1	11.15	Mahanadi	Not Available
425	Sarai Patera S	16	Mahanadi	Granite Gneiss
426	Saroda Dadar S	50	Mahanadi	Granite Gneiss
427	Singhari D	100	Mahanadi	Shale With Limestone/Sandstone Band/Lens
428	Singhari S	50	Mahanadi	Shale With Limestone/Sandstone Band/Lens
429	Uria Khurud	9	Mahanadi	Shale With Limestone/Sandstone Band/Lens
430	Batrail	9.07	Godavari	Gneiss/Amphibolite/Granulite
431	Ghodagaon	9.6	Godavari	Compact Sandstone

Details of National Hydrograph Stations **Annexure-I**

SN	Location	Depth of well	Basin	Geology
432	Joba	8	Godavari	Compact Sandstone
433	Keskal	9	Mahanadi	Gneiss/Amphibolite/Granulite
434	Kondagon New	12.1	Godavari	Granite/Granodiorite
435	Lanjora	11	Godavari	Granite/Granodiorite
436	Murwand1	10	Godavari	Granite Gneiss
437	Pharasgaon	9.9	Godavari	Granite/Granodiorite
438	Pharasgaon1 PZ	27.4	Godavari	Schist/Talc
439	Andhiarkhor Pz I	51.3	Mahanadi	Maniyari shale
440	Banbandha	5.36	Mahanadi	Compact Sandstone
441	Bandhakhar	6.82	Mahanadi	Sandstone
442	Batati Junction	11.27	Mahanadi	Sandstone
443	Bhilai Nagar Pz Ii	92	Mahanadi	Sandstone With Shale/Coal Partings
444	Chaitama	15	Mahanadi	Compact Sandstone
445	Champa Mode	7.5	Mahanadi	Sandstone
446	Charmar	9.4	Mahanadi	Sandstone
447	Churi	12.8	Mahanadi	Granite Gneiss
448	Dhegurdih Manzipara	9.4	Mahanadi	Sandstone
449	Dhourabhata	8.37	Mahanadi	Sandstone
450	Dumardih New	8.86	Mahanadi	Sandstone
451	Gopalpur	12.71	Mahanadi	Granite/Granodiorite
452	Jamchuwa	9.5	Mahanadi	Sandstone
453	Jatgan	11.4	Mahanadi	Granite/Granodiorite
454	Jhabar	8.35	Mahanadi	Sandstone With Shale/Coal Partings
455	Jhingatpur	10.3	Mahanadi	Sandstone
456	Jogipali	10.4	Mahanadi	Sandstone
457	Kartala	10.95	Mahanadi	Compact Sandstone
458	Katghora	11.65	Mahanadi	Compact Sandstone
459	Khodri	4.8	Mahanadi	Granite Gneiss
460	Korba	14.47	Mahanadi	Compact Sandstone
461	Korba Home Gaurd Pz Ii	37.48	Mahanadi	Compact Sandstone
462	Korba-S	193	Mahanadi	Sandstone With Shale/Coal Partings
463	Korkoma Junction	8.15	Mahanadi	Sandstone
464	Kotmer Upper	8.2	Mahanadi	Sandstone
465	Kurtha	8.9	Mahanadi	Shale With Limestone/Sandstone Band/Lens
466	Lenga	9.98	Mahanadi	Granite Gneiss
467	Madai	8.73	Mahanadi	Compact Sandstone
468	Morga	14	Mahanadi	Compact Sandstone
469	Nagai	11.77	Mahanadi	Compact Sandstone
470	Naktikhar	10.27	Mahanadi	Sandstone With Shale/Coal Partings
471	Naraibodh	7.5	Mahanadi	Sandstone

Details of National Hydrograph Stations **Annexure-I**

SN	Location	Depth of well	Basin	Geology
472	Nawapara	7.3	Mahanadi	Sandstone
473	Nonbirra	10.5	Mahanadi	Sandstone
474	Nonbirra	8.2	Mahanadi	Sandstone
475	Nonbirra New	13.2	Mahanadi	Granite Gneiss
476	Numera	12.17	Mahanadi	Sandstone With Shale/Coal Partings
477	Nunera Pz I	142.25	Mahanadi	Sandstone With Shale/Coal Partings
478	Nunera Pz II	70.41	Mahanadi	Sandstone With Shale/Coal Partings
479	Pali	10.25	Mahanadi	Compact Sandstone
480	Pasan	13.88	Mahanadi	Granite/Granodiorite
481	Pasarkhet	7.6	Mahanadi	Sandstone
482	Pondi	115	Mahanadi	Sandstone With Shale/Coal Partings
483	Ponri	12.98	Mahanadi	Granite/Granodiorite
484	Rajkamma	72.53	Mahanadi	Sandstone With Shale/Coal Partings
485	Ralia Pz Ii	6.95	Mahanadi	Sandstone
486	Ralia Pz Iii	12.1	Mahanadi	Granite Gneiss
487	Rampur	150	Mahanadi	Sandstone With Shale/Coal Partings
488	Ramtarai Pz I	105	Mahanadi	Sandstone With Shale/Coal Partings
489	Ramtarai Pz Ii	6.98	Mahanadi	Sandstone
490	Ramtarai Pz Iii	78	Mahanadi	Sandstone With Shale/Coal Partings
491	Rewa	150	Mahanadi	Sandstone With Shale/Coal Partings
492	Rishdi	50.82	Mahanadi	Sandstone With Shale/Coal Partings
493	Sakdukala	11.1	Mahanadi	Granite Gneiss
494	Salihabhata	7.29	Mahanadi	Sandstone
495	Sindhiya	8.61	Mahanadi	Sandstone
496	Sirki Pz I	7.7	Mahanadi	Compact Sandstone
497	Sirki Pz Ii	9.32	Mahanadi	Sandstone
498	Sutarra	161	Mahanadi	Sandstone With Shale/Coal Partings
499	Sutera	85	Mahanadi	Sandstone With Shale/Coal Partings
500	Tikeja	11.68	Mahanadi	Sandstone
501	Tiwarta Pz I	9.3	Mahanadi	Sandstone With Shale/Coal Partings
502	Tiwarta Pz Ii	10.6	Mahanadi	Granite Gneiss
503	Tuman	15.55	Mahanadi	Granite/Granodiorite
504	Tuman	11.5	Mahanadi	Granite Gneiss
505	Urga.1	7.05	Mahanadi	Gneiss/Amphibolite/Granulite
506	Baharsi.1	5.52	Lower Ganges	Compact Sandstone
507	Baikunthpur	7	Mahanadi	Compact Sandstone
508	Baikunthpur-s	24.67	Mahanadi	Compact Sandstone
509	Banjaridad S	50	Mahanadi	Sandstone
510	Belbehra	7.28	Mahanadi	Compact Sandstone
511	Biharpur	15.3	Mahanadi	Sandstone

Details of National Hydrograph Stations **Annexure-I**

SN	Location	Depth of well	Basin	Geology
512	Bikrampur	6.4	Mahanadi	Sandstone With Shale/Coal Partings
513	Chutki	5.4	Lower Ganges	Compact Sandstone
514	Garundol	11	Mahanadi	Sandstone With Shale/Coal Partings
515	Girjapur	3	Mahanadi	Sandstone
516	Jamgahana	6.5	Mahanadi	Sandstone
517	Janakpur	10	Lower Ganges	Compact Sandstone
518	Kelhari	11.52	Lower Ganges	Compact Sandstone
519	Khadgaon	13.2	Mahanadi	Compact Sandstone
520	Khadgaon - 1	11.6	Mahanadi	Compact Sandstone
521	Khatgori	15.74	Mahanadi	Compact Sandstone
522	Kiwarpur	9.35	Lower Ganges	Shale With Limestone/Sandstone Band/Lens
523	Manendragarh	10.48	Mahanadi	Compact Sandstone
524	Mansukha	12	Mahanadi	Shale
525	Pendri	8.36	Mahanadi	Compact Sandstone
526	Pouri	11.8	Mahanadi	Shale With Limestone/Sandstone Band/Lens
527	Ranai	13.06	Lower Ganges	Compact Sandstone
528	Ranai1	14	Lower Ganges	Compact Sandstone
529	Sarbhoka	8.89	Mahanadi	Compact Sandstone
530	Sonhat	7	Mahanadi	Compact Sandstone
531	Tarabahara	8.83	Lower Ganges	Compact Sandstone
532	Tilokhan	10	Lower Ganges	Compact Sandstone
533	Ujiyarpur1	10.36	Mahanadi	Compact Sandstone
534	Awaradawri S	50	Mahanadi	Granite Gneiss
535	Bag bahera	11.26	Mahanadi	Granite/Granodiorite
536	Bagbahara S	50	Mahanadi	Granite Gneiss
537	Baldidih	9.75	Mahanadi	Granite Gneiss
538	Barbaspur	8.55	Mahanadi	Granite Gneiss
539	Basna	11.65	Mahanadi	Granite Gneiss
540	Basna S	50	Mahanadi	Granite Gneiss
541	Belsunda	14.85	Mahanadi	Shell Limestone/Limestone
542	Jagdishpur	10.76	Mahanadi	Granite/Granodiorite
543	Jhalap	9.35	Mahanadi	Granite/Granodiorite
544	Jhalap S	32.8	Mahanadi	Granite Gneiss
545	Jogideepa D	64.4	Mahanadi	Granite Gneiss
546	Jogideepa S	50	Mahanadi	Granite Gneiss
547	Jogidipa	10.65	Mahanadi	Granite Gneiss
548	Keshwa S	50	Mahanadi	Compact Sandstone
549	Khallari	5.35	Mahanadi	Not Available
550	Mahasamund Contractual S	50	Mahanadi	Compact Sandstone
551	Mahasamund.	14.32	Mahanadi	Compact Sandstone

Details of National Hydrograph Stations **Annexure-I**

SN	Location	Depth of well	Basin	Geology
552	Mahasamund.1	14.32	Mahanadi	Compact Sandstone
553	Mandalpur	6.6	Mahanadi	Quartzite
554	Marban	8.4	Mahanadi	Sandstone
555	Palsipani - 1	10.05	Mahanadi	Granite/Granodiorite
556	Patsenduri	9.59	Mahanadi	Compact Sandstone
557	Phusera	12.1	Mahanadi	Limestone/Dolomite
558	Pithora	11.4	Mahanadi	Granite/Granodiorite
559	Pithora - 1	12.85	Mahanadi	Granite/Granodiorite
560	Pithora PZ	27.43	Mahanadi	Granite/Granodiorite
561	Sagrapali	8.5	Mahanadi	Compact Sandstone
562	Sakra S	50	Mahanadi	Granite Gneiss
563	Saraipali	12.48	Mahanadi	Compact Sandstone
564	Saraipalli-S PZ	30.58	Mahanadi	Shale
565	Sirpur	13.15	Mahanadi	Limestone/Dolomite
566	Sirpur1 PZ	60	Mahanadi	Limestone/Dolomite
567	Suarmar	13.95	Mahanadi	Granite/Granodiorite
568	Suarmar1 PZ	42.94	Mahanadi	Granite/Granodiorite
569	Tendukonda	12.98	Mahanadi	Granite/Granodiorite
570	Tumgaon	11.31	Mahanadi	Compact Sandstone
571	Tumgaon S	50	Mahanadi	Granite Gneiss
572	Achanakmar1	10.3	Mahanadi	Phyllite
573	Amadob	9.15	Mahanadi	Sandy Shale
574	Amerikhapa	8.44	Mahanadi	Sandstone With Shale/Coal Partings
575	Attaria	11.5	Mahanadi	Granite Gneiss
576	Baitalpur	14.99	Mahanadi	Limestone/Dolomite
577	Barighat	13.08	Mahanadi	Compact Sandstone
578	Bindabal	13.5	Mahanadi	Granite Gneiss
579	Chattan	9.2	Mahanadi	Granite Gneiss
580	Chhaparwa	16.87	Mahanadi	Granite/Granodiorite
581	Chirhula	16	Mahanadi	Limestone/Dolomite
582	Darhi Pz I	57.5	Mahanadi	Maniyari shale
583	Darhi Pz Ii	121.8	Mahanadi	Maniyari shale
584	Deori	9.3	Mahanadi	Limestone/Dolomite
585	Godkhami	9.2	Mahanadi	Shale With Limestone/Sandstone Band/Lens
586	Kanteli.1	11.2	Mahanadi	Shale
587	Karesara Pz I	149.2	Mahanadi	Maniyari shale
588	Karesara Pz Ii	57.7	Mahanadi	Maniyari shale
589	Lamni	16	Mahanadi	Granite/Granodiorite
590	lormi	16.3	Mahanadi	Shale
591	Lormi (d)	70	Mahanadi	Not Available

Details of National Hydrograph Stations **Annexure-I**

SN	Location	Depth of well	Basin	Geology
592	Lormi1	4.95	Mahanadi	Shale
593	Mungeli	13.5	Mahanadi	Limestone/Dolomite
594	Mungeli(d)	100	Mahanadi	Not Available
595	Mungeli(s)	50	Mahanadi	Not Available
596	Pali	9.2	Mahanadi	Shale With Limestone/Sandstone Band/Lens
597	Patharia (chorbhatti)	15.4	Mahanadi	Shale
598	Saragaon1	7	Mahanadi	Shale
599	Setganga	6.2	Mahanadi	Limestone/Dolomite
600	Sitalkunda	9.4	Mahanadi	Limestone/Dolomite
601	Tilaidabra	10.8	Mahanadi	Granite Gneiss
602	Chhal	7.9	Mahanadi	Granite Gneiss
603	Amapali	10.5	Mahanadi	Granite Gneiss
604	Amlipur Amlitikra	5.7	Mahanadi	Sandstone
605	Auranar	13.9	Mahanadi	Sandstone
606	Bakaruma	11.25	Mahanadi	Granite/Granodiorite
607	Bamsjer	7.8	Mahanadi	Sandstone
608	Baramkela	15.5	Mahanadi	Limestone/Dolomite
609	Baramkela S	37	Mahanadi	Shale With Limestone/Sandstone Band/Lens
610	Barpali	11.48	Mahanadi	Compact Sandstone
611	Bartapali	11.4	Mahanadi	Sandstone
612	Bataupali	9	Mahanadi	Compact Sandstone
613	Bayasi	7.5	Mahanadi	Granite Gneiss
614	Behramar	8.6	Mahanadi	Gneiss/Amphibolite/Granulite
615	Bhangari	11.5	Mahanadi	Not Available
616	Bhupdeopur S	50	Mahanadi	Compact Sandstone
617	Bijapara	10.4	Mahanadi	Sandstone
618	Bojia	9.2	Mahanadi	Sandstone
619	Bonda	10	Mahanadi	Limestone/Dolomite
620	Boro	10.5	Mahanadi	Sandstone
621	Chaple	10.36	Mahanadi	Limestone/Dolomite
622	Chaple S	50	Mahanadi	Shale With Limestone/Sandstone Band/Lens
623	Charmar	9.8	Mahanadi	Gneiss/Amphibolite/Granulite
624	Chimtapani	14.15	Mahanadi	Compact Sandstone
625	Chunkunidad	11.8	Mahanadi	Sandstone
626	Damdarha	9.85	Mahanadi	Compact Sandstone
627	Deridih	9.5	Mahanadi	Gneiss/Amphibolite/Granulite
628	Derpani	4.8	Mahanadi	Granite Gneiss
629	Dharamjaigarh PZ	29.91	Mahanadi	Compact Sandstone
630	Dharan Pz Ii	56	Mahanadi	Sandstone With Shale/Coal Partings
631	Dharmajaigarh	12.55	Mahanadi	Compact Sandstone

Details of National Hydrograph Stations **Annexure-I**

SN	Location	Depth of well	Basin	Geology
632	Dharmajaigarh	12.55	Mahanadi	Compact Sandstone
633	Dongabhona	7.5	Mahanadi	Gneiss/Amphibolite/Granulite
634	Duliamuda	9.4	Mahanadi	Gneiss/Amphibolite/Granulite
635	Dumarpali	9.3	Mahanadi	Granite Gneiss
636	Durgapur	9.7	Mahanadi	Sandstone
637	Edu	7.56	Mahanadi	Compact Sandstone
638	Farkanara	11.25	Mahanadi	Sandstone
639	Gare Nhs	10	Mahanadi	Sandstone With Shale/Coal Partings
640	Gersa	12.5	Mahanadi	Gneiss/Amphibolite/Granulite
641	Gharghoda	13.38	Mahanadi	Compact Sandstone
642	Golabuda	10.2	Mahanadi	Granite/Granodiorite
643	Hati	9.56	Mahanadi	Compact Sandstone
644	Hirri1	9.72	Mahanadi	Limestone/Dolomite
645	Kanakbira	11	Mahanadi	Granite/Granodiorite
646	Kandadand	10.4	Mahanadi	Sandstone
647	Kapu	9.75	Mahanadi	Granite/Granodiorite
648	Kedar S	50	Mahanadi	Limestone Cavernous
649	Keradih	3.95	Mahanadi	Sandstone
650	Kerajhar	12.36	Mahanadi	Compact Sandstone
651	Kerigarhi	11.5	Mahanadi	Sandstone
652	Khadgaon1	13.5	Mahanadi	Laterite
653	Kharasia S	50	Mahanadi	Compact Sandstone
654	Kharsia	17.63	Mahanadi	Compact Sandstone
655	Kondatalai S	50	Mahanadi	Compact Sandstone
656	Kotra	9.46	Mahanadi	Limestone/Dolomite
657	Kurekela	14.55	Mahanadi	Compact Sandstone
658	Lailunga1	11.22	Mahanadi	Granite/Granodiorite
659	Lailunga2	46.62	Mahanadi	Granite/Granodiorite
660	Lakha.1	8.55	Mahanadi	Not Available
661	Lakshmipur	4.4	Mahanadi	Sandstone
662	Laripani	10.35	Mahanadi	Compact Sandstone
663	Lendra S	50	Mahanadi	Shale With Limestone/Sandstone Band/Lens
664	Lipti	7.5	Mahanadi	Granite Gneiss
665	Malda B	9.27	Mahanadi	Granite/Granodiorite
666	Milupara-Sidarpara	13.8	Mahanadi	Gneiss/Amphibolite/Granulite
667	Mumund	6.2	Mahanadi	Granite Gneiss
668	Nawadih	8.2	Mahanadi	Gneiss/Amphibolite/Granulite
669	Nawagaon	6.5	Mahanadi	Gneiss/Amphibolite/Granulite
670	Nawapara Pz	48.79	Mahanadi	Sandstone With Shale/Coal Partings
671	Ongana	8.4	Mahanadi	Gneiss/Amphibolite/Granulite

Details of National Hydrograph Stations **Annexure-I**

SN	Location	Depth of well	Basin	Geology
672	Pakargaon	5.8	Mahanadi	Granite/Granodiorite
673	Pandripani	12.3	Mahanadi	Gneiss/Amphibolite/Granulite
674	Phuthamuda	7.3	Mahanadi	Gneiss/Amphibolite/Granulite
675	Pindri	7.97	Mahanadi	Granite/Granodiorite
676	Porda Pz	30	Mahanadi	Sandstone With Shale/Coal Partings
677	Potiya	9.5	Mahanadi	Gneiss/Amphibolite/Granulite
678	Pusalda	11.8	Mahanadi	Gneiss/Amphibolite/Granulite
679	Raigarh	17.66	Mahanadi	Compact Sandstone
680	Raiharg S	50	Mahanadi	Compact Sandstone
681	Rajpur.1	8.6	Mahanadi	Not Available
682	Rajpur2	8.16	Mahanadi	Gneiss/Amphibolite/Granulite
683	Ramnagar	5.6	Mahanadi	Gneiss/Amphibolite/Granulite
684	Rera	8.5	Mahanadi	Granite Gneiss
685	Salkhiya	7.8	Mahanadi	Granite/Granodiorite
686	Samaruma	6.67	Mahanadi	Sandstone
687	Saraipali	13.2	Mahanadi	Gneiss/Amphibolite/Granulite
688	Sarangarh	12.62	Mahanadi	Compact Sandstone
689	Sarangarh S	50	Mahanadi	Limestone Cavernous
690	Sarangarh1	34.21	Mahanadi	Compact Sandstone
691	Saria1	12	Mahanadi	Limestone/Dolomite
692	Shahpur Colony	12	Mahanadi	Sandstone
693	Sirsinga Temple	8.2	Mahanadi	Granite/Granodiorite
694	Sisringa	13.6	Mahanadi	Compact Sandstone
695	Sithra New	11.5	Mahanadi	Sandstone
696	Sukwasuava	8.4	Mahanadi	Granite/Granodiorite
697	Tadola	6.8	Mahanadi	Shale with Limestone/Sandstone Band/Lens
698	Taraimal1.1	8	Mahanadi	Compact Sandstone
699	Taraimar	10.4	Mahanadi	Gneiss/Amphibolite/Granulite
700	Tendumar	6.8	Mahanadi	Gneiss/Amphibolite/Granulite
701	Tetla	13.17	Mahanadi	Compact Sandstone
702	Abhanpur	19.9	Mahanadi	Shale
703	Abhanpur D	100	Mahanadi	Shale with Limestone/Sandstone Band/Lens
704	Abhanpur S	50	Mahanadi	Shale With Limestone/Sandstone Band/Lens
705	Amapara NHS	8	Mahanadi	Limestone
706	Amera	8	Mahanadi	Shale With Sandstone Partings
707	Amethi	6.4	Mahanadi	Limestone Cavernous
708	Arang	9.15	Mahanadi	Limestone/Dolomite
709	Arang S	50	Mahanadi	Limestone Cavernous
710	Bajrangpur	12.45	Mahanadi	Shale
711	Bohardih Pzi	149.2	Mahanadi	Maniyari shale

Details of National Hydrograph Stations **Annexure-I**

SN	Location	Depth of well	Basin	Geology
712	Bohardih Pzii	51.6	Mahanadi	Maniyari shale
713	Bothi Pzi	100.3	Mahanadi	Maniyari shale
714	Bothi Pzii	39.4	Mahanadi	Maniyari shale
715	Charauda	7.8	Mahanadi	Limestone
716	Devpuri	14.04	Mahanadi	Limestone/Dolomite
717	Devri	11.5	Mahanadi	Limestone Cavernous
718	Dharsiwa	13	Mahanadi	Limestone/Dolomite
719	Dharsiwa S	50	Mahanadi	Shale With Limestone/Sandstone Band/Lens
720	Dumartarai	11.2	Mahanadi	Limestone
721	Fingeshwar- I	10.5	Mahanadi	Limestone/Dolomite
722	Kanekera	3.9	Mahanadi	Compact Sandstone
723	Kanki	7.25	Mahanadi	Sandy Shale
724	Kanki D	100	Mahanadi	Shale With Limestone/Sandstone Band/Lens
725	Kanki S	50	Mahanadi	Shale With Limestone/Sandstone Band/Lens
726	Kusrangi	7.85	Mahanadi	Sandy Shale
727	Manabasti	12.2	Mahanadi	Limestone/Dolomite
728	Mandhar	7.2	Mahanadi	Limestone
729	Mandhar D	100	Mahanadi	Shale With Limestone/Sandstone Band/Lens
730	Mandhar S	50	Mahanadi	Shale With Limestone/Sandstone Band/Lens
731	Mandirhasud	14.5	Mahanadi	Limestone/Dolomite
732	Palari	11.5	Mahanadi	Shale
733	Palari D	100	Mahanadi	Shale With Limestone/Sandstone Band/Lens
734	Palari S	50	Mahanadi	Shale With Limestone/Sandstone Band/Lens
735	Raipur	16.87	Mahanadi	Limestone/Dolomite
736	Raipur (IGKV)-S	122.08	Mahanadi	Limestone/Dolomite
737	Rajim	10.95	Mahanadi	Shale
738	Rajim-s PZ	27.38	Mahanadi	Shale
739	Ranisagar	7.85	Mahanadi	Not Available
740	Rsu Raipur	10.4	Mahanadi	Limestone
741	Sakara	21.55	Mahanadi	Limestone
742	Sandi	10.9	Mahanadi	Shale
743	Sandi1	30.8	Mahanadi	Shale
744	Semariya	11.15	Mahanadi	Limestone
745	Sursabandha	8.16	Mahanadi	Alluvium
746	Umaria station	8.84	Mahanadi	Shale
747	Badaitola	14.3	Mahanadi	Sandstone
748	Baigatola	8.3	Mahanadi	Granite/Granodiorite
749	Birampurkala	7.9	Mahanadi	Limestone
750	Chinohola	11.7	Mahanadi	Granite Gneiss
751	Chirchari	12.02	Mahanadi	Granite/Granodiorite

Details of National Hydrograph Stations **Annexure-I**

SN	Location	Depth of well	Basin	Geology
752	Chuikhadan	12	Mahanadi	Phyllite
753	Dhaba	13	Mahanadi	Limestone Cavernous
754	Dhaneli	9	Mahanadi	Limestone
755	Dhara	9.3	Mahanadi	Granite/Granodiorite
756	Diwanbhedi	9.8	Mahanadi	Granite Gneiss
757	Dongargaon.1	10.52	Mahanadi	Granite/Granodiorite
758	Dongargarh	11.4	Mahanadi	Granite/Granodiorite
759	Dongargarh-d PZ	51.59	Mahanadi	Granite/Granodiorite
760	Dongargarh-sPZ	30.44	Mahanadi	Granite/Granodiorite
761	Gandaipandaria	10.05	Mahanadi	Limestone/Dolomite
762	Govindpur	8	Mahanadi	Granite/Granodiorite
763	Khairagarh	8	Mahanadi	Compact Sandstone
764	Lal bhadurnagar	12.02	Mahanadi	Granite/Granodiorite
765	Madrakuhi	7.2	Mahanadi	Limestone
766	Mohgaon	13	Mahanadi	Compact Sandstone
767	Mutpar	10	Mahanadi	Granite Gneiss
768	Narmada	9.65	Mahanadi	Limestone
769	Rajnandgaon	11.8	Mahanadi	Shale
770	Rajnandgaon-S PZ	30.46	Mahanadi	Shale
771	Ramatola	13.5	Mahanadi	Granite/Granodiorite
772	Rampur	7.4	Mahanadi	Shaely Sandstone
773	Rangkathera	10.81	Mahanadi	Shale
774	Ranitarai	10.1	Mahanadi	Shale With Limestone/Sandstone Band/Lens
775	Ravagahan	9.1	Mahanadi	Shale With Limestone/Sandstone Band/Lens
776	Reevagaon	10.75	Mahanadi	Granite/Granodiorite
777	Sahaspur Dalli	16	Mahanadi	Shale With Sandstone Partings
778	Salgapat	10.18	Mahanadi	Rhyolite
779	Salhe Bara	12.45	Mahanadi	Compact Sandstone
780	Saloni	12.25	Mahanadi	Shale
781	Singhola	6.5	Mahanadi	Limestone/Dolomite
782	Somni	13.88	Mahanadi	Shale
783	Talai	15	Mahanadi	Limestone/Dolomite
784	Tappa	12.71	Mahanadi	Gneiss/Amphibolite/Granulite
785	Uraidabritola	12.05	Mahanadi	Shale With Limestone/Sandstone Band/Lens
786	Ajabnagar	6	Lower Ganges	Compact Sandstone
787	Badsara	10.3	Lower Ganges	Sandy Shale
788	Bhaiyathan	31.01	Lower Ganges	Gneiss/Amphibolite/Granulite
789	Deonagar	8.3	Lower Ganges	Compact Sandstone
790	Ganeshpur	14.06	Mahanadi	Compact Sandstone
791	Jaynagar	10.28	Lower Ganges	Compact Sandstone

Details of National Hydrograph Stations **Annexure-I**

SN	Location	Depth of well	Basin	Geology
792	Jhasi	10.2	Lower Ganges	Compact Sandstone
793	Kalyanpur	9.5	Mahanadi	Gneiss/Amphibolite/Granulite
794	Kanakpur	9.7	Mahanadi	Sandstone With Shale/Coal Partings
795	Latori	11.08	Lower Ganges	Compact Sandstone
796	Odigi	8	Lower Ganges	Shale With Limestone/Sandstone Band/Lens
797	Premnagar	13.65	Mahanadi	Compact Sandstone
798	Premnagar D	50	Mahanadi	Granite Gneiss
799	Ramanuj nagar	12.05	Mahanadi	Compact Sandstone
800	Sirsi	8.5	Lower Ganges	Quartzite
801	Surajpur	10	Lower Ganges	Compact Sandstone
802	Tara	15.44	Mahanadi	Compact Sandstone
803	Tara1	37.04	Mahanadi	Compact Sandstone
804	Ambikapur	11.14	Lower Ganges	Compact Sandstone
805	Ambikapur-D	49.1	Lower Ganges	Compact Sandstone
806	Ambikapur-s	30.94	Lower Ganges	Compact Sandstone
807	Baghima	6	Lower Ganges	Compact Sandstone
808	Bandana	9.43	Mahanadi	Granite/Granodiorite
809	Batauli	10	Mahanadi	Granite/Granodiorite
810	Batauli S	50	Mahanadi	Granite Gneiss
811	Chatakpur	5.7	Mahanadi	Sandstone
812	Dandgaon	7.71	Mahanadi	Compact Sandstone
813	Darima	8.35	Lower Ganges	Sandstone with Shale/Coal Partings
814	Ghorghadi	8	Mahanadi	Granite Gneiss
815	Kakalo	9.55	Mahanadi	Sandstone
816	Kamleswarpur	21.27	Mahanadi	Basalt
817	Kunni	9.7	Lower Ganges	Granite/Granodiorite
818	Laxmanpur	14	Lower Ganges	Compact Sandstone
819	Mangari	10.4	Mahanadi	Granite/Granodiorite
820	Nagadand	20	Mahanadi	Granite Gneiss
821	Nawapara	9.1	Lower Ganges	Gneiss/Amphibolite/Granulite
822	Parsa	10	Lower Ganges	Shale with Limestone/Sandstone Band/Lens
823	Pratapgarh	11.3	Mahanadi	Granite/Granodiorite
824	Rajpari	7	Mahanadi	Sandstone
825	Sitapur-s	30.94	Mahanadi	Compact Sandstone
826	Udaipur	14.58	Lower Ganges	Compact Sandstone
827	Udaipur Dhah	10.6	Lower Ganges	Compact Sandstone
828	Udaipur-s	30.99	Lower Ganges	Compact Sandstone

Depth to water level of National Hydrograph Stations **Annexure - II**

Sl No.	Location	DTW May 2021	DTW August 2021	DTW November 2021	DTW January 2022
District - Bastar					
1	Bastar	8.35	2.62	3.70	5.45
2	Batrail	6.40	3.70		4.00
3	Bhanpuri	2.80	1.05		2.55
4	Borgaon	10.20	6.70		8.60
5	Chapra Bhanpuri	1.50	0.70		1.40
6	Chhapan Bhanpuri				1.40
7	Chitrakot	5.20	4.00	6.00	5.30
8	Dahikonga	8.90	7.60	4.80	8.15
9	Dewargaon	4.85	2.85		3.95
10	Farsaguda	3.80	1.10	1.20	2.30
11	Garaka	8.85	8.80	6.60	7.70
12	Jagdalpur	4.30	4.60		7.00
13	Jaitpuri	7.60	4.35		5.15
14	Joba	6.00	1.25	3.30	4.25
15	Keskal	9.00	4.70	5.00	6.70
16	Kondagon New	2.25	1.55	3.20	3.10
17	Kulhadhgaon	3.35	1.45	2.10	3.35
18	Kumharwand	2.15	2.05	3.30	4.10
19	Lanjora	8.70	5.20	3.70	6.10
20	Makri				4.80
21	Markel	4.20	1.20	3.50	4.45
22	Massaukokada	6.40			7.10
23	Palanar		1.60		
24	Pharasgaon	5.45	4.85		5.15
25	Pharasgaon1 PZ		11.99		
26	Sonarpal	2.95	2.15		3.45
27	Surkupal	3.80	1.60		3.60
28	Usri Bera	9.00	3.90		6.00
District - Bilaspur					
29	Achanakmar1	4.50	3.25	3.56	3.60
30	Adbhar	11.00			
31	Amadob				3.74
32	Amerikapa Tala	6.92	4.75	4.63	5.26
33	Baitalpur	4.25	1.80	1.67	3.03
34	bakarkuda	20.00	18.23	15.78	
35	Bakarkuda new	8.20	2.00	1.80	6.24
36	Banabel	5.00	2.90	2.60	4.04
37	Bansajhal	2.07	1.95	1.70	2.48
38	Barcha	2.15	2.35	2.49	3.65
39	Barighat	9.10	8.21	6.39	6.04
40	Bartoli		1.55		

41	Belgahana	5.35		4.05	4.53
42	Bilaspur			8.70	
43	Bilaspur Lalkhadan	7.65	9.37	5.28	5.54
44	Bilha	8.00	3.25	3.60	4.34
45	Bindabal	7.05	6.25	4.98	
46	Bitkuli	13.20			6.18
47	Bothidih	8.45	6.89	7.05	
48	Chakarbhata	16.00			2.50
49	Chandargarhi	2.84	0.90	1.98	
50	Chandkhuri (d)				17.60
51	Chandkhuri (s)		13.00	23.20	
52	Chandli	9.20	8.75	7.90	7.11
53	Chatarkhar	5.14	4.35	3.98	4.53
54	Chattan	8.00	6.15	4.27	4.16
55	Chchgohana	5.90	4.78	4.35	6.10
56	Chhaparwa	16.86			
57	Chhatauna	5.30	5.10	4.80	
58	Chilhati	10.10	8.88	7.98	7.35
59	Chirhula	1.66	1.80	1.99	2.10
60	Dagauri	5.00	4.60	4.35	4.65
61	Dam Dam	8.30	8.10	4.05	7.35
62	Deori	9.05	6.37	6.90	6.72
63	Dhanpur	3.66	2.98	3.10	4.42
64	Dharhar	6.10	5.20	4.94	6.50
65	Fulwari	7.37	6.40	4.65	5.14
66	Ganiyari			22.00	
67	Ganiyari new	33.89	30.58	29.46	28.10
68	Ganiyari.2	9.29	8.30	8.10	7.89
69	Gatori	2.60	2.50	2.10	2.14
70	Gaurela	5.10	4.20	4.05	
71	Ghansipur-Sainik Camp	3.05	2.83	2.10	
72	Godkhami	9.20			
73	Hemu Nagar				7.00
74	Hirri	5.95	1.35	1.65	4.85
75	Jaroundha	10.50	5.00	5.90	6.05
76	Jhapal	1.90	2.10	1.80	11.00
77	Jhingatpur	6.67	5.28	5.10	3.70
78	Jogipur	10.96	8.52	8.07	9.19
79	Kahronda	3.37	2.89	2.60	
80	Kanchanpur	5.15	4.23	4.70	5.34
81	Kanteli.1	10.70	8.75	8.40	8.00
82	Kargikhurud	6.43		6.07	9.70
83	Kenda	8.12	6.20	5.05	5.40
84	Keonchi	6.10	5.59	5.30	4.74
85	Khaira New	2.26		0.85	1.10
86	Khamaria	10.04			
87	Khamharia1	11.30	8.90	9.10	8.46
88	Koni	5.20	4.68	4.18	4.00
89	Kota(kargi)	2.39	2.20	2.03	2.04

90	Kudwahi	4.56	4.22	4.02	6.48
91	Kuli	7.64	6.50	3.85	4.25
92	Lamni	16.00			7.03
93	Lekhani	6.08			
94	Madhanpur	10.40	9.53		
95	Malhar	4.30	4.10	3.90	3.19
96	Marvahi			7.00	7.15
97	Marwahi	14.12		7.00	
98	Masturi	1.40	1.10	1.25	1.35
99	Matiyari	3.30	2.88	2.70	3.00
100	Mendrapara Ratanpur	8.12	7.23	6.95	
101	Mungeli	6.72	6.53	5.38	
102	Nawadih	8.85	6.30	5.82	6.11
103	Nawapara	4.60	2.80	2.06	2.18
104	Nimdha	3.20	2.10	2.38	1.55
105	Pali	9.78	5.53	5.04	5.25
106	Panchpedi	10.40	10.40		
107	Pandra Patha	6.03	5.18	4.96	5.13
108	Pandri	4.20	3.53	3.25	4.18
109	Patera		0.98	1.03	1.90
110	Patharia (chorbhatti)	3.13	3.08	2.90	2.55
111	Pendra Road		5.10	4.85	
112	Piparkhuti	6.10	5.80	3.07	3.62
113	Rajpur		4.52	4.02	4.47
114	Ratanpur	8.25		4.18	5.38
115	Rupandand	4.05	3.39	3.16	3.95
116	Saraipalli	9.28	8.48	8.05	7.61
117	Saudhakhurd		6.34	1.22	2.01
118	Sewra	8.70			
119	Shekhwa	9.00	8.28	5.00	3.82
120	Shivtarai New	7.00	6.38	5.60	5.31
121	Shripara	8.90	7.97	7.30	6.18
122	Sipat	9.40	10.10	9.80	
123	Surada	12.20	9.83	9.76	8.13
124	Tendumuda	10.55	9.88	2.90	5.00
125	Tenduwa	11.01			4.75
126	Tikari	4.80	4.10	3.96	4.78
127	Tikthi	9.20	8.80	4.00	5.12
128	Tilaidabra	3.10	2.10	4.18	2.70
129	Udaypur	6.34	5.83	5.49	5.40
District - Dhamtari					
130	Amali	4.11	1.38	2.79	2.83
131	Aouri	5.36	1.86	2.98	3.05
132	Arjuni	3.82			
133	Arsi-kanhar		7.80	9.25	9.27
134	Banraud - I	1.79	1.00	3.47	3.50
135	Banraud D		1.20	4.55	5.67
136	Banraud S		1.36	4.34	5.41

137	Banspani		3.48	4.98	5.01
138	Basin	1.68			
139	Belar Bahar	3.28			
140	Bhatagoan		1.15	2.10	2.14
141	Bhoyana	1.62	1.66	3.10	3.16
142	Birgudi	2.69	6.00	7.23	7.25
143	Budarao	3.83		3.03	3.10
144	Chhati	2.32	0.86	1.45	1.51
145	Dandesara	1.68			
146	Darba		1.71	2.95	2.97
147	Dorgardula		0.00	9.05	9.11
148	Dugli		1.60	1.80	1.83
149	Farsiya	4.82	1.49	2.85	2.91
150	Gangrel		1.63	2.87	2.90
151	Gatapar				0.77
152	Gattasilli		1.49	2.85	2.88
153	Jabarra		1.24	2.64	2.69
154	Keregaon		3.80	4.00	4.03
155	Kondapar		1.32	2.58	2.61
156	Kosmarra	1.05	1.20	2.67	2.66
157	Kouhabahara		4.34	5.53	5.57
158	Kumhada	2.63		4.06	
159	Kurud S		1.36	1.97	2.83
160	Kurud.1		1.98	2.32	2.45
161	Lilanj	6.92			
162	Magarlod	3.24	3.74	5.15	8.28
163	Marod		1.56	1.70	4.15
164	Marradev	1.69	1.70	2.75	2.84
165	Mechka Sondur			6.36	6.48
166	Mulgaon		3.84	4.85	4.93
167	Nagri1		4.00	3.24	3.25
168	Puri	1.16	1.16	2.52	2.57
169	Rudri Chowk		1.90		
170	Sankra		2.57	3.95	3.99
171	Seadei	2.22	3.17	4.09	4.17
172	Shankarda		0.80	1.96	2.05
173	Sihawa		2.80	3.97	3.97
174	Singhpur	4.57			
District - Durg					
175	Ahiwara	3.35	3.10	3.58	8.08
176	Anda	2.47	1.60	2.39	2.11
177	Andhiyarkhor			7.00	
178	Arjunda	2.14	1.75	2.35	2.20
179	Arsnara	2.74	1.50	2.25	3.78
180	Baba Mohtara	1.90	2.15	2.40	2.70
181	Bahera	2.33	1.31	2.10	2.15

182	Baiji	0.25			1.60
183	Baklitola	7.06		3.92	
184	Balod	2.98	2.70	3.67	2.85
185	Balod Gahan		1.65	2.60	2.45
186	Barhapur				8.40
187	Batera	3.26		1.60	1.80
188	Beeja		7.50	6.60	12.78
189	Bemetara New	2.70	2.22	2.58	8.80
190	Bhailai	3.00	2.95	3.90	
191	Bhalukohna	5.20			
192	Bharda Kalan	4.00	2.60		
193	Bharnabhat	10.27	7.20		3.81
194	Bhilai-s			3.90	
195	Bhurki	6.20	4.40	3.35	
196	Bijabhat	3.14	3.05	3.50	4.79
197	Binayakpur	2.67	2.00	2.16	2.25
198	Bitkuli			2.77	3.50
199	Bodal		2.00	2.86	3.40
200	Bortara	7.82	3.96	3.04	4.70
201	Chichalgondi	1.32	7.00		5.62
202	Chilphi	5.00		5.30	4.80
203	Chirchari	7.81	2.20	4.00	4.18
204	Danganiya	1.96		1.20	
205	Darbarmukhli	4.65	2.15	2.85	2.35
206	Dargaon	2.98	2.15	2.66	6.05
207	Delli Rajhara			3.55	3.52
208	Dewada	2.10	1.55	1.66	1.72
209	Dhaba	1.68	1.60	1.90	1.71
210	Dondi				8.65
211	Dunra	12.20	6.90	4.90	9.40
212	Farri Nq	12.57	1.90	2.30	8.78
213	Funda	1.80	1.40		
214	Ganiyari	8.55	6.27	2.90	4.05
215	Gatapar	6.95	3.65	5.20	6.66
216	Girhola		2.71	6.20	9.22
217	Gunderdehi	1.79	0.56	2.65	1.85
218	Gurur	3.70	4.05	3.80	3.95
219	Jagtara	4.22	3.67	4.40	4.63
220	Jamgaon	2.35	1.15		
221	Janjgiri	2.58	1.70	1.76	2.40
222	Jata	7.84	4.21	3.50	6.88
223	Jeora	2.98	2.90	3.51	
224	Jeora Sirsa	7.92	5.40	6.15	
225	Jeortala	1.70			1.80
226	Jewari	3.14	1.91		
227	Jhafra	1.80	0.85	1.68	1.80
228	Kachundur	3.97		2.25	2.25

229	Kalangpur	1.75	0.95	1.58	1.48
230	Kanhera	8.00	6.80	7.30	8.00
231	Karanja Bhilai			2.54	3.20
232	Karela	2.40	0.75		1.75
233	Kashi	1.44	0.60	1.68	
234	Kharra	2.70	2.30	3.25	4.30
235	Kharra	1.85	0.70	1.68	2.58
236	Khilora	3.95	1.25		
237	Kodiya	4.08	1.88	4.89	5.57
238	Kuliya	1.10	1.05	1.50	1.50
239	Kumhli	2.28	1.95	2.60	2.28
240	Kusumkasa		1.20	1.20	2.20
241	Litia	2.51	1.35	2.85	2.95
242	Lohara	2.09			
243	Machod	3.95	2.52	2.35	2.75
244	Markatola	4.85	2.55	3.65	3.70
245	Marra	2.18	2.00	1.75	2.05
246	Mohrenga	2.26	1.80	2.25	3.65
247	Motipur	2.19	2.25	3.00	2.20
248	Mouhabhata	5.07	2.45		
249	Mudkhusra New				4.35
250	Mummunda	3.40			
251	Nagpura	8.85		6.90	
252	Nahalda			1.93	2.90
253	Narratola				3.40
254	Nawagarh1	4.48	3.05		
255	Nikum	2.00	0.70		2.01
256	Ninwa	9.07	6.85	3.65	7.12
257	Parpoda	2.35	1.60	2.85	11.10
258	Parpoda		1.48	1.75	3.86
259	Patan	1.37	1.40	2.11	1.65
260	Pendri	1.78	1.75	2.06	2.15
261	Piparia	2.20	1.12		
262	Powara	1.80	1.48	1.82	1.62
263	Rampur Bhand	1.62	2.10	2.71	3.56
264	Ranka Pz I		14.22	8.40	
265	Ravelidih	2.80	2.00	2.53	2.64
266	Sagona	0.60	0.80	1.96	
267	Sambalpur		20.90	18.02	
268	Sambalpur2		27.75	17.87	21.39
269	Sankara		5.23		3.20
270	Sankara	7.49			
271	Sankra				2.08
272	Sankri		9.65	4.88	8.92
273	Selud	3.08	2.02	2.33	1.99
274	Selud2		2.57	2.47	
275	Sikola	2.14	0.95	1.62	

276	Sondh	1.88		3.49	4.63
277	Suwartola Nq		4.75	5.40	11.05
278	Talgaon			11.80	12.25
279	Tarkori	2.80	2.30	4.00	5.18
280	Tarra	2.50	2.40	2.45	2.48
281	Tarri	5.14			
282	Teligundra		1.30	1.70	1.45
283	Umradah	2.36	0.91		
284	Utai-Adarshnagar	0.60			
285	Vinayakpur New	1.34			
286	Zhit	1.91	1.90		1.90
District - Janjgir-Champa					
287	Afrid		3.10	3.60	3.68
288	Akaltara	1.55	1.35	1.55	1.73
289	Akaltara S		1.10	1.60	1.40
290	Baloda -r	11.40	9.30	5.68	5.55
291	Bamhani	12.80	10.28	11.05	7.44
292	Bamnidihi	8.85	5.30	5.80	6.84
293	Bhaiso	9.55	3.10	4.44	6.60
294	Budena	1.30	2.45	2.30	8.00
295	Champa	5.80	2.17	2.47	3.73
296	Dabra	2.65		3.98	1.78
297	Damau	6.55	4.70	4.35	6.13
298	Darrabhata	2.65	2.80	3.05	3.80
299	Dhardei	2.05	2.18	2.30	2.64
300	Dhurkot Nhs	3.05	2.45	2.10	3.11
301	Dongakahrod	1.35	2.00	2.25	3.61
302	Ghoghari	6.90	5.80	5.20	6.30
303	Hasoud	7.20	6.25	5.92	5.88
304	Jaijaipur	5.05	4.43	4.65	7.58
305	Jairamnagar	8.80	7.88	7.32	7.82
306	Janjgir	3.30	3.20	3.92	5.63
307	Jewara	2.55	2.50	2.83	4.00
308	Jhulan Pakariya	5.12	4.35	4.91	5.34
309	Kera	5.25	4.33	4.78	5.35
310	Khartal	3.90	2.85	2.97	
311	Kosa	2.10	2.24	2.92	3.64
312	Latesara	5.35	4.67	4.42	5.39
313	Loharsi	1.70	1.80	1.56	2.15
314	Mehandi		3.88	3.25	4.05
315	Meubhata	1.35	2.30	2.25	5.66
316	Mudpar	5.90	4.32	4.30	
317	Mulmula	5.18	4.75	4.40	5.04
318	Nariyara	7.30	6.86	6.02	6.94
319	Negurdih		1.70	1.95	4.20
320	Orekera	1.80	1.70	1.60	2.33
321	Pamgarh	1.25	1.20	1.10	2.30
322	Sakti	6.30			

323	Saliabhata			3.82	4.24
324	Saragaon2		2.53	2.70	2.45
325	Sasaha		5.30	5.10	5.67
326	Semra		4.38	4.02	4.90
327	Seorinarayan	10.00	5.30	5.05	9.04
328	Somthi	5.35	5.48	5.40	5.00
329	Sukda		0.70	0.68	1.21
330	Thathari	1.85	1.70	1.76	2.15
331	Vyasnagar	1.90	1.56	1.60	2.50
District - Jashpur					
332	Amatolli	1.10	0.30	0.90	
333	Amdiha	4.45	2.05	2.85	4.68
334	Bagbahar S		2.96	3.41	5.89
335	Bagicha	6.16	1.20	1.80	2.36
336	Balachhappar	3.72	1.98	2.57	3.94
337	Bandarchuwa	6.30	4.30	4.90	6.86
338	Banderchua S	6.89	2.88	3.31	5.74
339	Bangaon			2.77	4.09
340	Bangaon	7.20	4.30	4.70	5.13
341	Bangaon B	2.46		2.96	4.09
342	Bataikela	5.32	2.48	2.98	6.70
343	Bewartoli	3.42	1.53	1.97	6.27
344	Binjapur		1.28	1.68	3.69
345	Budadand	2.27	0.97	1.57	1.06
346	Chariadand	4.35	2.38	2.91	4.89
347	Chhapartoli	3.10	1.89	2.43	3.86
348	Dhodidand	3.36	1.92	2.67	3.74
349	Dokra	3.52	1.34	1.84	5.61
350	Farsabahar	4.64	4.39	4.50	4.50
351	Farsakanhi	5.10	3.29	3.79	4.88
352	Fathepur	3.67	1.33	1.68	4.71
353	Garibandh	7.70	5.59	6.01	
354	Ghatmunda	4.42	2.19	2.67	3.88
355	Jakba	7.80	5.40	5.95	7.05
356	Jashpurnagar	3.45	1.99	2.49	6.33
357	Jharmunda	2.45	1.01	1.60	2.15
358	Kachhor	3.41	1.98	2.44	4.23
359	Kandaibahar	5.21	2.41	3.18	5.81
360	Kandora	3.04	2.01	2.51	5.29
361	Kanpoda	3.15	1.83	2.28	3.18
362	Kansabel	5.27	3.25	3.85	6.29
363	Kersai	4.50	2.00	2.46	4.37
364	Khutera	3.11	1.21	1.71	3.39
365	Khutsera	3.50	3.23	3.73	2.93
366	Kotba	4.90	2.93	3.46	3.28
367	Kunjara	5.26	3.31	3.81	5.05
368	Kunkuri	10.40			
369	Kunkuri S	17.18	14.33	15.03	15.30
370	Kunkuri1	3.25	1.53	2.11	4.14

371	Lavakera	7.42	4.34	4.74	6.23
372	Loro Bagicha	4.36	2.31	2.81	4.09
373	Ludeg	5.10	2.09	2.51	2.30
374	Mahuadih	4.90	3.01	3.61	
375	Maini		9.00	9.00	7.70
376	Matasi	4.10	2.29	2.69	4.06
377	Muskuti	3.12	1.22	1.88	4.38
378	Narayanbaheli	5.10	3.26	3.76	4.97
379	Narayanpur	4.17	2.17	2.57	6.65
380	Nawaguda	5.48	2.98	3.40	6.08
381	Palidih	7.26	4.69	4.91	3.99
382	Pathalgaon	11.17	8.63	9.08	7.40
383	Peta	7.50	5.25	5.65	6.08
384	Phooldih			3.59	1.91
385	Phooldih	5.96	3.29	3.59	
386	Raikera	4.36	1.25	1.55	
387	Raikera(Kunkuri)	5.65	3.71	4.11	4.87
388	Raoni	6.10	4.11	4.51	4.94
389	Rupsera	6.31	5.88	6.21	6.76
390	Sanna	6.48	3.89	5.29	4.98
391	Saraipani	3.80	1.26	1.76	6.40
392	Sarkardih		1.01	1.41	5.06
393	Shabdmunda	6.73	5.86	6.25	6.40
394	Srishringa	3.15	1.26	1.66	5.42
395	Surangpani New	5.20	3.20	3.59	
396	Tangargaon	4.65	2.05	2.95	3.97
397	Tapkara	8.00	5.58	6.00	6.91
398	Tapkara S	8.04			
District - Kanker					
400	Dodhara Pahar		1.25		
401	Dudhawa	1.80		4.30	4.50
402	Govindpur	6.70	4.95		5.35
403	Jhipatota	8.45	8.30		8.85
404	Kulgaon	6.30	2.90		3.30
405	Lakhanpuri	5.50	5.20	6.40	1.95
406	Markatola1			3.65	
407	Murpar	2.95	1.70	3.80	3.15
408	Narharpur			3.20	3.75
409	Tarasgaon		1.10		
410	Urkura	2.96	1.10		2.00
District - Kawardha					
411	Banjari	4.68	1.70	4.35	4.30
412	Bharamdeo D	23.11		16.29	16.77
413	Bharamdeo S	22.21		15.66	16.11
414	Bija Bairangi	7.60	4.81	5.05	6.00
415	Biroda	7.20		6.00	
416	Chhuiha			2.40	

417	Chilpi	6.85	4.68	2.60	5.60
418	Danganiya			2.05	3.50
419	Kawardha1	4.27	1.35	1.20	
420	Kawardha2	23.90		15.75	17.77
421	Kui			3.40	
422	Lohara-d PZ	6.67		3.26	4.35
423	Munmuna			5.15	
424	Rengakharkhurd	7.32	5.87	4.90	5.35
425	Sahaspur Lohara.1		2.92	3.65	3.78
426	Saroda Dadar S			20.52	21.40
427	Uria Khurud			5.50	
District - Korba					
428	Baksahi	5.03	4.50	4.28	5.08
429	Banbandha	2.10	1.88	1.90	2.61
430	Bandhakhar	2.55	2.30	2.15	
431	Barpali Junadhi	7.00	5.53	5.40	5.00
432	Basin	6.00	4.50	4.13	4.81
433	Batati Junction	8.60	5.38	5.10	7.00
434	Bhaisma	3.40	2.25	2.39	3.42
435	Chachiya	6.02	6.03		2.79
436	Chaitama	7.60	6.39	6.10	4.41
437	Champa Mode	4.30	2.25	2.30	2.78
438	Charmar	4.10	3.68	3.42	4.12
439	Dhegurdih Manzipara	6.10	2.10	2.21	4.34
440	Dhourabhata	8.37			
441	Dumardih New	5.20	4.28	4.10	4.24
442	Dumarkachhar	4.80	3.70	3.80	3.65
443	Gopalpur	10.50	8.32	3.60	4.30
444	Gurasiya	8.40	5.40	7.80	9.80
445	Jamchuwa	9.50		9.50	
446	Jatgan	9.57	4.34	4.95	6.71
447	Jhabar	7.30	6.30	5.80	
448	Jogipali	8.20		5.62	5.00
449	Kartala	9.35	8.15	4.92	8.35
450	Kasania	3.60	2.18	3.60	
451	Katghora	1.60	0.90	2.50	2.51
452	Kerwa	7.14	6.20	6.05	
453	Khodri	2.30	1.50	1.30	1.45
454	Kolga	4.75		2.90	
455	Korba		0.00		
456	Korbi	10.40	5.04	6.16	3.18
457	Kothari Naka	4.20	3.35	4.05	4.16
458	Kudmura	14.00	12.53	12.05	10.15
459	Kurtha New	7.90	4.16	5.20	4.76
460	Lakhanpur	3.55	2.10	2.45	5.12
461	Lamna	1.00	0.95	1.10	2.12
462	Lenga	7.87	6.45	5.40	6.30
463	Madai	5.70	3.03	3.66	4.50

464	Makhanpur	12.00			
465	Morga			5.20	6.11
466	Mungadih	4.80	2.37	2.15	3.17
467	Nagai	10.65	8.25	5.75	7.03
468	Naktikhar	5.40	3.38	3.10	4.54
469	Nawapara	5.10	4.40	3.41	6.22
470	Nonbirra	7.10	6.50		
471	Nonbirra	4.55	3.53	3.30	4.32
472	Nonbirra New			6.10	
473	Numera	8.82	6.53	5.97	6.64
474	Pali	1.50	1.30	1.40	1.95
475	Pasan	10.55	8.53	5.20	6.52
476	Pasarkhet	4.40	3.43	4.03	4.42
477	Pondi		2.55	3.20	
478	Purena	6.50	6.10	4.20	4.32
479	Rahadih	8.50	6.79	6.47	7.18
480	Rajkamma		2.53	2.70	2.88
481	Ramtarai Pz Ii		5.78	5.89	5.29
482	Ratija		6.10	5.41	6.24
483	Rewa	8.70	7.80	3.80	5.65
484	Sakdukala	6.60	5.22	4.91	
485	Salihabhata	5.50	4.53	4.20	
486	Sargundia		4.10	1.95	2.29
487	Sendripali	6.75	5.30	5.02	5.38
488	Shuklakhar	9.35	8.70	6.35	6.84
489	Sindhiya		2.20	3.25	4.06
490	Sutarra	4.05	3.80	2.47	4.55
491	Tikeja	5.80	4.70	4.39	3.50
492	Tuman	5.10	4.53	3.80	4.40
493	Tuman	6.10	4.22	3.93	5.60
494	Urga.1	4.80	4.18	4.06	3.62
District - Koriya					
495	Akhradand			6.20	7.01
496	Ara		2.48	3.30	4.67
497	Baharsi.1		1.61	1.95	3.06
498	Baikunth Pur New			3.95	
499	Baikunthpur	6.30	2.40	2.95	3.46
500	Banjaridad S				3.64
501	Banjaridand	2.50	1.16	1.90	2.50
502	Belbehra	7.27	4.17	3.20	3.80
503	Bhainswar		3.90	4.20	5.00
504	Biharpur	11.60	3.10	5.10	2.96
505	Bikrampur	4.90	2.90	3.55	5.05
506	Chainpur	0.50	0.50	0.70	1.01
507	Chharchha Basti	2.90	1.20	1.48	1.16
508	Chirmiri	7.50	4.20	5.75	10.38
509	Chutki		2.84	3.15	4.50
510	Dondki	5.90		4.16	4.28

511	Dumaria			3.70	4.75
512	Garundol		1.85	1.85	3.20
513	Ghugra	9.00	2.58	6.90	9.00
514	Girjapur	3.00		3.00	1.53
515	Jamgahana	2.00	1.20	1.80	2.00
516	Janakpur		3.34	4.48	7.00
517	Jilda	6.00	1.20	1.34	2.37
518	Kailashpur	0.60	0.80	0.70	0.70
519	Kelhari	11.50	3.50	9.20	7.92
520	Khadgaon	4.10	2.22	2.80	4.01
521	Khadgawan			2.90	2.16
522	Khatgori	2.10	0.50	2.22	4.44
523	Khodri	4.00	3.26	4.27	5.34
524	Kiwarpur		1.10	2.10	
525	Manendragarh			3.36	1.22
526	Mansukha		5.50	6.10	
527	Mendrakala	11.00	4.30	6.10	7.20
528	Mohra		1.22	1.48	5.01
529	Nagar Station	3.80	2.18	3.80	4.76
530	Nagar Tilwander New	6.80	2.02	2.02	2.82
531	Nagpur	4.80	1.46	2.10	5.40
532	Patna	8.70		4.70	5.75
533	Patrapali		2.88	2.79	5.58
534	Pendri	3.30	1.76	2.15	3.20
535	Piparia	6.60	1.65	3.48	5.14
536	Podidih			4.16	5.20
537	Pouri		2.35	3.18	2.53
538	Ramgarh		2.88	3.32	
539	Ranai		3.17	4.16	8.18
540	Rojhi	3.60	2.10	2.75	4.01
541	Sarbhoka			2.70	3.00
542	Shripur	2.80	1.75	1.90	1.64
543	Sonhat	1.70	2.84	2.65	2.00
544	Tarabahara	3.50		2.65	3.13
545	Tengri	4.10		2.80	4.24
546	Tilokhan	7.00	4.85	5.90	7.20
547	Ujiyarpur1	4.90	3.08	3.70	4.89
District - Mahasamund					
548	Amlor	2.18	1.40	2.85	2.91
549	Badesara	5.10	2.86	3.29	2.56
550	Bag bahera	3.13	6.46	7.94	9.19
551	Baldidih		7.81	9.28	9.70
552	Barbaspur	1.78			
553	Basna	3.26	2.41	3.80	4.10
554	Basna S	6.18			
555	Belsunda	2.70	2.12	2.50	2.71
556	Bhimkhoj	2.18			
557	Boriya Jhar		1.25	2.35	2.90

558	Deori(bhagat)				10.65
559	Deori		8.83	10.00	
560	Hadabandh	3.94	1.59	2.46	2.71
561	Hadabundh			2.46	
562	Jagdishpur	1.28	2.58	3.80	3.92
563	Jalki	1.46	1.00	2.15	2.31
564	Jamli Nawadih	2.11	3.38	4.60	4.82
565	Jhalap	3.46	7.22	7.50	
566	Jhalap S	5.20	31.37	20.00	24.21
567	Jogidipa		4.10		
568	Khallari	1.69	1.15	2.38	2.44
569	Kowajhar	3.36	1.32	2.95	3.08
570	Lakhanpur	2.68	4.29	5.47	5.61
571	Lavarakhurud	0.90	3.96	4.30	4.51
572	Mahasamund.1	1.06	5.10	6.55	7.17
573	Marod		2.51	3.85	4.11
574	Moulimuda	1.34	1.91	3.11	3.73
575	Palsipani		2.08	3.73	3.73
576	Pithora - 1		7.52	5.65	5.81
577	Pithora PZ		15.37	14.05	15.21
578	Samhar		1.65	3.05	3.45
579	Saraipali		1.10	1.45	1.31
580	Saraipalli-S PZ		15.90	4.85	4.93
581	Suarmar	2.56	6.72	8.11	9.23
582	Tendukonda	3.26	2.57	3.95	3.88
583	Tumgaon	1.05	2.94	3.30	3.51
District - Raigarh					
584	Chhal	3.50		1.41	2.57
585	Kandola New			1.31	1.98
586	Amapali	5.78	3.32	3.82	4.99
587	Amgaon	3.48	1.26	1.66	6.79
588	Amlidih	5.05	3.16	3.46	6.46
589	Araimuda	4.75	2.71	2.47	4.63
590	Auranar	4.60	1.43	1.93	7.35
591	Aurda	3.14	1.39	1.51	4.87
592	Bakaruma	8.35	5.38	5.88	6.37
593	Bamsjer	2.41	1.11	1.51	2.67
594	Bangursian	3.65	1.68	1.93	4.60
595	Baramkela	2.00		1.12	1.61
596	Baramkela S		33.00		22.22
597	Barkaspali	4.10	2.43	2.71	5.89
598	Barpali	6.86	4.78	4.91	5.78
599	Bartapali	4.18	2.29	2.59	5.02
600	Bataupali	2.13	0.66	1.21	3.35
601	Bayasi		7.50	7.50	4.80
602	Bhalumar	5.16	2.26	2.46	3.89
603	Bhangari	5.20	3.29	3.57	7.70
604	Bojia	7.20	5.31	5.51	6.40

605	Bonda		1.27	1.47	
606	Boro		9.98	10.04	7.74
607	Chaple S	6.62	4.65	5.15	6.97
608	Chhind	3.10	1.19	1.32	3.64
609	Chimtapani	4.45	2.23	2.39	5.82
610	Chiraipani	3.16	1.71	1.81	5.70
611	Choranga	7.20		4.61	5.62
612	Chukimar	3.92	1.91	2.13	8.52
613	Damdarha		8.91	8.88	
614	Derpani	5.35	3.21	3.11	
615	Devgarh	3.18	1.28	1.31	5.93
616	Dharamjaigarh PZ	3.08	2.17	2.67	3.50
617	Dharamjaygarh	3.08	3.21	2.36	5.02
618	Dharmajaigarh	3.61	1.11	2.36	4.63
619	Duliamuda	2.90	0.98	1.03	6.95
620	Dumarpali	7.11	4.31	4.22	5.85
621	Durgapur	6.11	3.46	3.56	6.50
622	Edu	6.76	3.26	3.31	6.00
623	Farkanara	3.41	1.21	1.28	8.06
624	Futhamura	3.81	1.11	1.24	3.66
625	Gare Nhs	3.96	1.12	1.21	4.67
626	Gersa	4.70	1.99	2.10	4.90
627	Gerwani	4.30	2.10	2.21	7.30
628	Gharghoda	6.89	4.39	4.31	5.44
629	Godam	0.65		0.41	
630	Golabuda	4.37	1.22	1.33	4.70
631	Gosaidih	3.11	0.88	1.22	4.42
632	Hati	3.16	1.26	1.21	3.41
633	Hirri1	0.95	0.11	0.31	
634	Jabga	7.18	4.31	4.51	7.03
635	Jamga Railway Station	3.71	2.26	2.46	3.15
636	Jamgaon			2.31	
637	Jamgaon Basti	3.32	2.10	2.31	2.84
638	Jegarpur	3.14	2.13	2.33	5.93
639	Jhikipali	4.28	2.21	2.11	3.12
640	Kanakbira	2.22	0.66	0.91	
641	Kandadand	5.11	2.11	2.21	4.20
642	Kapu	5.40	3.23	3.33	4.88
643	Kargipali Kargidipa	3.10	1.21	1.25	6.74
644	Karramarra				0.81
645	Katangdih	3.37	1.31	1.51	5.98
646	Kathali New			0.69	1.58
647	Kedar	3.46	1.39	1.59	2.94
648	Kerajhar	3.18	1.21	1.41	3.16
649	Kerigarhi	5.17	2.29	2.41	
650	Khadgaon1	3.46	1.27	1.38	11.20
651	Khamhar	4.90	2.23	2.38	6.55
652	Kharasia S	5.55	3.11	3.71	
653	Kharsia	2.10	1.03	1.19	2.60
654	Koknara	4.27	2.31	2.43	3.73

655	Koshmanda	2.19	1.13	1.21	4.95
656	Kotarliya	3.16	1.49	1.56	3.29
657	Kotra	1.15	0.55	0.67	1.47
658	Kotrimal	3.37	1.27	1.39	4.25
659	Kulhadhgaon	3.17	1.26	1.34	6.40
660	Kurekela	6.82	4.23	4.33	5.64
661	Kurmibhuna	3.95	1.51	1.71	
662	Kushal Nagar	2.18	0.89	0.98	3.05
663	Lailunga1	6.22		4.47	7.08
664	Lakshmipur	3.30	2.26	2.46	4.20
665	Lendhara	4.15	2.23	2.41	2.80
666	Libra	2.19	1.12	1.21	5.84
667	Lipti	4.10	3.10	3.30	4.20
668	Mahuapali	2.16	1.51	1.73	
669	Malda-B	3.45	2.13	2.21	7.69
670	Milupara	2.20	1.21	1.33	9.40
671	Mumund	2.84	1.53	1.67	
672	Navrangpur	1.91	0.54	0.66	
673	Ongana New	3.40	1.25	1.31	4.50
674	Padigaon	2.12	1.31	1.46	2.59
675	Pakargaon	4.12	2.21	2.41	3.48
676	Pindri	2.46	0.86	0.98	1.28
677	Pordahi	4.47	2.21	2.41	1.20
678	Raigarh	2.85	1.66	1.77	3.10
679	Rajpur.1	3.48		2.28	
680	Rengalpalli	3.50	1.91	2.03	4.27
681	Rera	2.17		1.24	1.83
682	Salkhiya	4.05		2.39	4.92
683	Samaruma		2.09	2.21	
684	Sambalpuri New		1.03	1.23	2.79
685	Saria1		2.23		
686	Semra	2.36	0.91	1.05	
687	Shahpur Colony	4.14	1.99	2.11	6.09
688	Sirsinga Temple			4.43	
689	Sisringa	6.98	4.33	4.43	4.76
690	Surajgarh	1.28	0.65	0.77	5.20
691	Tadola				5.46
692	Tamnar	2.16	1.15	1.25	7.96
693	Taraimal			3.13	
694	Taraimal1.1	5.07	3.02	3.13	6.83
695	Tendumar New	4.20	2.98	3.03	
696	Teram Dw		2.13	2.21	4.40
697	Tetla	3.05	2.61	2.66	1.67
District - Raipur					
698	Abhanpur	2.79	2.10	4.26	4.45
699	Amera	1.05		1.60	1.68
700	Amethi		3.11	2.69	2.50
701	Aouri	1.67		2.65	2.71

702	Arang S		7.49	7.57	8.51
703	Arjuni	2.16		2.67	2.73
704	Baihar		7.27	3.95	4.11
705	Bajrangpur	1.65	1.25	2.12	2.90
706	Baloda bazar	2.36		8.60	8.63
707	Baronda		6.15		7.42
708	Baruka	1.56		8.00	
709	Bhaisa New		1.80	2.95	
710	Bhatgaon	1.26		4.46	5.62
711	Bhatia	3.46		1.50	1.83
712	Bhatia	1.32	1.41	1.50	1.61
713	Biladi	4.00	3.62	4.46	3.11
714	Bilaigarh	2.28		2.25	2.31
715	Bitkuli	3.23		1.20	1.29
716	Chandi			1.17	1.21
717	Charauda	1.78	1.78	2.80	2.71
718	Charched	1.07	2.11	3.20	3.40
719	Chhura	2.22	3.78	4.01	8.90
720	Chicholi	1.47	1.23	2.30	2.87
721	Darchura	1.72		2.35	1.80
722	Devpuri		1.80	2.60	5.77
723	Devri	4.28	4.00	5.20	7.71
724	Devri		6.05	6.45	
725	Devsundari	1.26		2.30	2.33
726	Dhabadih			4.28	4.31
727	Dhamarkhera	3.34		3.85	3.02
728	Dharsiwa		1.41	2.65	2.35
729	Dharsiwa S		4.59	6.62	7.21
730	Dumartarai		1.38	2.15	1.10
731	Fingeshwar		4.50		11.65
732	Gariaband	2.27	4.70	3.95	6.37
733	Ghivera	5.60	0.60		2.21
734	Godhi	8.15	5.03	6.75	7.24
735	Gotiadih		1.55	2.01	3.43
736	Hadabandh	1.05		2.30	
737	Haswa			3.60	3.51
738	Hathband			2.30	2.40
739	Kanki		2.28	3.20	1.23
740	Kanki New			1.10	
741	Kanki S		1.74	2.95	3.53
742	Kasarangi New			2.59	1.19
743	Kasdol	2.60		2.40	2.34
744	Kedar		1.10	2.15	2.25
745	Kendri	1.46	2.29	4.28	4.81
746	Khapri			6.28	6.31
747	Kharkhara	1.78	1.36	2.00	1.81

748	Kharora	2.83	2.95	3.25	3.81
749	Kirwai			4.00	
750	Kirwai-Fokatpara Fingeshwar		3.03	4.00	4.10
751	Kopra	2.68		1.02	0.70
752	Kurra		1.50	2.74	1.56
753	Kurru		2.59	3.05	3.45
754	Kurud	1.69	12.00	13.00	13.20
755	Kusrangi		0.64		
756	Lahaud			2.30	2.37
757	Lawan			1.90	1.88
758	Malgaon	1.72	2.00	2.10	2.10
759	Manabasti	2.08	3.35	3.90	2.21
760	Mandalpur			2.56	2.77
761	Mandirhasud		3.00	4.86	4.97
762	Math	4.40	2.28	2.90	3.11
763	Mudhipar	2.25		2.83	2.84
764	Mundagaon		2.10	1.17	2.98
765	Narra			4.10	
766	Navagaon		1.73	3.80	3.06
767	Nawagaon	2.90	2.20	3.35	3.69
768	Palari		1.50	2.80	3.09
769	Pandan Bhata		1.90	2.78	2.88
770	Panderbhata S		1.99	3.42	3.89
771	Panduka	1.41	2.91	3.65	2.80
772	Parsakhurd		2.44	2.75	3.03
773	Piperhatta	5.14	3.60	4.15	4.35
774	Pond	1.88	1.80	2.65	2.50
775	Raita Satna Ni Para		2.69	3.85	4.10
776	Rajim	2.26	7.92	7.55	9.80
777	Ranisagar	5.50	1.00	1.18	1.92
778	Ravi Shankar University Raipur		1.17	1.80	2.45
779	Rawan	3.65	0.70	1.60	1.65
780	Risda			3.91	3.43
781	Sakara	2.46	8.70	9.85	
782	Sandi			3.10	3.11
783	Saragaon	2.32	1.96	2.40	2.71
784	Sarkada		2.08	2.25	1.80
785	Sarsiwa			5.84	5.88
786	Sel	2.36		1.18	1.19
787	Semariya	7.28	3.95	2.75	3.11
788	Simga			2.95	2.97
789	Suhela			3.37	3.39
790	Sursabandha		1.69	2.65	2.88
791	Tarpongi	2.22	1.38	2.28	3.70
792	Tatibandh MVM		3.58	5.18	5.22

793	Tundri	2.15		3.26	3.29
794	Udela	1.65		2.95	3.06
District - Rajnandgaon					
795	Anjora	1.70	0.98	1.33	1.27
796	Badaitola	4.40			
797	Baigatola			2.20	
798	Bandha Bazar		1.80	1.90	1.85
799	Bhaistara Bhatapara	7.50	4.80	3.68	6.70
800	Bharritola				5.70
801	Bhorampur				5.95
802	Bija Bhata	13.78	12.10		7.47
803	Bitejhar				4.50
804	Bori	2.35		2.43	2.33
805	Boriatibhu				6.50
806	Chichola	9.30	6.70		7.00
807	Chirchari	4.35	3.15		2.65
808	Devkatta			4.40	5.45
809	Dhaneli	7.31	5.05	4.40	4.88
810	Dhara	6.18	3.93		5.20
811	Dongargaon.1	3.80	2.41	2.50	2.88
812	Dongargarh	10.17	4.90	2.90	
813	Gandaipandaria	7.46	5.35	7.40	
814	Gidhwah			3.30	4.50
815	Govindpur	4.80	2.92	3.15	4.15
816	Jalbanda	3.30	1.86	3.15	
817	Jantar			2.50	5.88
818	Joratarai	5.17	1.50	2.15	2.20
819	Kalyanpur	5.27			
820	Khairagarh	6.25	3.40	5.50	6.35
821	Kokpur-I			1.65	1.85
822	Konhari	6.25	5.10	2.89	2.67
823	Kumarda.1		1.50	1.70	1.80
824	Lal bhadurnagar	8.20	5.72	2.58	4.70
825	Maladabri	3.74	2.11	2.03	2.87
826	Mohala			4.25	
827	Narmada	5.18	3.23	1.75	3.53
828	Nawagaon	6.35	1.70	2.15	2.75
829	Pailimeta				5.40
830	Patewa	2.03	0.92		2.70
831	Rajnandgaon-S PZ		3.00	6.22	6.58
832	Rangkathera			1.95	3.90
833	Ranitarai	1.46	0.87	1.61	1.25
834	Reevadih	3.84	2.05	1.82	2.55
835	Sahaspur Dalli		1.61		
836	Salhe Bara			6.80	8.50
837	Saloni			2.40	

838	Singhola		1.80	1.46	
839	Somni	5.85			
840	Sundara	4.30	1.90	1.86	1.60
841	Talagaon	8.35	5.61	2.98	4.25
842	Talai	5.75	2.30	2.45	2.00
843	Tappa		2.30	1.79	3.30
844	Uperwahi	2.15		2.90	2.00
845	Uraidabritola	7.85		3.25	
District - Surguja					
846	Abhaypur	6.40	5.12	6.34	3.18
847	Alkadih	7.50		4.16	5.32
848	Ambikapur				2.55
849	Amdih	3.90	1.97	2.28	
850	Amgachi	8.50	1.70	2.18	
851	Bachwar	5.20		2.42	3.43
852	Badsara	3.40	2.36	4.86	5.53
853	Baghima	2.60		1.90	2.60
854	Bandana	3.40	3.40	6.74	3.40
855	Banshipur	9.30	3.50	5.78	9.30
856	Bario			3.72	4.48
857	Batauli Kunkurikala	2.80	1.90	2.35	2.80
858	Batauli S		5.48	4.68	5.70
859	Belkota	8.00	3.89	5.10	
860	Bhadar	5.60	2.90	3.88	4.42
861	Bhediya	5.90	3.95	4.60	5.10
862	Biharpur			5.10	3.92
863	Bishrampur	4.50	3.08	3.87	4.89
864	Bulga	1.80		1.40	2.02
865	Chaimpur			5.10	
866	Chanchi-Dand	4.90		4.34	5.60
867	Chandora		1.94	3.10	
868	Chatakpur	4.00	1.90	3.42	4.30
869	Chilamkala-Rajpur Block			2.68	
870	Chilma Kala			2.68	3.90
871	Dalbahara	2.70	1.18	4.95	1.62
872	Dandgaon	3.10	1.78	3.28	
873	Dandgaon Koltapara	9.10	2.14	3.62	
874	Darhora	6.70	2.62	5.10	
875	Darima	6.00	3.48	5.85	6.10
876	Dawankera	4.95	2.18	4.45	4.98
877	Deonagar			2.20	3.48
878	Dharampur	11.10	2.95	6.27	7.30
879	Dhaurpur	5.60	3.24	3.90	
880	Dhondha			4.90	5.02
881	Durti		2.22	8.88	9.06
882	Dwarikanagar	6.50	4.20	7.00	6.50

883	Fulkona	1.70	1.20	1.90	4.42
884	Ganeshpur	7.10	4.46	2.80	5.10
885	Gangapur	9.20	6.20	5.62	
886	Ghorghadi	6.20	1.20	3.16	4.42
887	Gonda	6.25	3.42	4.68	6.25
888	Jagannathpur	4.40	1.25	4.80	5.96
889	Jagatpur Podipara			4.10	4.32
890	Jajga	7.50		4.10	
891	Jaynagar	10.10	7.16	4.90	9.05
892	Kakalo	6.30	1.85	5.55	6.30
893	Kalyanpur	5.80	2.20	4.92	5.80
894	Kamleswarpur	19.05	12.18	14.65	18.70
895	Kanakpur		8.12	5.55	6.60
896	Karajwar	7.80	3.88	6.10	
897	Karji			3.65	4.52
898	Katarouli Harrapara	6.80	5.23	6.55	
899	Khandapara	5.30	3.36	4.29	3.22
900	Krishnapur Kalwa	7.30	4.88	5.18	4.50
901	Kunni	8.10			
902	Kurji			3.42	
903	Lakhanpur	3.70	2.18	3.58	
904	Lundra			5.20	
905	Lundraa	7.00	3.89	5.20	7.00
906	Majeera			3.70	4.86
907	Nagadand	13.40	6.68	9.18	13.20
908	Narayanpur			4.70	6.70
909	Nawapara	5.50	2.61	4.65	5.50
910	Odigi			3.38	4.60
911	Pachira	6.90	5.60	3.90	
912	Parsa	8.70	2.30	4.18	7.20
913	Parsagudi			3.32	4.52
914	Pasta			2.62	2.98
915	Pasta S	5.80	3.10	2.62	5.98
916	Podi		2.15	3.28	3.35
917	Pratapgarh		3.86	5.65	
918	Premnagar	7.20	5.20	10.25	9.60
919	Premnagar D		8.95	10.25	11.21
920	Rajakatel	9.50	3.17	4.28	
921	Rajpur	9.30	5.51	5.88	6.90
922	Rajpurikhurd	4.80	1.47		
923	Ramanuj nagar			4.62	4.84
924	Reonti	11.00	3.45	4.15	4.67
925	Samouli		4.68	5.98	4.25
926	Sargaon	1.70	1.30	1.65	2.30
927	Sargawan			4.16	5.02
928	Sedam			6.45	
929	Shivnagar			7.88	

930	Silsila		3.89	5.48	
931	Singhitana	4.20	2.88	4.17	
932	Sirsi	6.90	3.12	6.90	
933	Sitapur New	7.18	4.26	5.70	6.48
934	Sitapur-d		4.16	5.95	7.12
935	Songara	13.30	4.42	5.95	13.34
936	Sontarai	5.80	2.56	4.56	5.85
937	Sotipara Bhaingamunda	5.00	2.18	5.16	5.00
938	Sumerpur	4.00	4.88	5.12	
939	Surajpur	4.90	3.72	2.78	
940	Tara	12.90	6.17	5.98	8.02
941	Taraa			6.98	
942	Tattapani			3.70	4.98
943	Udaipur	6.00		7.05	
944	Udaipur Dhah	5.50	1.95	5.72	
945	Udaipur-d	13.10	10.11	10.10	10.96
946	Udaipur-s	12.10	9.35	9.25	8.95

Water quality data for National Hydrograph Monitoring Stations 2021-22 Annexure III

Sl. No.	District	Block	Location	Long	Lat	pH	EC	CO3	HCO3	Cl	NO3	SO4	F	Th	Ca	Mg	Na	K	Si	PO4	U
1	Durg	Gurur	Gurur	81.41	20.68	7.2	763	0	268	92	21	29	0.6	360	76	41	17	2	6	0.0	0.0
2	Durg	Gurur	kuliya	81.44	20.68	7.2	395	0	146	35	14	32	0.4	160	40	14	15	9	4	0.0	0.0
3	Durg	Gurur	Balodgahan	81.47	20.65	7.4	707	0	268	58	14	50	0.8	310	68	34	17	6	6	0.0	0.0
4	Durg	Gurur	Jagtara	81.44	20.62	7.2	389	0	207	14	2	9.1	0.5	170	52	10	12	2	5	0.0	0.0
5	Durg	Gurur	Markatola	81.38	20.57	7.7	461	0	256	14	0	12	0.6	160	32	19	37	3	4	0.0	0.0
6	Kanker	Charama	Ratesara	81.40	20.46	7.4	293	0	122	14	0	40	0.9	100	24	10	27	1	13	0.0	0.0
7	Kanker	Charama	Machandur	81.37	20.53	7.5	1232	0	415	135	59	61	0.0	520	124	50	47	12	13	0.0	0.0
8	Kanker	Makdi	Makdi	81.91	19.77	7.5	510	0	244	28	8	23	0.7	210	60	14	28	1	14	0.0	0.0
9	Kanker	Kanker	Govindpur	81.48	20.28	7.6	1189	0	403	177	22	39	1.5	360	96	29	107	2	13	0.0	0.0
10	Kanker	Sarana (Narharpur)	Murpar	81.64	20.28	7.1	410	0	195	35	6	11	0.5	150	52	5	28	1	21	0.0	0.0
11	Kanker	Kanker	Kulgoan	81.51	20.18	7.5	649	0	146	21	12	0	1.1	290	80	22	26	0	15	0.0	0.0
12	Bastar	Keshkal	Keshkal	81.59	20.10	7.4	380	0	281	64	26	0	0.4	140	36	12	21	2	19	0.0	0.0
13	Bastar	Keshkal	Batrali	81.58	20.06	7.6	318	0	146	43	1	0	0.3	100	24	10	30	2	9	0.0	0.0
14	Kondagaon	Keshkal	Garaka	81.60	20.00	6.8	377	0	128	35	27	0	0.3	140	32	14	15	3	16	0.0	0.0
15	Bastar	Baderajpur	Pharasgaon	81.64	19.86	6.9	265	0	122	64	19	0	0.2	110	24	12	15	2	29	0.0	0.0
16	Bastar	Kondagaon	Massaukokada	81.62	19.92	7.8	263	0	116	21	32	0	0.2	90	28	5	22	1	23	0.0	0.0
17	Bastar	Kondagaon	Borgaon	81.64	19.82	6.7	400	0	98	71	32	10	0.2	160	48	10	23	1	16	0.0	0.0
18	Kondagaon	Pharasgaon	Kulhadhgaon	81.66	19.78	7.0	261	0	146	14	0	0	0.3	110	32	7	14	2	14	0.0	0.0
19	Bastar	Pharasgaon	Lanjora	81.65	19.72	6.9	1385	0	390	255	0	20	0.4	620	20	65	39	1	25	0.0	0.0
20	Bastar	Pharasgaon	Jaitpuri	81.66	19.68	7.0	285	0	134	28	15	10	0.3	110	36	5	18	3	18	0.0	0.0
21	Kondagaon	Kondagaon	Kondagaon	81.67	19.60	8.0	562	0	195	64	39	5	0.3	200	56	14	28	2	16	0.0	0.0
22	Bastar	Kondagaon	Chikalphuti	81.67	19.58	7.7	340	0	183	21	11	0	0.2	150	32	17	16	2	14	0.0	0.0
23	Bastar	Kondagaon	Dahikonga	81.72	19.47	7.0	279	0	134	28	14	0	0.3	115	32	8	12	1	13	0.0	0.0
24	Bastar	Kondagaon	Surkupal	81.72	19.59	7.6	262	0	134	21	3	0	1.5	110	24	12	16	0	14	0.0	0.0
25	Bastar	Kondagaon	Joba	81.76	19.44	8.1	260	0	134	14	3	0	1.5	100	28	7	17	0	4	0.0	0.0

26	Bastar	Bastar	Bhanpuri	81.83	19.33	7.6	302	0	122	14	6	0	1.2	140	40	10	4	1	5	0.0	0.0
27	Bastar	Londigura	Chitrakot	81.72	19.20	7.7	376	0	232	7	0	0	0.3	170	48	12	12	4	5	0.0	0.0
28	Bastar	lourdigadh	Usri bera	81.75	19.17	7.3	422	0	244	14	8	0	0.2	215	68	11	4	1	6	0.0	0.0
29	Bastar	Bastar	Chappar Bhanpuri	81.86	19.14	7.2	396	0	220	14	10	0	0.4	195	64	8	5	0	6	0.0	0.0
30	Bastar	Jagdalpur	Dewargaon	81.90	19.12	7.8	298	0	146	14	11	0	0.2	140	36	12	3	1	6	0.0	0.0
31	Bastar	Jagdalpur	Kumharwand	81.96	19.09	7.6	233	0	122	7	1	8	0.2	115	36	6	2	1	4	0.0	0.0
32	Bastar	Jagdalpur	Jagdalpur	82.03	19.09	6.8	181	0	79	14	4	5	0.3	80	20	7	5	2	3	0.0	0.0
33	Bastar	Jagdalpur	Markel	82.15	19.06	6.8	123	0	61	7	1	0	0.1	50	12	5	2	3	2	0.0	0.0
34	Bastar	Jagdalpur	Bastar	81.94	19.20	7.4	349	0	171	21	18	0	0.3	175	52	11	4	1	5	0.0	0.0
35	Bastar	Bastar	Sonarpal	81.89	19.26	7.4	607	0	268	43	29	0	0.3	280	92	12	8	4	4	0.0	0.0
36	Kondagaon	Makadi	Baniyagaon	81.69	19.50	7.9	263	0	122	21	11	0	0.3	110	40	14	12	3	14	0.0	0.0
37	Bastar	Bastar	Farsaguda	81.81	19.35	7.5	268	0	98	21	20	0	0.3	110	32	7	9	0	4	0.0	0.0
38	Kanker	Kanker	Kanker	81.50	20.28	7.3	1533	0	378	255	1	70	1.5	520	84	74	119	2	15	0.0	30.0
39	Kanker	Charama	Tegara	81.44	20.37	7.5	255	0	152	7	0	0	1.1	115	36	6	9	2	14	0.0	0.0
40	Kanker	Charama	Lakhanpuri	81.43	20.39	7.5	1292	0	256	213	39	100	1.0	500	84	70	69	1	12	0.0	0.0
41	Kanker	Charama	Jhipatota	81.37	20.48	7.6	906	0	262	106	28	40	0.5	300	88	19	59	2	10	0.0	0.0
42	Bilaspur	Pendra	Adbhar	81.59	22.49	8.0	378	0	171	35	0	9.8	0.4	145	40	11	26	2	9	0.0	1.6
43	Bilaspur	Masturi	Bakarkuda	82.27	21.92	7.9	695	0	293	64	2	19.3	0.3	290	60	34	28	2	5	0.0	1.0
44	Bilaspur	Kota	Banabel	82.11	22.47	8.0	1153	0	415	149	0	30	0.8	260	20	50	150	1	8	0.0	3.0
45	Bilaspur	Kota	Bansajhal	82.12	22.38	8.2	421	0	207	28	2	14	0.3	180	44	17	21	1	6	0.0	0.5
46	Bilaspur	Bilha	Bartoli	82.15	21.88	7.7	1179	0	305	142	67	49	0.0	400	72	53	69	4	6	0.0	1.0
47	Bilaspur	Kota	Belgahana	82.03	22.43	7.9	700	0	311	64	5	27	1.2	300	44	46	38	1	11	0.0	1.0
48	Bilaspur	Takhatpur	Beltara	82.27	22.27	7.7	1150	0	244	206	37	48	0.0	470	84	62	45	1	10	0.0	25.0
49	Bilaspur	Bilaspur	Bhadrapara	82.34	22.16	7.9	533	0	244	35	5	35	0.0	240	36	36	21	3	16	0.0	1.0
50	Bilaspur	Bilha	Bilaspur (Hemunagar)	82.19	22.05	7.8	801	0	281	85	13	53	0.1	275	44	40	65	2	10	0.0	11.0
51	Bilaspur	Bilha	Bilha	82.09	21.96	7.8	885	0	329	78	9	31	0.3	250	52	29	77	2	8	0.0	1.6
52	Bilaspur	Masturi	Binauri	82.27	21.86	7.9	676	0	171	113	7	25	0.0	270	48	36	23	11	7	0.0	5.0
53	Bilaspur	Bilha	Bitkuli	82.05	21.95	7.9	667	0	268	64	9	33	0.1	310	52	43	19	1	6	0.0	1.0
54	Bilaspur	Masturi	Bothidih	82.24	21.99	7.6	1451	0	348	199	68	91	0.0	560	100	74	71	1	14	0.0	1.4
55	Bilaspur	Bilha	Chakarbhata	82.12	22.00	7.7	725	0	244	78	26	59	0.0	285	60	32	25	1	12	0.0	3.0

56	Bilaspur	Marwahi	Chchgohana	82.04	23.02	8.0	228	0	79	14	9	27	0.0	90	28	5	12	1	10	0.0	2.0
57	Bilaspur	Masturi	Chilhati	82.31	21.78	8.0	1072	0	512	85	13	27	0.8	195	4	44	177	2	9	0.0	1.0
58	Bilaspur	Bilha	Dagauri	82.07	21.89	7.6	1739	0	665	241	8	52	0.0	430	44	77	184	93	13	0.0	0.4
59	Bilaspur	Marwahi	Danikundi	82.07	22.93	8.1	585	0	183	64	63	22	0.0	250	60	24	26	3	8	0.0	3.1
60	Bilaspur	Marwahi	Dhanpur	81.99	22.88	8.1	122	0	43	14	6	6	0.0	50	12	5	5	2	12	0.0	0.5
61	Bilaspur	Takhatpur	Ganiyari	82.05	22.19	7.7	511	0	268	14	16	18	0.1	245	48	30	12	1	8	0.0	0.3
62	Bilaspur	Takhatpur	Gatori	82.14	22.19	7.7	252	0	61	43	0	18	0.0	110	24	12	8	3	6	0.0	0.8
63	Bilaspur	Gaurela (pendrarod) - 2	Gaurela	81.91	22.75	7.4	1089	0	293	206	7	29	0.0	350	84	34	100	2	9	0.0	0.4
64	Bilaspur	kota	Ghansipur (sainik camp)	82.14	22.36	7.4	613	0	305	28	7	16	0.5	235	44	30	37	1	10	0.0	0.6
65	Bilaspur	Bilha	Hirri	82.05	21.97	7.3	690	0	268	64	1	34	0.0	285	48	40	28	3	13	0.0	15.0
66	Bilaspur	Takhatpur	Jaroundha	81.56	22.15	7.4	804	0	366	21	13	77	0.0	360	96	29	26	3	11	0.0	0.8
67	Bilaspur	Kota	Jhingatpur	82.00	22.37	7.2	494	0	268	28	4	3.2	0.0	215	44	25	23	2	9	0.0	2.5
68	Bilaspur	Kota	Jogipur	82.08	22.30	7.4	542	0	232	35	27	22	0.0	225	52	23	27	1	8	0.0	0.8
69	Bilaspur	Mungeli	Kanteli.1	81.65	22.15	7.4	560	0	281	43	7	7.5	0.1	245	44	32	27	1	12	0.0	0.4
70	Bilaspur	Kota	Kargi khurd	81.96	22.27	7.3	792	0	293	78	64	33	0.0	400	72	53	16	1	7	0.0	4.0
71	Bilaspur	Kota	Kenda	82.08	22.53	7.8	264	0	183	14	2	3.3	0.0	130	28	14	15	6	9	0.0	0.3
72	Bilaspur	Gaurela (pendrarod) - 1	Keonchi	81.77	22.62	7.4	359	0	171	21	0	15	0.8	125	36	8	30	1	12	0.0	1.0
73	Bilaspur	Kota	Khaira	82.14	22.36	7.3	527	0	293	28	1	9	0.7	195	40	23	45	1	10	0.0	6.7
74	Bilaspur	Mungeli	KhamariaA	81.84	22.07	7.5	865	0	409	57	12	23	0.0	225	32	35	102	1	14	0.0	2.5
75	Bilaspur	Takhatpur	Khamharia1B	81.99	22.12	7.2	1738	0	464	227	60	57	0.0	585	68	100	101	1	16	0.0	3.5
76	Bilaspur	Masturi	Koni	82.24	21.98	7.4	928	0	366	99	14	32	0.2	205	68	8	97	54	10	0.0	2.5
77	Bilaspur	Kota	Kota(kargi)	82.03	22.29	7.3	614	0	140	99	58	14	0.0	200	72	5	53	2	11	0.0	2.0
78	Bilaspur	Marwahi	Kotmi.1	82.09	22.81	7.4	268	0	159	14	2	3.1	1.5	100	32	5	27	3	13	0.0	1.0
79	Bilaspur	Marwahi	Kudwahi	81.98	22.86	7.0	718	0	256	92	8	24	0.0	310	76	29	28	1	14	0.0	3.0
80	Bilaspur	Takhatpur	Kuli	82.42	22.14	7.2	172	0	85	7	2	5	0.0	50	12	5	17	1	11	0.0	1.0
81	Bilaspur	Marwahi	Lekhani	81.98	22.91	7.2	987	0	305	142	31	36	0.0	450	76	62	28	1	10	0.0	4.5
82	Bilaspur	Takhatpur	Madanpur A	82.15	22.24	7.8	961	0	390	35	0	105	0.2	250	40	36	103	6	9	0.0	1.6
83	Bilaspur	Bilaspur	madhanpur B	82.15	22.25	7.5	134	0	43	14	12	5.4	0.1	50	20	0	10	1	10	0.0	0.4
84	Bilaspur	Masturi	Malhar	82.29	21.89	7.7	551	0	262	28	10	36	0.3	245	60	23	27	1	8	0.0	1.6

85	Bilaspur	Marwahi	Marwahi	82.07	23.02	7.7	1016	0	390	92	3	60	0.0	450	116	38	27	2	12	0.0	0.6
86	Bilaspur	Bilaspur	Matiyari	82.26	22.13	7.8	640	0	281	35	31	24	0.2	260	44	36	33	1	7	0.0	6.2
87	Bilaspur	Masturi	Masturi	82.27	21.99	8.0	1275	0	622	78	10	50	1.0	440	96	48	111	4	11	0.0	3.1
88	Bilaspur	Kota	Minrapara-Ratanpur	82.12	22.39	7.7	1016	0	342	92	66	58	0.1	450	88	55	32	6	14	0.0	7.0
89	Bilaspur	Kota	Nawapara	82.12	22.43	8.1	511	0	305	7	8	7.5	0.0	250	60	24	10	1	10	0.0	1.5
90	Bilaspur	Kota	Nawadih	82.00	22.39	8.0	212	0	92	28	2	16	0.4	90	28	5	19	0	12	0.0	0.9
91	Bilaspur	Takhatpur	Neora	81.93	22.21	7.7	702	0	317	43	18	40	0.0	310	56	41	30	1	11	0.0	0.2
92	Bilaspur	Marwahi	Nimdha	81.95	22.95	7.7	1004	0	336	128	51	38	0.0	460	100	50	36	2	14	0.0	1.2
93	Bilaspur	Lormi	Pali(Lormi)	81.84	22.26	7.9	170	0	110	14	6	14	0.0	110	32	7	8	1	13	0.0	1.1
94	Bilaspur	Masturi	Panchpedi	82.27	21.83	7.7	1052	0	464	64	29	79	0.2	445	76	61	57	9	10	0.0	0.9
95	Bilaspur	Kota	Pandra Patha	82.04	22.43	8.0	531	0	183	28	23	36	0.5	165	52	8	38	1	11	0.0	2.4
96	Bilaspur	Masturi	Kohronda	82.35	21.93	8.0	510	0	201	43	27	37	0.6	210	64	12	32	2	9	0.0	13.0
97	Bilaspur	Marwahi	Pandri (Dhanwari Posa)	82.00	22.99	7.8	783	0	293	85	5	44	0.0	360	80	38	24	1	14	0.0	2.0
98	Bilaspur	Gaurela (pendrarod) - 1	Piperkhuti	81.88	22.66	7.8	184	0	104	7	1	4.1	0.2	65	20	4	18	0	8	0.0	1.0
99	Bilaspur	Kota	Ratanpur	82.18	22.28	7.5	1660	0	488	213	72	72	0.0	710	172	67	57	2	7	0.0	3.3
100	Bilaspur	Gaurela (pendrarod) - 1	Rupandand	81.89	22.70	7.8	386	0	140	28	32	19	0.4	130	48	2	32	1	13	0.0	0.8
101	Bilaspur	Kota	Saraipalli	81.94	22.34	7.6	904	0	281	135	24	47	0.0	420	160	5	31	1	12	0.0	0.9
102	Bilaspur	Marwahi	Seoni	81.96	23.01	7.9	199	0	73	14	21	5.7	0.0	65	16	6	18	2	10	0.0	0.5
103	Bilaspur	Marwahi	Sewra	81.98	22.85	7.6	759	0	329	64	2	30	0.6	310	52	43	40	0	16	0.0	2.2
104	Bilaspur	Marwahi	Shekhwa	82.09	22.84	8.0	401	0	256	7	1	5.3	0.0	170	48	12	27	0	10	0.0	9.0
105	Bilaspur	Kota	Shivtarai	81.93	22.35	7.7	901	0	397	64	23	63	0.4	310	48	46	87	3	8	0.0	16.0
106	Bilaspur	Kota	Shripara	82.01	22.21	7.7	801	0	342	28	14	84	0.0	275	44	40	66	1	7	0.0	3.2
107	Bilaspur	Takhatpur	Sipat	82.28	22.15	7.6	714	0	256	57	7	60	0.0	305	56	40	24	1	6	0.0	2.0
108	Bilaspur	Mungeli	Surada	81.67	22.09	8.0	369	0	207	14	1	10	0.2	140	28	17	28	2	7	0.0	0.3
109	Bilaspur	Bilha	Sawti	82.08	21.54	7.5	1493	0	641	92	57	99	0.0	650	156	62	70	2	20	0.0	7.1
110	Bilaspur	Kota	Saudhakhurd	82.07	22.50	7.6	898	0	305	78	1	88	0.4	195	40	23	117	2	16	0.0	0.8
111	Bilaspur	Takhatpur	Takhatpur.1	81.87	22.13	7.8	579	0	207	57	20	36	0.2	265	92	8	19	1	10	0.0	0.8
112	Bilaspur	Marwahi	Tendumuda	82.01	23.06	7.9	451	0	220	14	13	37	0.4	215	52	20	17	1	13	0.0	1.2

113	Bilaspur	Kota	Tenduwa	81.88	22.25	7.7	676	0	171	64	56	39	0.0	280	96	10	16	2	10	0.0	1.0
114	Bilaspur	Masturi	Tikari (Sadak Para)	82.27	21.99	7.7	454	0	195	35	12	21	0.0	200	44	22	20	1	16	0.0	2.0
115	Bilaspur	Marwahi	Tikthi	82.07	23.08	7.8	223	0	122	14	0	4	1.5	80	20	7	23	0	14	0.0	0.3
116	Bilaspur	Takhatpur	Udaypur	81.75	22.27	7.9	297	0	165	7	2	16	0.4	125	32	11	18	0	12	0.0	0.3
117	Bilaspur	Pendra road	Dharhar	81.96	22.98	7.5	183	0	67	21	0	13	0.0	70	20	5	14	0	9	0.0	0.8
118	Bilaspur	Kota	Chhatauna	82.07	22.02	7.3	1780	0	671	213	7	50	0.3	560	48	106	153	13	12	0.0	15.0
119	Bilaspur	Pendra Road	DamDam	82.14	22.83	7.8	778	0	232	71	6	70	0.0	260	56	29	49	1	8	0.0	1.9
120	Bilaspur	Kota	Kanchanpur	82.06	22.37	7.7	1081	0	519	50	2	108	0.2	380	88	38	106	2	18	0.0	5.0
121	Bilaspur	Bilaspur	Bilaspur (Lalkhadan)	82.20	22.05	7.6	306	0	153	21	0	11	0.0	150	44	10	8	2	10	0.0	0.9
122	Janjgir-Champa	Malkharoda	Adbhar	82.08	21.66	7.2	863	0	336	92	20	19	0.0	320	72	34	48	15	17	0.0	1.1
123	Janjgir-Champa	Bamnidih	Afrid	82.72	21.99	7.1	1336	0	488	149	47	71	0.2	600	140	60	41	28	10	0.0	5.8
124	Janjgir-Champa	Akaltara	Akaltara	82.42	22.03	7.5	615	0	214	46	22	69	0.0	285	56	35	18	3	13	0.0	1.0
125	Janjgir-Champa	Shakti	Asunda	82.91	22.05	7.6	417	0	195	21	8	28	0.2	170	52	10	26	0	15	0.0	2.4
126	Janjgir-Champa	Baloda	Baloda	82.48	22.13	7.1	474	0	207	21	9	43	0.0	195	56	13	24	1	11	0.0	0.8
127	Janjgir-Champa	Akaltara	Bamhani	82.45	22.08	7.4	1084	0	427	113	19	56	0.1	410	116	29	80	1	17	0.0	1.2
128	Janjgir-Champa	Bamhnidih	Bamhanidihi	82.72	21.92	7.7	754	0	445	14	2	23	0.4	360	80	38	23	2	11	0.0	1.9
129	Janjgir-Champa	pamgarh	Bhaiso	82.34	21.88	7.3	283	0	98	7	9	53	0.0	150	36	14	2	1	13	0.0	1.3
130	Janjgir-Champa	Nawagarh	Budena	82.62	21.90	7.1	673	0	140	71	22	108	0.0	260	60	26	36	5	10	0.0	2.1
131	Janjgir-Champa	Bamhnidih	Champa	82.66	22.04	7.3	1523	0	464	220	65	17	0.0	640	180	46	55	3	22	0.0	1.0
132	Janjgir-Champa	Dabhra	Dabra	83.08	21.78	7.3	515	0	238	35	17	20	0.2	205	68	8	34	2	10	0.0	1.0
133	Janjgir-Champa	Jaijaipur	Darra Bhata	82.84	21.95	7.4	358	0	153	7	3	56	0.0	155	44	11	19	1	9	0.0	1.4
134	Janjgir-Champa	Shakti	Damau	82.86	22.14	7.4	1095	0	275	163	39	34	0.3	360	108	22	73	4	24	0.0	5.2
135	Janjgir-Champa	Nawagarh	Dhardei	82.53	21.80	7.8	327	0	73	14	5	88	0.0	155	32	18	10	1	6	0.0	3.0

136	Janjgir-Champa	Nawagarh	Dhurkot	82.62	21.93	7.5	821	0	317	85	22	41	0.0	340	76	36	42	7	14	0.0	0.4
137	Janjgir-Champa	Pamgarh	Dongakahrod	82.46	21.85	7.6	532	0	140	64	23	50	0.0	220	68	12	26	1	10	0.0	1.0
138	Janjgir-Champa	Malkharoda	Ghoghari	83.01	21.78	7.3	1085	0	409	121	19	25	0.3	330	76	34	100	3	23	0.0	1.1
139	Janjgir-Champa	Jaijaipur	Hasoud	82.91	21.75	7.5	267	0	49	7	14	75	0.0	120	48	0	7	0	10	0.0	1.2
140	Janjgir-Champa	Jaijaipur	Jaijaipur	82.82	21.83	7.5	597	0	134	71	15	91	0.0	225	40	30	34	15	11	0.0	2.5
141	Janjgir-Champa	Akaltara	Jairamnagar	82.34	22.03	8.0	834	0	390	35	35	31	0.0	340	104	19	40	5	16	0.0	0.9
142	Janjgir-Champa	Nawagarh	Janjgir	82.58	22.01	7.5	464	0	207	21	9	52	0.0	220	56	19	20	1	12	0.0	0.9
143	Janjgir-Champa	Pamgarh	Jewara	82.38	21.85	7.4	1280	0	397	163	20	59	0.0	380	76	46	113	9	19	0.0	4.1
144	Janjgir-Champa	Pamgarh	Jhulanpakariya	82.44	21.92	7.6	1339	0	360	206	23	58	0.3	590	128	65	35	1	21	0.0	1.1
145	Janjgir-Champa	Nawagarh	Kera	82.71	21.75	8.0	549	0	256	28	4	45	0.0	240	72	14	27	0	20	0.0	0.9
146	Janjgir-Champa	Nawagarh	Khartal	82.67	21.80	7.8	550	0	195	43	13	39	0.0	190	32	26	36	3	14	0.0	0.5
147	Janjgir-Champa	Akaltara	Khutighat	82.33	21.94	7.7	1058	0	293	92	49	85	0.0	375	92	35	38	31	24	0.0	1.2
148	Janjgir-Champa	Akaltara	Konargarh	82.34	21.93	8.1	423	0	122	14	1	108	0.2	160	52	7	33	1	10	0.0	2.4
149	Janjgir-Champa	Pamgarh	Kosa	82.34	21.89	7.6	746	0	354	35	8	9	0.1	290	84	19	32	1	16	0.0	1.0
150	Janjgir-Champa	Malkharoda	Lachhmanbhata	83.07	21.82	7.6	850	0	262	92	31	48	0.0	290	80	22	58	4	21	0.0	2.0
151	Janjgir-Champa	Dabhra	Latesara	83.19	21.74	7.8	518	0	153	28	34	72	0.0	250	60	24	7	1	12	0.0	3.8
152	Janjgir-Champa	Nawagarh	Loharsi	82.56	21.77	7.8	410	0	171	14	1	107	0.1	240	60	22	14	2	10	0.0	1.2
153	Janjgir-Champa	Janjgir-champa	Mehandi	82.50	21.83	7.5	1065	0	299	135	16	96	0.0	410	92	43	63	2	24	0.0	1.2
154	Janjgir-Champa	Pamgarh	Meubhata	82.47	21.86	8.0	655	0	189	35	9	84	0.0	185	72	1	51	3	14	0.0	1.3
155	Janjgir-Champa	Janjgir-champa	mudpar	82.66	21.74	7.4	2005	0	525	305	67	8.3	0.3	640	228	17	112	30	25	0.0	0.8
156	Janjgir-Champa	Pamgarh	Mulmula	82.40	21.93	7.6	855	0	305	64	10	83	0.0	350	88	31	39	1	12	0.0	1.9

157	Janjgir-Champa	Akaltara	Nariyara	82.41	21.95	7.4	936	0	372	64	13	106	0.0	370	84	38	66	1	16	0.0	0.8
158	Janjgir-Champa	Jaijaipur	Odekara	82.85	21.81	7.7	504	0	201	35	4	13	0.0	250	52	29	16	0	10	0.0	2.1
159	Janjgir-Champa	Pamgarh	Pamgarh	82.45	21.87	7.5	671	0	171	50	14	101	0.0	275	84	16	24	1	14	0.0	0.8
160	Janjgir-Champa	Shakti	Sakti	82.96	22.02	7.3	1490	0	403	163	43	101	0.4	510	156	29	88	2	11	0.0	2.1
161	Janjgir-Champa	Shakti	Saliabhata	82.85	22.14	7.1	620	0	134	43	56	90	0.1	270	76	19	12	11	13	0.0	3.2
162	Janjgir-Champa	Bamhnidih	Saragaon	82.75	21.98	7.7	678	0	183	92	18	36	0.0	260	12	55	33	3	18	0.0	0.2
163	Janjgir-Champa	Pamgarh	Sasaha	82.38	21.78	7.8	770	0	281	50	45	49	0.0	270	24	50	51	8	17	0.0	1.0
164	Janjgir-Champa	Nawagarh	Semra	82.63	21.86	7.8	356	0	195	14	11	25	0.0	170	40	17	11	1	6	0.0	0.8
165	Janjgir-Champa	Nawagarh	Seorinarayan	82.59	21.73	7.9	428	0	226	21	0	20	0.2	190	32	26	20	0	9	0.0	1.0
166	Janjgir-Champa	Janjgir	shukli	82.61	21.97	8.0	393	0	189	14	4	20	0.4	160	24	24	18	0	7	0.0	1.0
167	Janjgir-Champa	Bamhnidih	Sonthi	82.70	21.98	7.7	1092	0	317	135	45	43	0.0	480	16	106	22	1	20	0.0	3.2
168	Janjgir-Champa	Malkharoda	Sukda	83.09	21.87	7.8	591	0	268	28	33	35	0.0	270	40	41	23	4	14	0.0	0.2
169	Janjgir-Champa	Shakti	Thathari	82.83	21.93	8.0	335	0	153	28	1	15	0.0	150	24	22	13	2	10	0.0	0.3
170	Janjgir-Champa	Pamgarh	vyasnagar	82.45	21.87	8.0	334	0	195	7	0	10	0.0	140	44	7	20	1	9	0.0	0.2
171	Korba	Pali	Banbandha	82.38	22.39	7.9	565	0	244	35	6	30	0.0	270	24	50	5	3	11	0.0	0.2
172	Korba	Pali	Bandhakhar	82.43	22.35	7.9	220	0	61	14	41	12	0.0	90	24	7	8	7	10	0.0	0.2
173	Korba	Kartala	Barpali	82.77	22.20	7.9	858	0	244	85	34	71	0.2	350	36	62	30	7	16	0.0	0.2
174	Korba	Kartala	Batati Junction	82.92	22.35	8.1	670	0	244	28	57	41	0.9	250	36	38	35	1	13	0.0	0.2
175	Korba	Korba	Bhaisma (Anjoripali)	82.77	22.28	7.8	109	0	49	7	14	41	0.0	90	16	12	5	3	6	0.0	0.1
176	Korba	Katghora	Chaitama	82.43	22.43	7.8	111	0	49	7	12	10	0.0	55	12	6	5	3	5	0.0	0.1
177	Korba	Kartala	Champa mode	82.99	22.31	8.0	113	0	37	14	0	10	0.0	55	16	4	2	4	7	0.0	0.2
178	Korba	Korba	chachiya	83.01	22.34	7.7	128	0	37	7	19	11	0.2	50	12	5	5	7	9	0.0	32.0
179	Korba	Kartala	Charmar	83.02	22.24	8.0	821	0	281	57	39	54	0.0	285	12	61	43	15	15	0.0	1.0
180	Korba	Katghora	Chhuri	82.62	22.48	7.4	80	0	37	4	3	3.1	0.0	30	8	2	2	3	4	0.0	0.2

181	Korba	Korba	Dhegurdih manzipara	82.84	22.35	7.3	205	0	37	35	26	12	0.0	80	16	10	11	8	12	0.0	0.2
182	Korba	Pali	Dhaurabhata	82.23	22.18	7.5	514	0	244	43	3	13	0.0	180	36	22	40	8	14	0.0	0.1
183	Korba	Korba	Dumardih	82.79	22.38	7.6	260	0	24	14	36	65	0.0	80	16	10	21	9	6	0.0	0.2
184	Korba	Katghora	Gopalpur	82.65	22.43	7.5	170	0	49	14	15	12	0.0	60	20	2	8	6	8	0.0	0.2
185	KORBA	Pali	Hardibazar	82.55	22.31	7.5	476	0	189	21	33	11	0.0	200	48	19	9	1	9	0.0	0.1
186	Korba	Katghora	Jamchuwa	82.58	22.45	7.7	225	0	61	14	26	18	0.0	80	16	10	12	6	6	0.0	0.2
187	Korba	Pondi	Jatga	82.38	22.69	7.6	146	0	37	14	30	12	0.0	65	12	8	5	10	8	0.0	0.2
188	Korba	Katghora	Jhabar	82.54	22.36	7.5	287	0	61	28	55	13	0.0	115	20	16	12	9	6	0.0	0.2
189	Korba	Kartala	Jogipali	83.00	22.21	7.6	578	0	275	35	2	25	0.0	155	24	23	68	3	11	0.0	0.4
190	Korba	Kartala	Kartala	82.96	22.30	7.9	349	0	122	21	1	52	0.5	130	32	12	25	2	10	0.0	13.0
191	KORBA	Katghora	Kasania	82.54	22.48	7.8	195	0	110	14	0	19	0.0	100	20	12	13	4	9	0.0	0.3
192	Korba	Katghora	Katghora	82.52	22.51	7.7	168	0	73	7	1	13	0.0	70	16	7	5	2	8	0.0	0.2
193	Korba	Pondi	Khodri	82.40	22.60	7.3	444	0	171	21	44	21	0.2	150	24	22	34	1	10	0.0	0.1
194	Korba	korba	kothari naka	82.68	22.13	7.7	504	0	281	14	6	18	0.6	180	24	29	44	0	11	0.0	0.2
195	Korba	Pondi	Lenga	82.26	22.76	7.8	73	0	37	4	7	9.2	0.0	25	6	2	2	5	3	0.0	0.1
196	Korba	Pondi	Nagai	82.38	22.67	7.6	248	0	98	7	26	12	0.0	90	20	10	11	10	9	0.0	0.1
197	Korba	Korba	Naktikhar	82.77	22.34	7.7	315	0	98	43	2	11	0.0	145	28	18	3	2	8	0.0	0.3
198	Korba	Katghora	Naraibodh	82.62	22.33	7.6	296	0	49	14	46	10	0.0	180	28	26	10	7	6	0.0	0.1
199	Korba	Pali	Nonbirra	82.46	22.34	7.9	247	0	159	7	1	10	0.5	250	28	43	6	5	5	0.0	0.2
200	Korba	Kartala	Nonbirra-4	82.86	22.27	8.0	263	0	171	14	0	12	0.2	130	28	14	18	1	9	0.0	0.1
201	Korba	Pali	Nunera	82.43	22.36	8.0	235	0	73	28	0	22	0.0	95	16	13	8	9	5	0.0	0.1
202	Korba	Pali	Pali	82.32	22.37	7.4	964	0	317	85	10	73	0.5	350	128	7	52	1	19	0.0	0.3
203	Korba	Pondi	Pasan	82.20	22.84	7.7	760	0	207	85	25	60	0.4	290	36	48	36	3	18	0.0	0.2
204	Korba	Korba	Pasarkhet	82.96	22.36	7.7	348	0	122	21	21	29	1.0	100	12	17	35	1	9	0.0	0.2
205	Korba	Kartala	Purena	82.72	22.18	7.4	197	0	37	21	21	20	0.0	65	20	4	10	7	8	0.0	0.3
206	Korba	Katghora	Rajkamma	82.48	22.45	7.6	234	0	79	14	26	20	0.0	105	24	11	5	9	9	0.0	0.0
207	Korba	Pondi	Rawa	82.39	22.63	7.3	279	0	73	28	24	28	0.0	120	12	22	7	13	10	0.0	2.0
208	Korba	Korba	Rishdi	82.76	22.37	7.6	139	0	37	7	1	31	0.0	30	8	2	19	2	5	0.0	0.1
209	Korba	Kartala	Sakdukala	82.88	22.28	7.5	271	0	85	28	10	25	0.0	75	20	6	32	3	9	0.0	0.3
210	Korba	Kartala	Salihabhata	82.83	22.27	7.4	282	0	73	35	25	19	0.0	125	44	4	11	3	8	0.0	0.0
211	Korba	Korba	Salora	82.60	22.49	7.7	564	0	220	50	1	40	0.3	200	16	38	39	5	11	0.0	0.0

212	Korba	Katghora	Sindhiya	82.50	22.50	7.6	159	0	61	7	7	19	0.0	60	16	5	13	1	6	0.0	0.0
213	Korba	Katghora	Suttara	82.51	22.47	7.9	451	0	98	57	10	57	0.0	150	40	12	34	1	10	0.0	0.0
214	Korba	Kartala	Tilkeja	82.76	22.23	7.8	649	0	183	57	14	67	0.5	210	12	43	41	11	16	0.0	0.6
215	Korba	Pondi	Tuman	82.42	22.58	8.0	72	0	24	4	3	8.6	0.0	20	4	2	4	4	6	0.0	4.0
216	Korba	Kartala	Tuman	82.79	22.20	7.8	348	0	171	14	15	17	0.0	165	28	23	10	2	10	0.0	0.0
217	Korba	Korba	Urga.1	82.73	22.28	7.8	796	0	281	57	40	51	0.0	270	56	31	55	5	22	0.0	0.0
218	Korba	Kartala	Sargundia	82.73	22.23	7.4	1903	0	476	262	59	100	0.0	690	140	82	101	3	26	0.0	0.0
219	Korba	Pali	Dumarkochhar	82.36	22.39	7.7	722	0	354	50	2	31	0.0	280	32	48	50	5	20	0.0	0.0
220	Korba	Pali	Makhanpur	82.37	22.39	8.0	914	0	500	35	4	31	0.8	330	24	65	64	23	21	0.0	4.0
221	Korba	Pali	Rahadih	82.32	22.36	8.1	237	0	110	14	1	19	0.0	110	12	19	7	4	9	0.0	3.0
222	Korba	Pali	Baksahi	82.29	22.32	7.6	87	0	18	7	15	7.2	0.0	35	6	5	5	0	5	0.0	6.0
223	Korba	Pali	Mungadih	82.31	22.34	7.5	1071	0	281	149	1	64	0.0	340	52	50	74	5	22	0.0	0.0
224	Korba	korba	Bahanpath	82.60	22.32	7.7	245	0	37	35	39	19	0.0	80	12	12	16	11	9	0.0	0.0
225	Korba	Korba	Barpali(Junadhi)	82.73	22.21	7.8	361	0	110	21	39	31	0.0	130	24	17	10	24	10	0.0	0.0
226	Korba	Korba	Basin	83.04	22.43	8.0	821	0	268	64	57	67	0.0	270	60	29	56	23	19	0.0	0.3
227	Korba	Katghora	Gajra	82.62	22.40	8.0	362	0	195	21	8	22	0.0	170	32	22	13	14	9	0.0	5.0
228	Korba	Korba	Kerwa	82.88	22.37	8.0	223	0	104	7	2	17	0.0	100	24	10	4	3	7	0.0	6.0
229	Korba	Korba	Kolga	82.99	22.40	7.7	371	0	207	21	2	22	0.3	200	36	26	10	3	8	0.0	1.0
230	Korba	Korba	Korba	82.43	22.20	7.8	518	0	275	14	11	20	0.0	190	32	26	34	11	10	0.0	4.0
231	Korba	Kartala	Kudmura	83.08	22.32	7.8	588	0	195	50	11	39	0.0	140	16	24	16	81	10	0.0	3.0
232	Balod	Gunderdehi	chichalgondi	81.26	20.95	7.7	810	0	238	81	27	65.99	0.2	235	64	18	93	3	12	0.0	0.0
233	Balod	Durg	Danganiya	81.29	21.01	7.6	1574	0	238	273	19	91.22	0.6	385	74	48	171	2	10	0.0	0.0
234	Balod	Sanjari Balod	Gujara	81.13	20.67	7.5	887	0	195	95	46	86.72	0.2	340	58	47	46	1	16	0.0	0.0
235	balod	Doundi-lohara	Jeortala	80.98	20.98	7.4	604	0	128	84	1	51.46	0.1	240	62	20	25	0	8	0.0	0.0
236	Balod	Balod	Jagtara	81.13	20.74	7.5	399	0	195	14	1	20.54	0.2	180	50	13	6	2	11	0.0	0.0
237	Balod	Gunderdehi	Kalangpur	81.34	20.91	7.4	516	0	207	25	2	39.19	0.4	210	38	28	22	1	10	0.0	0.0
238	Balod	Balod	Talgaon	81.29	20.61	7.4	312	0	134	18	1	21.39	0.2	140	34	13	6	2	11	0.0	0.0
239	Balod	Gunderdehi	Machod	81.32	20.95	7.7	632	0	201	74	13	39.05	0.7	105	20	13	108	5	7	0.0	0.0
240	Balod	Gunderdehi	Jhafra	81.40	20.94	7.6	630	0	256	32	0	44.84	0.1	205	40	25	38	1	11	0.0	0.0
241	Bemetara	Bemetara	Baba Mohtara	81.59	21.72	7.6	601	0	189	18	0	71.01	0.2	260	36	41	16	1	9	0.0	0.0
242	Bemetara	Bemetara	Bahera	81.48	21.76	7.4	2120	0	250	133	67	467.1	1.0	810	196	77	104	3	12	0.0	0.0

243	Bemetara	Bemetara	Baiji	81.51	21.76	7.4	2150	0	220	126	67	526	0.1	855	192	90	104	3	13	0.0	0.0
244	Bemetara	Bemetara	Bhurki	81.22	21.71	7.5	825	0	220	56	22	105.3	0.8	355	70	43	33	3	8	0.0	0.0
245	Bemetara	Bela	Bijabhat	81.55	21.66	7.5	569	0	220	21	0	75.59	0.2	265	50	34	17	1	9	0.0	0.1
246	Bemetara	Bemetara	Chilphi	81.47	21.88	7.2	2260	0	805	322	66	23.76	0.1	950	280	60	104	3	12	0.0	0.0
247	Bemetara	Bemetara	Dunra	81.49	21.69	7.4	826	0	189	88	23	106.4	0.6	360	64	48	33	3	7	0.0	0.0
248	Bemetara	Bemetara	Jewari	81.33	21.75	7.4	782	0	287	49	22	54.77	0.8	330	68	38	20	0	21	0.0	0.0
249	Bemetara	Saja	Jata	81.31	21.67	7.4	558	0	250	18	15	37.03	0.2	240	42	32	9	1	9	0.0	0.0
250	Bemetara	Bemetara	Khilora	81.53	21.68	7.2	2260	0	256	161	67	432.8	0.7	815	274	31	103	3	12	0.0	0.0
251	Bemetara	saja	Mouha bhata	81.26	21.60	7.5	441	0	134	39	23	62.39	0.5	200	44	22	17	1	11	0.0	0.0
252	Bemetara	Saja	Ninwa	81.46	21.68	7.7	855	0	195	112	23	103.4	0.3	385	70	50	30	3	8	0.0	0.0
253	Bemetara	Berla	Parpoda	81.21	21.59	7.8	408	0	134	35	23	21.49	0.0	205	44	23	16	1	12	0.0	0.0
254	Bemetara	Bemetara	Pendri	81.62	21.71	7.7	703	0	220	74	3	100.6	0.4	300	58	37	34	1	10	0.0	0.0
255	Bemetara	Saja	Piparia	81.23	21.70	7.6	845	0	220	109	0	105.2	0.0	350	76	38	42	2	9	0.0	0.0
256	Bemetara	Bemetara	Fari	81.33	21.63	8.0	402	0	153	21	1	55.67	0.2	180	30	25	16	1	10	0.0	0.5
257	Bemetara	Saja	Rakhi (Joba)	81.30	21.49	7.6	863	0	220	112	25	47.85	0.4	370	42	64	21	1	8	0.0	0.0
258	Bemetara	Berla	Sondh new	81.44	21.54	7.7	1018	0	336	109	14	57.23	0.2	405	98	38	62	2	9	0.0	0.0
259	Bemetara	Saja	Suwartala	81.24	21.67	7.7	912	0	293	74	0	106.3	0.2	385	72	49	44	2	10	0.0	0.0
260	Bemetara	Berla	Rampur (Bhand)	81.50	21.52	8.1	473	0	171	25	0	54.3	0.0	210	42	25	16	1	9	0.0	0.0
261	Bemetra	Saja	Beeja	81.40	21.67	7.8	766	0	159	77	22	104.9	0.1	315	64	37	32	3	7	0.0	0.0
262	Bemetra	Saja	Kanhera	81.46	21.83	7.6	2280	0	439	235	70	248.9	0.2	865	184	97	105	3	12	0.0	0.0
263	Durg	Doundi	Achholi	81.10	20.54	7.8	608	0	104	67	62	28.9	0.1	250	58	25	15	1	11	0.0	0.0
264	Durg	Dhamdha	Ahiwara	81.42	21.36	7.7	777	0	104	123	25	62.37	0.0	300	88	19	34	4	12	0.0	0.0
265	Durg	Durg	Anda	81.28	21.07	7.8	792	0	220	74	25	105.6	0.0	375	82	41	31	3	8	0.0	0.0
266	Durg	Bemetara	Andhiyarkhor	81.60	21.84	8.0	550	0	189	53	0	62.87	0.6	165	40	16	59	3	14	0.0	0.0
267	Durg	Gunderdehi	Arjunda	81.21	20.94	8.0	371	0	165	28	1	20.14	0.2	170	32	22	21	1	10	0.0	0.0
268	Durg	Gurur	Armari kalan	81.40	20.83	7.7	979	0	220	102	70	60.45	0.1	305	50	43	50	14	9	0.0	0.0
269	Durg	Ahrwar	Arasnara	81.34	21.31	8.0	442	0	232	28	1	16.11	0.0	150	38	13	44	0	10	0.0	0.3
270	Durg	Bemetara	Ashoga	81.55	21.96	7.7	831	0	214	98	64	41.67	0.3	285	70	26	54	1	38	0.0	0.0
271	Durg	Sanjari Balod	Baklitola	81.09	20.70	7.9	367	0	153	21	2	27	0.3	150	40	12	20	3	6	0.0	0.0
272	Durg	Sanjari Balod	Balod	81.20	20.73	7.7	412	0	116	28	0	91.85	0.0	190	52	14	14	4	6	0.0	0.0
273	Durg	Dondi Lohara	Batera	81.06	20.78	7.7	366	0	128	18	0	70.48	0.1	165	30	22	17	1	7	0.0	0.0

274	Durg	Bemetara	Bemetara	81.54	21.72	7.7	429	0	207	18	0	30.33	0.4	185	32	25	21	2	14	0.0	0.0
275	Durg	Dondi Lohara	Bhalukonha	81.05	20.74	7.6	430	0	110	67	5	29.99	0.1	170	42	16	10	11	8	0.0	0.0
276	Durg	Dondi Lohara	Bharnabhat	81.00	20.89	7.5	822	0	171	95	31	72.26	0.0	235	64	18	75	6	5	0.0	0.0
277	Durg	Durg	Bhilai	81.41	21.21	7.6	696	0	165	74	3	106.8	0.2	280	48	38	38	2	7	0.0	0.0
278	Durg	Bemetara	Bitkuli	81.67	21.78	7.6	863	0	226	74	13	105.3	0.1	280	48	38	68	2	8	0.0	0.0
279	Durg	Saja	Bortara	81.22	21.64	7.6	444	0	171	39	3	45.45	0.1	220	50	23	9	2	9	0.0	0.0
280	Durg	Patan	Darbarmukhli	21.00	81.49	7.5	952	0	220	98	15	101.6	0.2	335	82	31	69	2	7	0.0	0.0
281	Durg	Dhamdha	Dargaon	81.39	21.49	7.8	394	0	146	32	1	34.18	0.0	185	40	20	12	2	7	0.0	0.0
282	Durg	Sanjari Balod	Delli Rajhara	81.08	20.59	7.7	443	0	189	28	10	41.53	0.0	225	68	13	10	2	5	0.0	0.0
283	Durg	Patan	Dewada	81.50	21.07	7.4	860	0	98	119	63	80.26	0.2	290	68	29	61	7	4	0.0	0.0
284	Durg	dhamda	Dhaba	81.50	21.28	7.7	560	0	122	53	9	90.53	0.3	210	52	19	39	12	14	0.0	0.0
285	Durg	Dhamda	Dhamda	81.33	21.46	7.6	508	0	128	49	12	76.35	0.2	185	38	22	43	5	7	0.0	0.5
286	Durg	Durg	Durg	81.28	21.19	7.6	427	0	92	49	40	57.97	0.0	60	22	1	74	2	9	0.0	0.0
287	Durg	Patan	Funda	81.48	21.08	7.5	430	0	146	39	24	38.84	0.2	205	42	24	19	2	8	0.0	0.0
288	Durg	Saja	Gatapar	81.21	21.57	7.6	727	0	220	67	69	40.83	0.1	315	88	23	18	1	8	0.0	0.0
289	Durg	Dhamdha	Girola	81.44	21.39	7.5	538	0	171	49	13	67.53	0.0	220	58	18	23	1	8	0.0	0.0
290	Durg	Saja	Jamgaon	81.29	21.58	7.5	556	0	195	46	3	55.79	0.2	235	70	14	25	1	8	0.0	0.0
291	Durg	Durg	Janjgiri	81.31	21.09	7.4	2130	0	439	217	74	257.3	0.0	871	184.2	99	117	3	7	0.0	0.0
292	Durg	Berla	Jeora	81.62	21.64	7.5	872	0	140	105	74	84.21	0.1	295	36	49	55	15	9	0.0	0.0
293	Durg	Durg	Jeora-sirsa	81.31	21.26	7.6	750	0	177	91	20	52.49	0.1	250	70	18	52	2	8	0.0	0.0
294	Durg	Durg	Kachandur	81.30	20.98	7.6	516	0	128	81	20	58.48	0.0	200	68	7	31	6	7	0.0	0.0
295	Durg	Patan	Kashi	81.50	21.04	7.4	1001	0	220	91	73	86.14	0.1	360	112	19	61	17	14	0.0	0.0
296	Durg	Patan	kharra	81.55	20.98	7.5	699	0	250	70	24	48.13	0.1	340	72	38	19	1	11	0.0	0.0
297	Durg	Dhamdha	Kodiya	81.35	21.36	7.2	662	0	195	42	24	68.44	0.0	245	48	30	28	2	7	0.0	0.0
298	Durg	Dhamdha	Litia	81.21	21.35	7.7	501	0	134	35	49	52.74	0.0	165	34	19	28	5	6	0.0	0.0
299	Durg	Doundi Lohara	Lohara	81.05	20.79	7.4	862	0	195	77	55	75.22	0.2	245	52	28	63	6	6	0.0	7.0
300	Durg	Patan	Motipur	81.55	21.17	7.4	866	0	232	60	22	106.9	0.0	330	90	25	38	3	7	0.0	0.0
301	Durg	Dhamda	Murmunda	81.46	21.31	7.5	813	0	220	56	69	73.97	0.0	320	48	48	22	7	9	0.0	0.0
302	Durg	Bemetara	Nawagarh.1	81.61	21.91	7.8	352	0	171	42	3	42.46	0.1	175	62	5	33	1	7	0.0	0.0
303	Durg	Durg	Nagpura	81.23	21.25	7.1	992	0	238	49	74	85.36	0.0	240	72	14	80	21	5	0.0	0.0
304	Durg	Patan	Patan	81.55	21.03	7.5	562	0	159	74	31	52.58	0.1	255	56	28	24	1	9	0.0	0.0

305	Durg	Dhamdha	Pathariya	81.36	21.40	7.6	2140	0	110	46	75	602.9	0.2	495	96	61	145	3	8	0.0	0.0
306	Durg	Bemetara	Sagona	81.47	21.81	7.8	546	0	226	49	14	35.43	0.1	265	30	46	7	1	11	0.0	0.0
307	Durg	Dondi Lohara	Sambalpur	81.06	20.82	7.9	627	0	195	77	0	78.21	0.4	265	44	37	53	4	7	0.0	0.0
308	Durg	Gunderdehi	Sankri	81.26	20.82	7.2	618	0	159	81	0	45.1	0.0	100	20	12	76	4	8	0.0	0.0
309	Durg	Durg	Selud	81.42	21.10	7.4	378	0	116	4	18	42.2	0.1	115	34	7	16	1	8	0.0	0.0
310	Durg	Gunderdehi	Sikosa	81.29	20.88	7.5	295	0	55	28	3	69.23	0.0	100	38	1	30	1	9	0.0	0.0
311	Durg	Dhamdha	Tarkori	81.45	21.50	7.8	363	0	73	67	0	41.81	0.1	130	28	14	25	1	13	0.0	0.0
312	Durg	Patan	Tarra	81.51	21.12	8.0	561	0	122	46	0	72.21	0.5	150	32	17	52	4	9	0.0	0.0
313	Durg	Sanjari Balod	Umaradah	81.25	20.74	7.7	760	0	140	88	69	51.08	0.0	280	74	23	38	1	8	0.0	0.0
314	Durg	Durg	Utai (Adarshnagar)	81.39	21.12	7.6	421	0	146	35	30	33.01	0.0	190	42	20	20	2	10	0.0	0.0
315	Durg	Patan	Zhit	81.57	21.13	7.5	961	0	220	109	15	85.39	0.0	350	82	35	61	2	13	0.0	0.0
316	Durg	Dhamdha	Mohrenga	81.44	21.48	7.6	924	0	177	144	32	69.27	0.0	345	96	25	39	2	27	0.0	0.0
317	Durg	Patan	Karela	81.49	20.94	7.4	1635	0	390	172	66	103.9	0.0	555	146	46	65	60	12	0.0	0.0
318	Durg	Patan	Kumhli	81.44	20.98	7.8	377	0	128	21	0	66.61	0.1	170	42	16	13	1	13	0.0	0.0
319	Durg	Berla	Kharra	81.55	21.55	7.6	780	0	116	123	26	67.48	0.1	305	98	14	23	1	16	0.0	0.0
320	Durg	Dhamdha	Birjhapur	81.30	21.47	8.1	530	0	275	25	10	34.45	0.1	135	24	18	76	1	11	0.0	0.0
321	Kawardha	Bodla	Banjari	81.11	22.15	7.6	992	0	342	77	52	69.12	0.2	325	64	40	84	4	14	0.0	0.0
322	Kawardha	Sahaspur lohara	BijaBairangi	81.17	21.74	8.0	894	0	262	81	54	67.88	0.2	275	54	34	85	4	11	0.0	0.0
323	Kawardha	Sahaspur lohara	Biroda	81.13	21.77	7.9	539	0	305	25	10	31.03	0.0	145	20	23	78	1	11	0.0	0.0
324	Kawardha	Sahaspur lohara	Chhuiha	81.24	21.81	8.1	522	0	268	28	10	32.47	0.1	130	26	16	78	1	10	0.0	0.0
325	Kawardha	Bolda	Chilpi	81.06	22.17	7.9	417	0	189	25	25	32.73	0.0	190	36	24	27	0	9	0.0	0.0
326	Kawardha	Kawardha	Danganiya	81.20	21.96	7.6	570	0	311	28	9	31.23	0.1	155	24	23	76	1	11	0.0	0.0
327	Kawardha	Kawardha	Kawardha	81.24	22.01	8.1	524	0	281	25	9	31.74	0.1	125	24	16	75	1	10	0.0	0.0
328	Kawardha	Kawardha	Kharoda Kalan	81.32	22.18	8.1	525	0	238	28	9	31.65	0.1	115	16	18	65	1	9	0.0	0.0
329	Kawardha	Kawardha	Mudiyapara	81.23	22.15	8.1	522	0	250	28	9	31.6	0.0	125	16	20	76	1	10	0.0	0.0
330	Kawardha	Kawardha	Rajnanwagaon	81.21	22.07	8.1	994	0	342	119	8	42.76	0.1	215	30	34	126	15	10	0.0	0.0
331	Kawardha	Kawardha	Rengakharkhurd	81.22	22.05	8.1	526	0	244	18	7	37.63	0.1	150	20	24	46	1	25	0.0	0.0
332	Kawardha	Sahaspur lohara	Sahaspur lohara.1	81.13	21.83	8.0	592	0	104	77	20	58.1	0.0	205	42	24	36	5	12	0.0	0.0
333	Rajnandgaon	Rajnandgaon	Anjora	81.21	21.15	8.0	478	0	165	39	14	33.25	0.1	195	40	23	30	1	10	0.0	0.0

334	Rajnandgaon	Khairagarh	Badaitola	80.98	21.35	7.7	703	0	98	105	63	44.83	0.1	295	80	23	16	2	10	0.0	0.0
335	Rajnandgaon	Rajnandgaon	Bhaistara (Bhatapara)	81.03	21.32	7.7	801	0	189	119	10	52.42	0.0	305	62	36	53	2	13	0.0	0.0
336	Rajnandgaon	Rajnandgaon	Bori	81.06	21.14	8.0	175	0	67	11	1	29.99	0.1	80	26	4	12	1	10	0.0	0.0
337	Rajnandgaon	Chhuriya	Chirchari	80.59	21.08	8.3	498	0	177	42	19	51.77	0.1	185	32	25	42	6	22	0.0	0.0
338	Rajnandgaon	Khairagarh	Dhaneli	81.01	21.41	8.4	1406	6	311	175	81	84.95	0.5	435	44	78	124	16	11	0.0	0.0
339	Rajnandgaon	Dongargarh	Dhara	80.86	21.26	8.1	741	0	201	56	65	49.73	0.0	180	42	18	52	50	10	0.0	0.0
340	Rajnandgaon	Dongargaon	Dongargaon.1	80.86	20.97	7.9	557	0	146	39	71	50.74	0.2	210	58	16	39	2	11	0.0	0.0
341	Rajnandgaon	Dongargarh	Dongargarh	80.76	21.18	7.9	413	0	146	35	24	37.28	0.0	165	42	14	19	2	10	0.0	0.0
342	Rajnandgaon	Chhuikadhan	Gandaipandaria	81.10	21.66	7.8	320	0	85	35	28	34.88	0.1	150	36	14	22	0	9	0.0	0.0
343	Rajnandgaon	Dongargarh	Ghortalab	80.53	21.12	7.9	621	0	226	49	5	40.41	0.3	195	24	32	68	0	6	0.0	0.0
344	Rajnandgaon	Dongargarh	Govindpur	80.70	21.10	7.5	739	0	98	112	71	66.36	0.0	340	88	29	21	7	10	0.0	0.0
345	Rajnandgaon	Khairagarh	Jalbanda	81.15	21.36	7.3	1676	0	220	273	65	173.3	0.2	660	134	78	69	2	22	0.0	0.0
346	Rajnandgaon	Rajnandgaon	Joratarai	81.19	21.19	7.6	1003	0	146	130	65	77.7	0.1	355	70	43	50	1	10	0.0	0.0
347	Rajnandgaon	Dongargarh	kalkosa	80.79	21.21	8.1	559	0	171	39	70	52.87	0.1	210	52	19	40	2	7	0.0	0.0
348	Rajnandgaon	Dongargarh	Kalyanpur	80.71	21.15	8.1	324	0	146	21	0	28.41	0.2	125	30	12	30	1	13	0.0	0.0
349	Rajnandgaon	Khairagarh	Khairagarh	80.97	21.43	7.8	317	0	67	35	28	33.75	0.1	135	38	10	21	0	23	0.0	0.0
350	Rajnandgaon	Dongargarh	Lal bhadurnagar	80.69	21.10	7.5	388	0	134	25	23	27.27	0.1	190	44	19	15	4	10	0.0	0.0
351	Rajnandgaon	Khairagarh	Madrakuhi	81.07	21.39	7.2	671	0	342	14	4	30.98	0.1	165	24	25	79	2	10	0.0	0.0
352	Rajnandgaon	Rajnandgaon	Maladabri	81.03	21.34	7.5	915	0	287	67	45	77.93	0.3	285	32	49	83	1	12	0.0	0.0
353	Rajnandgaon	Rajnandgaon	Murhipar	81.16	21.19	7.5	433	0	140	35	26	36.23	0.0	205	40	25	17	2	13	0.0	0.0
354	Rajnandgaon	Chhuikadhan	Narmada	81.07	21.62	7.6	1186	0	177	165	71	90.23	0.0	505	94	65	39	2	12	0.0	0.0
355	Rajnandgaon	Rajnandgaon	Nawagaon	81.15	21.17	7.6	1108	0	159	154	63	76.38	0.1	325	72	35	61	9	11	0.0	0.0
356	Rajnandgaon	Rajnandgaon	Patewa	81.10	21.34	7.8	524	0	159	60	20	47.51	0.0	230	50	25	16	2	10	0.0	0.0
357	Rajnandgaon	Rajnandgaon	Rajnandgaon	81.04	21.09	7.8	566	0	226	49	6	37.97	0.4	185	32	25	57	0	15	0.0	0.0
358	Rajnandgaon	Dongargarh	Ramatola	80.71	21.13	7.9	180	0	85	14	0	27.65	0.1	85	18	10	11	1	17	0.0	0.0
359	Rajnandgaon	Dongargarh	Ranitalab	80.64	21.08	7.4	1678	0	323	235	76	100.3	0.2	615	138	65	81	11	12	0.0	0.0
360	Rajnandgaon	Rajnandgaon	Ranitarai	81.05	21.00	7.7	854	0	177	116	27	67.6	0.1	365	68	47	28	2	11	0.0	0.0
361	Rajnandgaon	Rajnandgaon	Reevadih	80.99	21.09	7.7	505	0	268	32	0	31.26	0.3	230	50	25	46	1	24	0.0	0.0
362	Rajnandgaon	Dongargarh	Reevagaon	80.83	21.22	7.8	786	0	146	112	26	67.83	0.0	290	48	41	32	2	11	0.0	0.0
363	Rajnandgaon	Rajnandgaon	Revagahan	81.01	21.12	7.6	288	0	92	14	1	30.84	0.2	120	26	13	11	1	17	0.0	0.0

364	Rajnandgaon	Chhuriya	SadakBanjari	80.45	21.06	8.0	908	0	128	154	17	72.53	0.2	320	46	49	77	1	12	0.0	0.0
365	Rajnandgaon	Dongargarh	Sahaspur Dalli	80.89	21.36	7.7	1198	0	281	168	38	90.26	0.0	420	86	49	62	1	13	0.0	0.0
366	Rajnandgaon	Rajnandgaon	Singhola	81.04	21.03	7.7	752	0	195	77	52	79.1	0.0	245	26	43	53	2	12	0.0	0.0
367	Rajnandgaon	Rajnandgaon	Somni	81.15	21.12	7.8	2019	0	378	224	63	234.7	0.2	500	124	46	110	78	13	0.0	0.0
368	Rajnandgaon	Rajnandgaon	Sundara	81.09	21.11	7.9	930	0	207	112	18	76.38	0.0	305	72	30	73	1	13	0.0	0.0
369	Rajnandgaon	Khairagarh	Talagaon	80.82	21.30	8.0	912	0	262	81	31	55.36	0.1	255	54	29	91	2	12	0.0	0.0
370	Rajnandgaon	Rajnandgaon	Uperwah	81.14	21.24	7.7	896	0	146	168	20	47.15	0.0	420	64	62	17	2	11	0.0	0.0
371	Rajnandgaon	Dongargarh	Uraidabritola	80.74	21.08	7.8	755	0	256	74	13	64.09	0.6	190	52	14	110	3	24	0.0	0.0
372	Rajnandgaon	Dongargarh	Konhari	80.85	21.00	7.8	133	0	24	7	0	24.77	0.0	50	16	2	4	1	7	0.0	0.0
373	Rajnandgaon	Dongargarh	Bija Bhata	80.83	21.02	7.1	241	0	37	11	15	51.67	0.1	85	28	4	8	2	14	0.0	0.0
374	Rajnangaon	Dongargaon	Devkatta	80.80	21.23	8.1	1026	0	262	77	64	81.79	0.2	365	82	38	54	1	15	0.0	0.0
375	Ranandgaon	Chhuriya	Chichola	80.69	21.07	7.8	653	0	195	63	1	35.5	0.1	155	30	19	80	0	21	0.0	0.0
376	Jashpur	Pathalgaon	Amatolli	83.74	22.47	7.9	603	0	244	42	19	31.2	0.5	235	52	25	19	2	20	0.0	1.5
377	Jashpur	Farsabahar	Amdiha	83.96	22.47	7.0	781	0	177	95	40	48.4	0.5	230	62	18	45	1	28	0.0	7.4
378	Jashpur	Dharmajaigarh	Amgaon	83.21	22.40	7.6	575	0	189	60	39	11	0.3	205	40	25	26	1	13	0.0	1.5
379	Jashpur	Bagicha	Bagicha	83.65	22.98	7.6	47	0	12	4	4	7.1	0.2	20	4	2	1	1	5	0.0	1.5
380	Jashpur	Jashpur	Balachhappar	84.15	22.85	7.7	411	0	159	32	19	10.9	0.4	170	50	11	11	2	25	0.0	2.1
381	Jashpur	Kunkuri	Bandarchuwa	83.86	22.69	7.8	186	0	79	14	7	0	0.8	75	18	7	8	3	22	0.0	1.3
382	Jashpur	Kunkuri	Bangaon 1	83.86	22.54	7.1	332	0	116	32	11	21.5	0.8	135	38	10	11	2	23	0.0	1.2
383	Jashpur	Pathalgaon	Bangaon	83.68	22.60	7.8	147	0	55	11	4	3	0.6	50	18	1	6	1	25	0.0	1.3
384	Jashpur	Kasavel	Bataikela	83.73	22.73	7.6	490	0	128	49	25	49.1	0.7	195	52	16	14	6	20	0.2	1.1
385	Jashpur	Kasavel	Bewrapali	83.75	22.91	7.5	481	0	79	74	28	29.9	0.2	170	44	14	17	23	6	0.0	1.2
386	Jashpur	Duldula	Binjapur	84.03	22.77	7.8	152	0	67	11	4	0	0.2	55	14	5	6	2	23	0.0	2.4
387	Jashpur	Kunkuri	Chhapartoli	83.92	22.81	6.5	128	0	18	18	3	22.2	0.3	40	12	2	8	4	12	0.0	1.7
388	Jashpur	Jashpur	Chiraidand	84.08	22.78	7.8	185	0	73	18	6	0	0.6	65	22	2	8	3	23	0.0	14.1
389	Jashpur	Kasvel	Dandajor	83.78	22.64	7.3	152	0	73	7	3	0	0.3	55	12	6	6	2	22	0.0	1.4
390	Jashpur	Kunkuri	Dhodidand	83.96	22.78	7.6	329	0	122	28	10	21.6	0.3	130	38	8	11	2	22	0.0	1.7
391	Jashpur	Kasavel	Dokra	83.87	22.62	6.8	704	0	98	84	27	63.6	1.3	255	76	16	17	3	25	0.0	19.8
392	Jashpur	Bagicha	Durgapara	83.55	23.03	6.9	223	0	122	7	6	0	0.4	85	20	8	11	1	25	0.0	1.1
393	Jashpur	Farsabahar	Farsabahar	83.86	22.51	7.9	327	0	122	28	10	21.7	0.6	150	24	22	11	2	23	0.0	1.1
394	Jashpur	Kunkuri	Farsakanhi	83.90	22.70	7.6	53	0	6	11	3	0	1.1	25	6	2	1	2	10	0.0	0.0

395	Jashpur	Kasavel	Garaibandh	83.54	22.58	7.4	154	0	67	11	3	0	0.7	55	14	5	6	2	23	0.0	1.2
396	Jashpur	Kunkuri	Ghatmunda	83.93	22.79	7.8	40	0	6	7	3	0	0.3	15	2	2	0	4	11	0.0	0.0
397	Jashpur	Jashpur	Jakba	84.21	22.91	7.5	349	0	43	70	4	29.3	0.4	95	22	10	23	1	7	0.0	0.0
398	Jashpur	Jashpur	Jashpurnagar	84.14	22.88	7.3	296	0	67	21	30	26.3	0.9	90	24	7	20	1	17	0.0	1.3
399	Jashpur	Farsabahar	Jharmunda	83.87	22.42	7.6	546	0	183	28	28	19.8	1.2	210	48	22	17	3	33	0.0	2.8
400	Jashpur	Pathalgaon	Kachhar	83.54	22.56	7.6	217	0	128	4	5	0	0.2	85	24	6	11	2	26	0.0	0.2
401	Jashpur	Farsabahar	Kandaibahar	83.90	22.50	7.5	244	0	49	21	41	9.1	1.9	80	24	5	15	1	27	0.0	10.3
402	Jashpur	Kunkuri	Kandora	83.97	22.76	7.1	492	0	128	42	25	47.2	0.3	175	50	12	15	6	20	0.0	0.2
403	Jashpur	Bagicha	Kanpoda	83.83	22.88	7.5	493	0	104	74	24	24.3	1.0	180	62	6	14	2	26	0.0	0.3
404	Jashpur	Kasavel	Kansabel	83.74	22.64	7.8	366	0	122	49	10	10.6	0.4	145	44	8	11	2	24	0.0	1.7
405	Jashpur	Duldula	Kersai	83.96	22.60	7.6	293	0	67	28	26	19.4	0.3	110	38	4	20	1	19	0.0	14.1
406	Jashpur	Farsabahar	Khutsera	83.83	22.41	6.8	53.7	0	6	7	10	2.8	0.3	20	4	2	1	2	4	0.0	3.1
407	Jashpur	Bagicha	Kondapara	83.75	23.14	7.0	290	0	61	28	26	18.9	0.6	75	20	6	20	1	11	0.0	1.8
408	Jashpur	Pathalgaon	Kotba	83.74	22.43	7.3	370	0	122	46	10	10.7	1.1	155	36	16	11	2	24	0.0	1.9
409	Jashpur	Duldula	Kunjara	83.96	22.67	7.1	355	0	24	63	14	35.3	0.5	110	32	7	22	2	19	0.0	10.5
410	Jashpur	Kunkuri	Kunkuri1	83.95	22.74	7.3	186	0	67	18	6	0	0.6	70	18	6	8	3	23	0.0	2.9
411	Jashpur	Jashpur	lamdund	83.69	22.63	6.9	775	0	189	28	51	47.8	0.2	200	54	16	46	2	28	0.0	8.9
412	Jashpur	Farsabahar	Lavakera	83.98	22.38	7.0	85	0	18	7	4	1.08	0.4	15	4	1	7	1	32	0.0	1.2
413	Jashpur	Jashpur	Loro (Bagicha)	84.15	22.75	7.5	546	0	195	60	30	19.5	0.2	235	52	25	16	3	35	0.0	5.4
414	Jashpur	Pathalgaon	Ludeg	83.60	22.55	7.5	146	0	67	7	4	2.2	1.8	55	12	6	6	1	25	0.0	1.6
415	Jashpur	Kansabel	Mahuadih	83.67	22.78	7.7	185	0	73	11	3	8.9	0.5	70	22	4	11	0	35	0.0	1.9
416	Jashpur	Bagicha	Maini	83.54	22.98	7.9	147	0	73	7	2	5.5	0.2	50	20	0	8	2	32	0.0	0.1
417	Jashpur	Kasavel	Muskuti	83.68	22.86	7.5	492	0	146	14	16	54.5	0.4	175	46	14	19	8	27	0.0	0.1
418	Jashpur	Kunkuri	Matasi	83.81	22.89	7.7	186	0	85	18	4	0	0.2	65	20	4	11	3	29	0.0	0.2
419	Jashpur	Kasavel	Narayanbahali	83.78	22.65	7.4	490	0	128	49	11	57.2	0.5	190	10	40	19	7	26	0.0	0.0
420	Jashpur	Kunkuri	Narayanpur	83.90	22.85	7.5	550	0	183	56	18	22.6	0.4	215	48	23	22	4	48	0.0	2.2
421	Jashpur	Pathalgaon	Nawaguda	83.44	22.59	7.5	547	0	165	60	10	22.3	0.3	215	40	28	22	4	43	0.0	2.2
422	Jashpur	Pathalgaon	Palidih	83.51	22.56	7.1	157	0	67	7	3	7.87	0.6	60	12	7	9	2	27	0.0	0.0
423	Jashpur	Bagicha	Pandripani	83.71	22.92	7.4	547	0	159	63	13	22.6	0.3	215	52	20	22	4	45	0.0	2.2
424	Jashpur	Pathalgaon	Pathalgaon	83.46	22.55	7.0	90	0	12	4	10	4.5	0.3	20	4	2	6	1	281	0.0	2.2
425	Jashpur	Jashpur	Patratoli	84.12	22.74	7.7	347	0	98	35	5	14.5	0.2	135	26	17	13	3	12	0.0	0.0

426	Jashpur	Bagicha	Peta	83.60	22.96	7.9	547	0	171	63	26	13.2	0.2	180	38	20	35	1	15	0.0	1.0
427	Jashpur	Kasavel	Phooldih	83.63	22.90	8.0	157	0	85	11	4	8	0.6	70	14	8	9	1	28	0.0	1.2
428	Jashpur	Bagicha	Raikera	83.65	22.93	6.9	505	0	49	70	21	70.6	0.0	135	42	7	31	10	21	0.0	0.0
429	Jashpur	Kunkuri	Raikera(Kunkuri)	84.03	22.77	7.8	555	0	171	60	28	13.2	0.3	185	24	30	35	2	14	0.0	0.0
430	Jashpur	Bagicha	Raoni	83.66	23.01	7.2	49	0	6	7	2	9	0.0	15	4	1	2	3	3	0.0	0.0
431	Jashpur	Jashpur	Rupsera	84.28	22.95	7.9	328	0	122	32	7	25.3	0.1	135	32	13	15	2	3	0.0	0.0
432	Jashpur	Kasavel	Shabdmunda	83.83	22.58	8.0	570	0	159	60	25	15.07	0.2	165	32	20	35	1	5	0.0	0.0
433	Jashpur	Bagicha	Sanna	83.81	23.09	7.8	146	0	79	11	2	5.9	0.2	60	18	4	8	2	12	0.0	0.0
434	Jashpur	Kasavel	Saraipani	83.67	22.79	7.7	209	0	104	11	4	4	0.6	90	18	11	12	1	12	0.0	0.0
435	Jashpur	Kasavel	Sahidaur (Jam Dhora)	83.90	22.85	7.5	96	0	61	14	3	0	0.0	70	10	11	7	1	14	0.0	0.0
436	Jashpur	Kansabel	Saraitola	83.65	22.57	7.7	547	0	183	56	14	23.8	0.3	210	50	20	21	4	12	0.0	3.0
437	Jashpur	Manora	Sarkardih	84.03	22.97	7.9	95	0	61	14	4	0	0.1	50	16	2	7	1	10	0.0	0.0
438	Jashpur	Farsabahar	Sirshringa	83.80	22.52	8.0	608	0	250	49	11	35.2	0.2	260	42	37	25	1	10	0.0	0.0
439	Jashpur	Bagicha	Sonquari	83.70	23.13	7.9	96	0	24	11	3	0	0.0	25	8	1	6	1	10	0.0	0.0
440	Jashpur	Pathalgaon	Surangpani New	83.69	22.41	8.1	356	0	159	18	17	1.1	0.1	130	44	5	16	1	7	0.0	2.0
441	Jashpur	Kasavel	Tangargaon	83.73	22.61	7.7	186	0	79	14	5	0	2.1	65	16	6	10	3	10	0.0	3.0
442	Jashpur	Farsabahar	Tapkara	83.95	22.50	8.1	364	0	110	46	5	14.2	0.6	140	40	10	14	2	22	0.0	2.0
443	Jashpur	Kansabel	Budadand	83.64	22.89	7.6	159	0	73	14	4	0.23	0.2	65	20	4	8	1	12	0.0	2.0
444	Jashpur	Kansabel	Kuthera	83.73	22.69	7.9	185	0	73	14	4	0.25	0.3	65	18	5	10	3	9	0.0	3.1
445	Mahasamund	Saraipali	Badesara	83.09	21.39	7.5	1551	0	494	182	34	0.25	0.3	575	126	62	64	3	35	0.0	4.2
446	Mahasamund	Saraipali	Patsenduri	83.08	21.37	7.3	1673	0	177	319	48	82.7	0.2	580	148	50	63	3	9	0.0	4.5
447	Raigarh	Dharmajaigarh	Amapali	83.23	22.37	8.0	275	0	128	14	8	4.7	0.2	115	42	2	5	9	8	0.0	0.5
448	Raigarh	Gharghoda	Amlidih	83.33	22.11	7.4	107	0	12	14	5	14	0.2	35	4	6	3	4	7	0.0	1.0
449	Raigarh	Dharmajaigarh	Auranar	83.16	22.15	7.3	68	0	18	4	4	10.7	0.1	20	4	2	4	1	0	0.0	1.3
450	Raigarh	Pusaur	Aurda	83.40	21.81	7.4	40	0	6	7	4	0	0.3	10	2	1	1	8	10	0.0	1.0
451	Raigarh	Tamnar	Auraimura	83.38	22.20	7.5	1186	0	342	158	4	2.2	0.1	440	96	48	57	2	41	0.0	20.0
452	Raigarh	Baramkela	Bade Nawapara	83.35	21.56	8.0	377	0	128	14	43	3.1	0.2	160	24	24	1	2	25	0.0	0.0
453	Raigarh	Dharmajaigarh	Bakaruma	83.44	22.51	8.1	464	0	250	28	6	10.2	0.7	235	56	23	4	3	35	0.0	5.1
454	Raigarh	Raigarh	Bangrusian	83. 2815	21 .58 37	7.7	261	0	37	35	8	35.2	0.1	90	18	11	5	2	5	0.0	0.0
455	Raigarh	Raigarh	Bansjer	83.22	22.49	7.9	1066	0	275	154	56	41.9	0.4	450	82	59	34	43	40	0.0	2.0

456	Raigarh	Sarai Lengha Baram	Baramkela	83.26	21.53	7.8	431	0	189	11	28	0.1	0.0	105	24	11	34	4	22	0.0	0.0
457	Raigarh	Tmanar	Barkaspali	83.41	22.16	8.2	376	0	177	18	27	5.9	0.4	180	46	16	3	2	20	0.0	1.1
458	Raigarh	Dharmajaigarh	Barpali	83.27	22.33	8.0	387	0	195	21	17	3.1	0.4	155	28	20	6	23	18	0.0	0.0
459	Raigarh	Sarai Lengha Baram	Barpali	83 .20 45	21 .32 53	7.9	104	0	12	11	10	13.2	0.0	35	10	2	2	4	15	0.0	0.0
460	Raigarh	Dharmajaigarh	Bartapali	83.18	22.34	7.9	1081	0	250	109	99	2.3	0.0	385	18	82	42	2	15	0.0	1.2
461	Raigarh	Sarangarh	Bataupali	83.13	21.54	7.9	69.3	0	12	7	5	3.6	0.1	25	10	2	2	4	12	0.0	0.0
462	Raigarh	Dharmajaigarh	Bayasi	83.17	22.44	7.7	399	0	116	35	35	16.6	0.1	160	44	12	8	3	12	0.0	2.3
463	Raigarh	Gharghoda	Bhalumar	83.34	22.12	7.7	98	0	24	11	5	3.7	0.1	40	4	7	2	4	14	0.0	0.0
464	Raigarh	Gharghoda	Bhangari	83.25	22.13	7.5	71	0	6	7	10	10.6	0.1	30	12	2	3	1	13	0.0	0.2
465	Raigarh	Dharmajaigarh	Bojia	83.16	22.13	7.5	42.2	0	18	4	10	0	0.0	15	2	2	1	7	13	0.0	0.0
466	Raigarh	Pusaur	Bonda	83.30	21.72	7.5	46	0	6	7	5	0	0.1	10	2	1	1	7	13	0.0	0.0
467	Raigarh	Dharmajaigarh	Boro	83.11	22.56	7.8	605	0	183	18	106	11.8	0.4	265	44	37	9	13	12	0.0	5.0
468	Raigarh	Kharsia	Chaple	83.20	21.98	7.7	63	0	12	4	10	23	0.0	30	8	2	1	9	12	0.0	0.0
469	Raigarh	Dharmajaigarh	Charkhapara	83.38	22.54	7.6	263	0	43	28	34	34.3	0.0	110	12	19	7	13	12	0.0	0.0
470	Raigarh	Dharmajaigarh	Chhal	83.12	22.12	7.8	270	0	73	18	42	16.9	0.0	95	26	7	15	1	12	0.0	0.1
471	Raigarh	Sarangarh	Chhind	83.00	21.60	7.7	69.1	0	12	7	14	3.7	0.0	30	8	2	2	4	12	0.0	0.0
472	Raigarh	Gharghoda	Chimtapani	83.42	22.27	7.8	336	0	98	35	36	16.7	0.1	145	34	14	8	3	12	0.0	3.0
473	Raigarh	Raigarh	Chiraipani	83. 22 02	21. 58 37	7.8	81.8	0	24	7	14	0	0.0	40	8	5	2	2	11	0.0	0.1
474	Raigarh	Daranjaigarh	Choranga	83.46	22.47	7.7	34.5	0	6	7	5	0.36	0.1	15	4	1	1	2	11	0.0	9.5
475	Raigarh	Gharghoda	Chuhkimar	83.09	22.18	7.8	208	0	73	7	25	4.6	0.0	85	16	11	8	1	11	0.0	0.0
476	Raigarh	Sarangarh	Damdarha	83.12	21.45	8.1	359	0	195	7	18	3.1	0.0	145	24	20	5	21	11	0.0	3.0
477	Raigarh	Dharmajaigarh	Derpani	83.29	22.64	7.8	336	0	85	32	31	16.6	0.0	145	34	14	8	3	19	0.0	0.0
478	Raigarh	Tamnar	Devgarh	83.40	22.13	7.9	452	0	250	11	14	0	0.0	155	22	24	34	3	23	0.0	0.0
479	Raigarh	Dharmajaigarh	Dharmajaigarh	83.21	22.46	8.1	352	0	177	18	19	3.1	0.0	135	18	22	5	22	18	0.0	0.0
480	Raigarh	Kharsiya	Domnara	83.08	22.46	8.4	156	3	55	7	10	6.6	0.0	55	18	2	6	1	22	0.0	0.3
481	Raigarh	Dharmajaigarh	Duliamuda	83.14	22.42	7.8	258	0	43	32	32	32.2	0.0	95	24	8	7	12	35	0.0	0.0
482	Raigarh	Gharghoda	Dumarpali	83.28	22.29	7.6	70	0	12	4	19	4.8	0.0	30	8	2	2	4	25	0.0	0.1
483	Raigarh	Dharmajaigarh	Durgapur	83.16	22.48	7.5	105	0	12	11	21	13.7	0.0	45	4	8	3	4	25	0.0	0.0
484	Raigarh	Dharmajaigarh	Edu	83.13	22.08	7.8	69.2	0	6	7	5	12.4	0.0	20	4	2	1	9	32	0.0	0.0

485	Raigarh	Kharsia	Farkanara	83.11	22.02	7.6	116.3	0	43	25	34	34.6	0.4	105	24	11	6	11	27	0.0	0.0
486	Raigarh	Lailunga	Futahamuda	83.22	22.33	7.6	268	0	49	32	37	35.5	0.0	115	32	8	7	12	29	0.0	0.0
487	Raigarh	Lailunga	Gosaidih	83.50	22.35	7.6	82.2	0	18	11	10	0	0.0	30	8	2	2	2	20	0.0	0.0
488	Raigarh	Tamnar	Gare	83.49	22.14	7.8	83	0	24	4	10	0	0.0	30	4	5	2	2	13	0.0	1.2
489	Raigarh	Dharmajaigarh	Gersa	83.23	22.34	7.8	965	0	122	172	85	74	0.0	340	40	58	41	39	25	0.0	0.0
490	Raigarh	Raigarh	Gerwani	83.20	22.27	7.7	113	0	12	11	10	14.4	0.1	30	6	4	3	4	10	0.0	0.0
491	Raigarh	Gharghoda	Gharghoda	83.35	22.17	7.5	40	0	6	7	5	0.4	0.0	15	2	2	1	2	6	0.0	0.0
492	Raigarh	Kharsia	Gidha	83.12	21.96	8.1	346	0	171	18	17	3.3	0.0	125	14	22	6	22	13	0.0	0.0
493	Raigarh	Raigadh	Godam	83.16	21.67	7.7	266	0	37	25	34	36.6	0.0	85	18	10	7	12	12	0.0	1.2
494	Raigarh	Dharmajaigarh	Golabuda	83.40	22.63	7.5	1846	0	683	137	178	1.8	0.1	890	284	43	46	3	23	0.0	15.9
495	Raigarh	tamnar	Gohri	83.61	22.35	8.0	751	0	329	14	37	6.8	0.1	285	72	25	20	2	21	0.0	5.0
496	Raigarh	Dharmajaigarh	Hati	83.10	22.30	8.0	293	0	73	14	44	18.7	0.0	90	24	7	16	1	22	0.0	2.0
497	Raigarh	Sarangarh	Hirri	83.11	21.64	8.2	231	0	98	14	23	5.5	0.0	115	36	6	9	1	16	0.0	0.2
498	Raigarh	Dharmajaigarh	Jabga	83.11	22.53	7.9	2000	0	525	60	600	1.5	0.0	940	330	28	50	3	20	0.0	12.0
499	Raigarh	Raigarh	Jamgaon	83.55	21.87	8.0	70	0	12	11	5	6.2	0.1	20	6	1	1	9	11	0.0	0.0
500	Raigarh	Raigarh	jamgaon(Basti)	83.55	21.87	8.3	1033	0	183	109	106	45.5	0.0	350	54	52	25	2	21	0.0	0.1
501	Raigarh	raigarh	Jamga Railway station	83.39	21.90	8.3	992	0	189	49	107	45.5	0.1	350	52	53	25	2	18	0.0	0.2
502	Raigarh	Lailunga	Jegarpur	83.54	22.35	8.1	101	0	31	11	5	0	0.1	35	8	4	5	3	14	0.0	0.0
503	Raigarh	Sarai Lengha Baram	Jhikipali	83.32	21.43	8.2	1024	0	238	109	103	9.3	0.0	330	68	38	55	1	27	0.0	15.6
504	Raigarh	Raigarh	Jorapali	83.34	21.89	8.1	1224	0	311	98	139	0	0.1	455	124	35	48	2	20	0.0	7.2
505	Raigarh	Sarangarh	Kanakbira	83.12	21.46	8.1	364	0	85	32	39	18.1	0.1	155	34	17	8	3	26	0.0	0.4
506	Raigarh	Dharmajaigarh	Kandadand	83.20	22.54	8.0	121	0	18	7	19	24.4	0.1	55	8	8	1	9	24	0.0	0.0
507	Raigarh	Sarai Lengha Baram	Kandola	83 17 45	21. 38 52	8.3	630	3	177	25	101	13.3	0.1	280	38	44	10	14	19	0.0	6.5
508	Raigarh	Dharmajaigarh	Kapu	83.34	22.67	8.1	500	0	293	11	30	7.2	0.1	235	46	29	20	2	4	0.0	0.2
509	Raigarh	Sarangarh	Kargipali (Kargidipa)	83.04	21.48	8.1	1670	0	390	235	72	72.5	0.0	570	124	62	60	3	19	0.0	0.4
510	Raigarh	Dharmajaigarh	Karigashi	83.14	22.51	7.9	70	0	12	7	10	6.2	0.1	20	8	0	1	9	4	0.0	0.0
511	Raigarh	Pussore	Kathali New	83 .20 17	21 .47 54	7.9	1981	0	592	60	362	1.5	0.0	930	288	50	48	3	19	0.0	20.4
512	Raigarh	Dharamjaigarh	Katangdih	83.28	22.16	7.8	55	0	6	7	10	6.2	0.0	15	4	1	1	8	23	0.0	0.0

513	Raigarh	Sarangarh	Kedar	82.94	21.61	8.1	392	0	104	32	31	17.8	0.0	140	44	7	8	3	18	0.0	0.4
514	Raigarh	Raigarh	Kerajhar	83.30	21.96	7.9	284	0	43	25	29	37.2	0.0	95	26	7	8	14	32	0.0	1.0
515	Raigarh	Dharmajaigarh	Khadgaon	83.12	22.38	7.7	83.7	0	18	4	5	21	0.0	35	2	7	2	5	5	0.0	0.0
516	Raigarh	Dharmajaigarh	Khanhar	83.25	22.58	8.4	447	3	220	11	35	0	0.1	115	24	13	38	4	14	0.0	0.0
517	Raigarh	Kharsia	Kharsia	83.10	21.99	7.9	286	0	37	35	33	34.6	0.1	95	24	8	8	14	15	0.0	0.0
518	Raigarh	Tamnar	Koknara	83.37	22.21	8.4	377	3	165	21	19	3.4	0.1	125	18	19	6	23	12	0.0	0.0
519	Raigarh	Pusaur	Koshmanda	83.40	21.77	8.1	1158	0	49	70	85	3.2	0.1	425	78	55	44	2	24	0.0	12.5
520	Raigarh	Raigarh	Kotarliya	83.46	21.89	8.4	1084	3	220	109	89	44.4	0.0	405	66	58	26	2	19	0.0	0.4
521	Raigarh	Raigarh	Kotra	83.31	21.87	8.1	1233	0	525	32	89	0	0.0	460	120	38	47	2	26	0.0	10.1
522	Raigarh	Gharghoda	Kotrimal	83.40	22.23	8.3	598	0	146	49	53	26.2	0.0	200	42	23	12	22	21	0.0	0.1
523	Raigarh	Dharmajaigarh	Kurekela	83.10	22.20	7.8	79	0	12	11	5	4.1	0.1	20	6	1	5	5	7	0.0	0.0
524	Raigarh	Gharghoda	Kurmibhuna	83.37	22.28	7.8	125.3	0	24	14	19	3.9	0.1	50	12	5	3	4	9	0.0	0.0
525	Raigarh	Lailunga	Lailunga	83.58	22.38	7.8	103	0	24	7	10	0	0.1	30	8	2	2	3	9	0.0	0.0
526	Raigarh	Raigarh	Lakha	83.38	21.97	8.4	442	3	128	21	62	7.2	0.1	155	28	20	20	2	17	0.0	0.0
527	Raigarh	Dharmajaigarh	Lakshmipur	83.21	22.51	8.1	1031	0	281	109	69	9.6	0.1	320	76	31	51	1	22	0.0	0.0
528	Raigarh	Lailunga	Laripani	83.47	22.34	8.4	840	3	214	137	33	7.2	0.1	375	82	41	21	2	19	0.0	0.0
529	Raigarh	Sarai Lengha Baram	Lendhara	83.30	21.50	8.3	826	0	165	109	81	46	0.0	345	44	56	26	2	18	0.0	1.2
530	Raigarh	Sarai Lengha Baram	Lendhra	83.29	21.49	8.4	598	3	183	25	79	13.6	0.1	240	38	35	10	14	18	0.0	4.5
531	Raigarh	Dharmajaigarh	Lipti	83.38	22.65	8.0	1052	0	323	109	59	9.8	0.1	345	86	31	53	1	32	0.0	0.1
532	Raigarh	Raigarh	Mahapalli New	83. 32 09	21. 39 33	8.0	1132	0	207	168	72	65	0.1	385	66	53	45	42	24	0.0	0.2
533	Raigarh	Sarai Lengha Baram	Mahuapali	83.28	21.63	7.9	86	0	12	4	14	4.7	0.8	25	4	4	2	5	8	0.0	0.1
534	Raigarh	Sarai Lengha Baram	Malda (B)	83.20	21.56	7.9	1253	0	250	133	70	0	0.1	475	118	43	48	2	15	0.0	5.7
535	Raigarh	Tamnar	Milupara	83.54	22.16	8.3	298	3	128	7	34	0	0.1	115	24	13	4	9	12	0.0	0.0
536	Raigarh	Dharmajaigarh	Munund	83.09	22.24	8.0	1136	0	159	165	90	69.4	0.1	375	88	37	50	47	25	0.0	3.2
537	Raigarh	Pusaur	Nawrangpur	83.23	21.85	8.2	307	0	122	14	40	1.8	0.1	120	30	11	15	2	3	0.0	2.1
538	Raigarh	Dharmajaigarh	Ongana New	83. 14 12	22. 26 25	8.1	1038	0	183	98	107	46.3	0.1	305	46	46	53	32	22	0.0	6.5
539	Raigarh	Raigarh	Padigaon	83.48	22.05	8.1	746	0	98	70	105	16	0.1	255	40	37	31	1	15	0.0	3.3
540	Raigarh	Lailunga	Pakargaon	83.61	22.39	8.1	216	0	79	7	25	5	0.3	85	20	8	11	1	12	0.0	0.0

541	Raigarh	Sarangarh	Pindri	83.16	21.66	7.9	383	0	116	32	33	16.7	0.1	150	48	7	10	4	11	0.0	3.1
542	Raigarh	Raigarh	Raigarh	83.40	21.89	8.0	1065	0	397	67	88	2.5	0.0	385	74	48	53	2	20	0.0	21.4
543	Raigarh	Lailunga	Rajpur	83.49	22.44	8.2	340	0	79	35	38	18.4	0.1	130	30	13	10	4	16	0.0	4.1
544	Raigarh	Sarangarh	Reda	83.09	21.63	8.1	976	0	207	95	89	39.8	0.1	385	54	60	37	10	11	0.0	3.3
545	Raigarh	Pusaur	Rengelpali	83.48	21.76	8.3	84	3	29	85	6	11.2	0.0	40.5	10	9	4	2	5	0.0	1.2
546	Raigarh	Lailunga	Salkhiya	83.52	22.42	8.0	609	0	183	25	103	12.3	0.0	250	44	34	12	17	21	0.0	7.4
547	Raigarh	Gharghoda	Samarumi	83.35	22.08	7.6	1946	0	561	196	71	1.5	0.1	705	152	78	59	3	19	0.0	20.1
548	Raigarh	Raigarh	Sambalpuri	83 27 14	21 56 13	8.6	103	6	12	7	14	12.4	0.0	30	6	4	1	10	9	0.0	4.3
549	Raigarh	Raigarh	Sariya	83.36	21.64	8.2	81.1	0	18	7	5	12.4	0.0	25	6	2	1	8	6	0.0	2.1
550	Raigarh	Pusaur	Semra	83.25	21.77	7.9	1034	0	366	112	86	2.5	0.0	390	66	54	51	2	20	0.0	21.4
551	Raigarh	Dharmajaigarh	Shahpur	83.18	22.48	7.8	1290	0	415	56	85	69.7	0.1	360	70	44	51	46	24	0.0	2.0
552	Raigarh	Dharmajaigarh	Sirsinga	83.31	22.46	8.1	38	0	6	4	5	0.75	0.0	10	2	1	1	2	3	0.0	1.3
553	Raigarh	Pusaur	Surajgarh	83.39	21.69	8.1	276	0	122	7	25	0.17	0.1	130	34	11	4	9	11	0.0	0.0
554	Raigarh	Pusaur	Tadola	83.38	21.80	8.1	112	0	18	11	10	13.7	0.1	40	8	5	3	5	10	0.0	0.0
555	Raigarh	Tamnar	Tamnar	83.44	22.09	7.6	1860	0	671	151	197	1.3	0.0	850	266	44	61	4	19	0.0	18.6
556	Raigarh	Tamnar	Taraimal.1	83.38	22.06	8.0	533	0	153	42	57	14.8	0.1	175	34	22	33	2	155	0.0	1.2
557	Raigarh	Dharmajaigarh	Taraimar	83.18	22.45	7.8	267	0	43	28	33	33.9	0.1	110	22	13	7	3	12	0.0	0.0
558	Raigarh	Dharmajaigarh	Tendumar New	83. 13 37	22. 26 01	7.8	72	0	12	14	22	4.1	0.1	45	12	4	2	6	7	0.0	0.0
559	Raigarh	Gharghoda	Teram (New)	83.34	22.22	8.0	614	0	256	35	31	35.3	0.1	265	64	25	21	1	17	0.0	3.8
560	Raigarh	Pusaur	Tetla	83.33	21.79	7.9	65	0	6	7	5	12.4	0.0	20	4	2	1	8	17	0.0	0.0
561	Raigarh	Dharmajaigarh	Ududa	83.12	22.49	7.8	356	0	92	35	35	16.9	0.1	150	38	13	7	3	20	0.0	2.2
562	Raigarh	Kharsia	Ulda	83.06	22.05	7.8	1293	0	146	158	80	71.3	0.0	365	78	41	36	33	23	0.0	2.4
563	Raigarh	Raigarh	Chiraipani1	83.34	21.94	7.8	152	0	49	11	19	4.3	0.0	65	18	5	2	4	12	0.0	1.2
564	Raigarh	Tamnar	Amaghat	83.41	22.08	7.9	865	0	171	91	101	45.2	0.1	300	44	46	40	22	23	0.0	10.9
565	Raigarh	Manora	Fathepur	84.13	22.93	8.0	190	0	73	7	24	1.1	0.1	70	24	2	7	2	10	0.0	1.0
566	Raigarh	Dharamjaigarh	Pordahi	83.13	22.51	8.1	270	0	116	18	10	0	1.1	95	24	8	13	1	13	0.0	4.8
567	Raigarh	Sarangarh	Kushal Nagar (Sarangarh)	83.08	21.60	7.8	110	0	18	4	21	13.8	0.1	40	6	6	2	3	11	0.0	0.0
568	Raigarh	Tamnar	Libra	83.51	22.11	7.9	345	0	177	7	10	0	1.1	125	38	7	14	1	14	0.0	4.1
569	Raigarh	Dharamjaigarh	Dharamjaigarh	83.19	22.45	7.8	114	0	18	11	10	13.8	0.1	35	8	4	6	3	8	0.0	2.1

570	JANJGIR CHAMPA	Dabhra	Chandrapur	83.24	21.71	7.7	254	0	73	21	31	6.1	0.7	90	24	7	12	1	10	0.0	3.8
571	Raigarh	Kharsia	Chaple	83.20	21.98	7.8	75	0	12	7	10	6.2	0.0	25	6	2	5	1	3	0.0	2.1
572	Balodabazar	Simgha	Hadabandh	81.84	21.63	7.1	1084	0	354	106	40	74.88	0.3	400	68	55	68	4	12	0.0	0.0
573	Balodabazar	Simga	Udela	81.85	21.61	7.2	1186	0	354	149	56	72.96	0.3	540	100	70	38	2	11	0.0	0.0
574	Balodabazar	Kasdol	Temri	82.41	21.58	7.4	701	0	268	71	10	28.8	0.7	260	72	19	47	0	26	0.0	0.0
575	Balodabazar	Balodabazar	Amera	82.18	21.59	7.1	753	0	317	71	11	22.56	0.6	300	108	7	41	1	12	0.0	0.0
576	Balodabazar	Kasdol	Aouri	82.27	21.42	7.4	573	0	329	43	0	14.88	0.3	270	28	48	34	2	17	0.0	0.0
577	Balodabazar	Balodabazar	Arjuni	82.07	21.69	7.2	749	0	232	78	20	63.84	0.4	310	56	41	32	1	8	0.0	0.0
578	Balodabazar	Balodabazar	Baloda bazar	82.17	21.66	7.0	730	0	317	57	7	36.96	0.4	300	60	36	38	0	8	0.0	0.0
579	Balodabazar	Bilaigarh	Tundri	82.64	21.65	7.3	616	0	336	14	0	24	1.5	250	44	34	32	2	18	0.0	0.0
580	Balodabazar	Bilaigarh	Bhatgaon	82.81	21.65	7.2	1058	0	317	135	19	70.56	0.5	430	68	62	50	1	20	0.0	0.0
581	Balodabazar	Pallari	Bhatia	82.40	21.89	7.3	572	0	207	43	17	31.68	0.6	215	56	18	29	0	11	0.0	0.0
582	Balodabazar	Bilaigarh	Bilaigarh	82.73	21.64	7.1	465	0	238	21	0	14.88	0.4	200	64	10	19	0	11	0.0	0.0
583	Balodabazar	Simga	Damakheda	81.76	21.70	7.1	972	0	244	106	25	98.88	0.3	430	100	43	21	1	15	0.0	0.0
584	Balodabazar	Simga	Darchura	81.79	21.71	7.2	1240	0	305	135	64	102.7	0.1	470	104	50	47	23	9	0.0	0.0
585	Balodabazar	Palari	Devsundri	82.07	21.52	7.1	1228	0	183	241	18	73.92	0.2	500	152	29	38	1	13	0.0	0.0
586	Balodabazar	Kasdol	Kasdol	82.43	21.62	7.3	702	0	256	71	9	28.8	0.7	250	64	22	46	0	26	0.0	0.0
587	Balodabazar	Simga	Khapri	81.97	21.65	7.5	383	0	183	28	1	14.88	0.6	180	44	55	14	0	9	0.0	0.0
588	Balodabazar	Palari	Kodwa	82.08	21.47	7.4	1187	0	549	64	40	50.88	0.4	540	136	70	39	2	11	0.0	0.0
589	Balodabazar	Bilaigarh	Marban Gatadih	82.92	21.56	7.3	458	0	238	14	0	21.6	0.3	170	64	19	28	3	8	0.0	0.0
590	Balodabazar	Kasdol	Mudhipar	82.28	21.47	7.3	603	0	293	35	0	15.84	0.3	230	80	7	35	2	15	0.0	0.0
591	Balodabazar	Bilaigarh	Sarsiwa	82.92	21.63	7.3	416	0	256	14	0	20.64	0.3	200	52	48	23	3	9	0.0	0.0
592	Balodabazar	Kasdol	Sel	82.49	21.65	7.3	253	0	134	21	0	7.68	0.3	120	28	41	10	2	19	0.0	0.0
593	Balodabazar	Simga	Simga	81.70	21.63	7.4	666	0	244	43	8	70.56	0.4	290	52	36	23	1	11	0.0	0.0
594	Balodabazar	Palari	Sandi	82.08	21.45	7.7	751	0	305	71	1	21.6	0.7	270	72	34	48	2	13	0.0	0.0
595	Dhamtari	Magarload	Banraud	81.66	20.60	7.4	414	0	220	21	0	12.96	0.3	175	48	62	21	4	12	0.0	0.0
596	Dhamtari	Sihawa (Nagri)	Banspani	81.79	20.37	7.4	321	0	195	7	0	3.84	1.5	110	36	18	29	1	29	0.0	0.0
597	Dhamtari	Magarload	Baspara(Kukrel)	81.65	20.61	7.4	143	0	73	7	0	4.8	0.0	65	24	10	4	1	13	0.0	0.0
598	Dhamtari	Kurud	Bhatagaon	81.70	20.88	7.7	917	0	244	149	22	48.96	0.2	355	80	43	46	17	9	0.0	0.0
599	Dhamtari	Sihawa (Nagri)	Birgudi	81.86	20.32	7.3	260	0	85	14	31	7.2	1.0	90	32	50	17	0	28	0.0	0.0

600	Dhamtari	Magarload	Budaraon	81.90	20.72	7.7	281	0	128	14	0	15.84	0.9	110	40	29	14	3	14	0.0	0.0
601	Dhamtari	Dhamtari	Marradev	81.57	20.63	7.6	527	0	250	21	0	36	0.3	200	44	22	31	4	9	0.0	0.0
602	Dhamtari	Dhamtari	Chhati	81.67	20.78	7.8	381	0	183	28	0	12.96	0.5	175	44	16	14	0	10	0.0	0.0
603	Dhamtari	Kurud	Dandesara	81.63	20.81	7.5	438	0	232	21	1	8.64	0.2	185	56	11	19	1	16	0.0	0.0
604	Dhamtari	Kurud	Darba	81.68	20.96	7.7	459	0	244	21	4	17.76	0.5	220	64	14	13	0	11	0.0	0.0
605	Dhamtari	Sihawa (Nagri)	Dorgardula	81.91	20.41	7.5	279	0	110	14	32	6.72	1.0	110	32	7	17	0	35	0.0	0.0
606	Dhamtari	Sihawa (Nagri)	Dugli	81.87	20.49	7.4	427	0	171	43	10	13.92	0.9	180	56	10	20	1	29	0.0	0.0
607	Dhamtari	Dhamtari	Gangrel	81.56	20.63	7.4	150	0	79	7	0	4.8	0.0	70	28	5	4	1	11	0.0	0.0
608	Dhamtari	Sihawa (Nagri)	Gattasilli	81.80	20.44	7.4	309	0	171	14	0	2.88	1.4	105	40	1	29	0	27	0.0	0.0
609	Dhamtari	Sihawa (Nagri)	Jabarra	81.99	20.50	7.3	428	0	183	28	9	13.92	0.8	170	48	12	20	1	27	0.0	0.0
610	Dhamtari	Sihawa (Nagri)	Keregaon	81.74	20.55	7.2	195	0	110	7	0	3.84	0.0	80	20	7	10	2	15	0.0	0.0
611	Dhamtari	Dhamtari	Khadadaha	81.69	20.57	7.0	193	0	98	7	0	3.36	1.4	70	20	5	11	2	16	0.0	0.0
612	Dhamtari	Nagri	Kouhabahara	81.86	20.49	7.6	590	0	293	21	17	27.84	1.3	210	64	12	47	6	14	0.0	0.0
613	Dhamtari	Kurud	Kondapar	81.73	21.00	7.7	467	0	256	14	6	17.76	0.4	230	76	10	13	0	7	0.0	0.0
614	Dhamtari	Kurud	Kosmarra	81.60	20.86	7.7	525	0	281	28	5	9.6	0.1	240	72	14	19	1	10	0.0	0.0
615	Dhamtari	Kurud	Kurud	81.72	20.83	7.6	468	0	256	21	0	8.64	0.6	145	40	11	49	0	5	0.0	0.0
616	Dhamtari	Nagri	Kumhada	81.58	20.57	7.5	402	0	232	14	1	10.56	0.1	175	56	8	20	4	6	0.0	0.0
617	Dhamtari	Magarload	Magarload	81.86	20.75	7.9	282	0	146	14	1	13.92	0.7	120	36	7	14	3	8	0.0	0.0
618	Dhamtari	Kurud	Marod	81.69	20.90	7.6	929	0	232	135	27	42.72	0.1	330	92	24	46	12	6	0.0	0.0
619	Dhamtari	Kurud	Mega	81.80	20.78	7.4	944	0	281	113	59	37.92	0.2	340	84	36	58	9	8	0.0	0.0
620	Dhamtari	Sihawa (Nagri)	Nagri	81.96	20.33	7.4	258	0	146	28	2	8.64	0.7	140	32	14	16	1	19	0.0	0.0
621	Dhamtari	Sihawanagri	Sankra	82.01	20.26	7.6	607	0	268	57	1	18.72	0.3	260	64	24	26	3	8	0.0	0.0
622	Dhamtari	Dhamtari	Shankarda	81.45	20.62	7.7	443	0	195	28	38	9.12	0.4	220	52	22	8	2	5	0.0	0.0
623	Dhamtari	Sihawa (Nagri)	Sihawa	81.91	20.31	7.8	258	0	98	14	38	7.68	0.9	105	32	6	16	0	25	0.0	0.0
624	Dhamtari	Magarload	Singhpur	81.88	20.58	7.7	550	0	238	35	35	24	1.4	195	44	20	47	6	15	0.0	0.0
625	Dhamtari	Nagri	Tumribahar	81.96	20.35	7.5	258	0	116	14	17	7.68	0.8	105	24	11	15	1	20	0.0	0.0
626	Dhamtari	Kurud	Aouri	81.69	20.86	7.7	454	0	256	21	1	7.68	0.6	145	28	18	49	0	6	0.0	0.0
627	Dhamtari	Dhamtari	Puri	81.33	20.74	8.0	358	0	183	21	0	7.68	0.6	155	52	6	16	1	5	0.0	0.0
628	Dhamtari	Nagri	Basin	82.17	20.25	7.8	425	0	220	28	0	9.6	0.4	210	48	22	8	2	5	0.0	0.0

629	Gariyaband	Chhura	Sorid	82.21	20.81	7.9	481	0	207	43	25	8.16	0.0	230	80	7	12	1	6	0.0	0.0
630	Gariyaband(Fotak para)	Fingeswar	Kirwai	81.88	20.96	8.1	553	0	268	43	2	12.96	0.4	125	24	16	78	1	6	0.0	0.0
631	Gariyabandh	Chhura	Amethi	82.05	20.94	7.7	490	0	256	28	1	12	0.3	230	56	22	14	0	8	0.0	0.0
632	Gariyabandh	Rajim	Kaskera	82.14	20.93	7.5	493	0	256	28	0	9.6	0.2	210	76	5	25	1	8	0.0	0.0
633	Gariyabandh	Rajim	Mudagaon	82.17	20.90	7.6	457	0	268	14	2	9.6	0.4	200	52	17	23	1	10	0.0	0.0
634	Gariyabandh	Chhura	Pond	81.72	20.80	7.9	354	0	183	7	0	8.16	0.5	160	48	10	15	1	9	0.0	0.0
635	Gariyabandh	Fingeswar	Sarkada	82.06	20.91	7.8	481	0	189	35	25	7.68	0.0	220	72	10	12	1	7	0.0	0.0
636	Gariyabandh	Chhura	Baruka	82.01	20.69	7.6	735	0	207	106	48	19.68	0.1	250	76	14	51	4	10	0.0	0.0
637	Gariyabandh	Rajim	Chhura	82.21	20.81	7.8	481	0	244	28	29	8.16	0.0	225	80	6	13	1	11	0.0	0.0
638	Gariyabandh	Rajim	Devri	81.96	20.88	7.6	454	0	195	28	7	8.16	0.0	195	44	20	24	2	13	0.0	0.0
639	Gariyabandh	Fingeshwar	Fingeshwar	82.03	20.97	7.1	361	0	146	35	47	7.2	0.0	130	40	7	21	1	15	0.0	0.0
640	Gariyabandh	Chhura	Gariaband	82.07	20.63	7.4	196	0	61	7	3	9.6	0.2	85	28	4	9	0	9	0.0	0.0
641	Gariyabandh	Rajim	Kanekera	82.08	21.04	7.1	371	0	134	43	47	7.2	0.0	130	40	7	21	1	8	0.0	0.0
642	Gariyabandh	Chhura	Kaseru	82.12	20.65	7.6	195	0	98	7	2	9.12	0.0	80	24	5	9	2	10	0.0	0.0
643	Gariyabandh	Rajim	Kashi Bahara	82.19	20.86	7.6	415	0	159	21	1	9.12	0.5	170	40	17	23	1	8	0.0	0.0
644	Gariyabandh	Rajim	Kopra	81.93	20.84	7.5	927	0	317	113	60	30.72	0.1	320	88	24	56	9	8	0.0	0.0
645	Gariyabandh	Rajim	Koma	81.94	20.97	7.8	260	0	67	7	5	21.6	0.1	100	32	5	8	6	7	0.0	0.0
646	Gariyabandh	Rajim	Panduka	81.95	20.78	7.7	730	0	244	92	48	20.64	0.0	270	72	22	52	4	8	0.0	0.0
647	Gariyabandh	Rajim	Rajim	81.88	20.97	7.8	268	0	85	28	5	20.64	0.0	110	32	7	9	6	6	0.0	0.0
648	Gariyabandh	Rajim	Sursabandha	81.92	20.88	7.6	448	0	244	21	6	9.12	0.2	190	48	17	24	2	7	0.0	0.0
649	Mahasamund	Mahasamund	Amlor	82.08	21.35	7.5	582	0	256	50	20	18.24	0.0	250	72	17	25	9	8	0.0	0.0
650	Mahasamund	Bagbahara	Bagbahara	82.41	21.03	7.8	624	0	244	64	25	19.68	0.6	250	64	22	39	1	20	0.0	0.0
651	Mahasamund	Mahasamund	Baldidih	82.64	21.29	7.7	713	0	268	92	1	17.76	0.1	310	68	34	25	1	17	0.0	0.0
652	Mahasamund	Basna	Barbaspun	82.88	21.29	7.8	594	0	293	43	0	18.72	1.5	240	40	34	38	2	8	0.0	0.0
653	Mahasamund	Basna	Basna	82.83	21.27	8.0	508	0	146	78	12	30.72	0.0	220	60	17	24	2	8	0.0	0.0
654	Mahasamund	Mahasamund	Belsunda	82.03	21.16	7.9	426	0	171	35	14	15.84	0.0	180	64	5	13	4	7	0.0	0.0
655	Mahasamund	Bagbahara	Bhimkhoj	82.30	21.07	7.9	440	0	232	21	8	14.88	0.9	190	44	19	26	0	19	0.0	0.0
656	Mahasamund	Bagbahara	Hadabundh	82.22	21.09	7.9	427	0	146	43	8	40.8	0.2	165	40	16	30	1	5	0.0	0.0
657	Mahasamund	Pithora	Jagdishpur	82.78	21.33	7.7	514	0	134	78	12	29.76	0.0	210	68	10	24	2	8	0.0	0.0
658	Mahasamund	Mahasamund	Jalki	82.21	21.24	7.6	285	0	110	7	47	3.36	0.0	100	36	2	16	2	18	0.0	0.0

659	Mahasamund	Mahasamund	Jhalap	82.38	21.22	7.4	270	0	98	25	17	10.56	0.2	100	32	5	19	1	14	0.0	0.0
660	Mahasamund	Mahasamund	Jogidipa	82.26	21.22	7.6	235	0	122	14	0	2.88	1.3	80	20	7	23	0	5	0.0	0.0
661	Mahasamund	Bagbahara	Khallari	82.30	21.08	7.8	624	0	256	57	25	24	0.7	235	64	18	47	1	15	0.0	0.0
662	Mahasamund	Mahasamund	Kowajhar	82.15	21.21	7.0	100	0	43	7	2	4.8	0.0	40	8	5	5	1	4	0.0	0.0
663	Mahasamund	Mahasamund	Lavra Khurud	82.12	21.09	7.4	427	0	207	28	12	13.92	0.0	200	56	14	14	4	4	0.0	0.0
664	Mahasamund	Mahasamund	Mahasamund.1	82.10	21.11	7.8	431	0	146	43	9	41.76	0.2	160	8	34	30	5	5	0.0	0.0
665	Mahasamund	Saraipalli	Marban	83.08	21.39	7.9	433	0	220	21	18	9.6	0.5	210	48	22	13	1	15	0.0	0.0
666	Mahasamund	Bagbahara	Maulimuda	82.43	21.01	7.9	314	0	159	14	11	6.72	0.7	110	36	5	28	0	17	0.0	0.0
667	Mahasamund	Mahasamund	Pasid	82.15	21.34	7.7	287	0	85	28	50	3.84	0.0	120	40	5	16	2	18	0.0	0.0
668	Mahasamund	Basna	Saraipali	83.01	21.32	7.8	482	0	244	28	19	8.64	0.6	240	32	38	13	1	15	0.0	0.0
669	Mahasamund	Bagbahara	Suarmar	82.50	20.97	7.9	313	0	159	14	11	6.72	0.7	110	32	7	27	0	18	0.0	0.0
670	Mahasamund	Bagbahara	Tendukonda	82.47	21.11	7.8	776	0	183	135	37	15.84	0.0	270	40	41	53	1	15	0.0	0.0
671	Mahasamund	Mahasamund	Tumgaon	82.12	21.19	7.9	193	0	73	18	18	6.72	0.0	80	20	7	13	0	4	0.0	0.0
672	Mahasamund	Basna	Mandalpur	82.92	21.49	7.6	436	0	256	14	1	9.6	0.3	190	56	12	25	0	5	0.0	0.0
673	Mahasamund	Saraipalli	Deori	82.73	21.27	7.7	410	0	232	21	0	3.84	0.7	150	44	10	33	2	12	0.0	0.0
674	Mahasamund	Bagbahara	Samhar	82.48	21.08	7.7	780	0	183	163	33	15.84	0.1	300	72	29	55	1	12	0.0	0.0
675	Mahasamund	Mahasamund	Boriyar	82.15	21.08	7.8	107	0	37	14	5	1.92	0.5	35	10	2	10	2	17	0.0	0.0
676	Mahasamund	Mahasamund	Jamli Nawadih	82.18	21.09	7.5	205	0	73	14	17	7.68	0.4	65	20	4	18	1	7	0.0	0.0
677	Raipur	Arang	Umaria station	81.87	21.20	8.0	413	0	226	14	12	9.6	0.4	175	64	4	24	1	9	0.0	0.0
678	Raipur	Arang	Ghodari (Ghorari)	82.03	20.17	7.6	603	0	244	50	12	28.8	0.2	250	84	10	25	2	12	0.0	0.0
679	Raipur	Aurang	Godhi	81.45	21.30	7.4	1350	0	342	163	78	66.72	0.0	460	116	41	35	80	17	0.0	0.0
680	Raipur	Abhanpur	Abhanpur	81.77	21.04	7.8	253	0	128	14	8	7.2	0.4	105	32	6	14	3	8	0.0	0.0
681	Raipur	Abhanpur	Bajrangpur	81.81	20.98	7.9	652	0	329	43	2	13.92	0.3	170	40	17	79	2	14	0.0	0.0
682	Raipur	Arang	Bhaisa	82.03	21.41	7.7	531	0	195	57	20	26.88	0.4	210	60	14	33	1	13	0.0	0.0
683	Raipur	Tilda	Biladi	81.78	21.57	7.7	765	0	293	57	63	5.76	0.0	320	84	26	27	1	16	0.0	0.0
684	Raipur	Tilda	Chicholi	81.87	21.47	7.8	940	0	232	121	54	58.56	0.0	380	124	17	38	4	19	0.0	0.0
685	Raipur	Dharsinwa	Chrauda	81.67	21.38	7.9	972	0	293	92	64	65.76	0.0	340	108	17	56	21	21	0.0	0.0
686	Raipur	Darsinwa	Devri	81.68	21.47	7.6	1568	0	451	191	66	69.6	0.0	570	144	50	87	2	22	0.0	0.0
687	Raipur	Dharsinwa	Dharsinwa	81.67	21.41	7.7	882	0	171	135	68	66.72	0.0	340	96	24	39	21	18	0.0	0.0
688	Raipur	Arang	Ghivera	81.98	21.37	7.5	1266	0	329	199	58	86.88	0.0	470	116	43	97	2	21	0.0	0.0
689	Raipur	Arang	Kanki	81.99	21.40	7.4	1360	0	378	156	47	73.92	0.2	550	172	29	43	2	22	0.0	0.0

690	Raipur	Tilda	Kharora	81.92	21.39	8.0	545	0	165	57	49	33.6	0.1	210	72	7	30	10	10	0.0	0.0
691	Raipur	Dharsinwa	Mandhar	81.71	21.35	7.9	633	0	232	50	37	41.76	0.0	285	80	20	23	1	15	0.0	0.0
692	Raipur	Dharsinwa	Mandirhasud	81.77	21.22	7.6	738	0	348	28	47	36	0.0	325	84	28	33	5	15	0.0	0.0
693	Raipur	Tilda	Math	81.90	21.40	7.4	1272	0	250	199	54	84	0.0	390	120	22	103	2	10	0.0	0.0
694	Raipur	Arang	Narra	81.89	21.26	7.6	782	0	195	113	53	17.76	0.5	320	88	24	27	0	8	0.0	0.0
695	Raipur	Palari	Palari	82.16	21.53	7.3	1102	0	329	177	25	42.72	0.6	400	84	46	86	3	9	0.0	0.0
696	Raipur	Tilda	Pandan Bhata	81.65	21.44	7.8	395	0	183	28	20	7.68	0.2	200	56	14	8	1	8	0.0	0.0
697	Raipur	Arang	Piparhatta	82.10	21.62	7.7	671	0	232	57	33	38.88	0.4	250	64	22	35	7	11	0.0	0.0
698	Raipur	Arang	Ranisagar	82.03	21.28	7.2	1264	0	268	199	51	88.8	0.0	410	120	26	103	2	10	0.0	0.0
699	Raipur	Tilda	Saragaon	81.81	21.37	7.8	471	0	232	28	14	15.84	0.0	225	80	6	14	5	15	0.0	0.0
700	Raipur	Dharsinwa	Semoriya	81.76	21.33	7.2	1255	0	220	206	51	81.6	0.0	370	116	19	101	2	13	0.0	0.0
701	Raipur	Tilda	Tarpongi	81.69	21.49	7.5	1190	0	293	142	64	74.88	0.2	490	128	41	29	12	14	0.0	0.0
702	Raipur	Abhanpur	Nawagaon	81.75	21.05	7.6	383	0	195	14	6	4.8	0.0	140	40	10	24	1	15	0.0	0.0
703	Baloda Bazar	Balodabazar	Bharseli(OW)	82.12	21.68	7.5	527	0	256	28	15	18.72	0.0	240	88	5	19	2	13	0.0	0.0
704	Baloda Bazar	Bhattapara	Bhattapara-d	81.95	21.73	7.7	1201	0	390	149	28	98.88	0.0	430	84	53	96	11	10	0.0	0.0
705	Dhamtari	Dhamtari	Dhamtari	81.55	20.71	7.9	224	0	98	14	7	15.84	0.0	85	20	8	17	2	12	0.0	0.0
706	Mahasamund	Bagbahara	Awaradabri	82.30	21.08	7.8	393	0	195	21	7	12.96	0.8	160	48	10	24	0	15	0.0	0.0
707	Mahasamund	Mahasamund	Sirpur	82.18	21.34	7.5	564	0	244	50	20	18.72	0.1	235	68	16	26	9	16	0.0	0.0
708	Balrampur	Rajpur	Alkadih	83.46	23.39	7.6	618	0	317	14	0	29.53	1.5	180	18	32	62	0	11	0.0	0.0
709	Balrampur	Shankargarh	Bachwar	83.58	23.30	7.4	438	0	214	21	0	20.06	0.7	210	40	26	9	1	21	0.0	0.0
710	Balrampur	Rajpur	Bhadar	83.51	23.33	7.8	939	0	238	109	56	60.82	0.8	365	28	71	42	3	16	0.0	0.0
711	Balrampur	Rajpur	Ghorghadi	83.46	23.34	7.3	314	0	140	14	12	30.94	0.9	130	28	14	19	2	32	0.0	0.0
712	Balrampur	Rajpur	Karji new	83.35	23.31	7.6	512	0	262	14	0	13.3	0.8	165	22	26	38	2	17	0.0	0.0
713	Balrampur	Rajpur	Makanpur	83.32	23.41	7.1	251	0	61	32	38	4.21	0.4	90	24	7	16	2	26	0.0	0.0
714	Balrampur	Balrampur	Pasta	83.53	23.45	7.5	464	0	146	42	35	31.35	0.5	180	36	22	24	3	15	0.0	0.0
715	Balrampur	Rajpur	Rajpur	83.40	23.34	7.4	385	0	128	28	27	25.56	0.4	175	34	22	13	1	31	0.0	0.0
716	Balrampur	Shankargarh	Sargaoa	83.56	23.31	7.5	351	0	104	46	18	16.03	0.5	145	30	17	21	2	13	0.0	0.0
717	Balrampur	Wadrafnagar	Wadrafnagar	83.20	23.77	7.3	442	0	43	74	52	9.96	0.3	115	16	18	35	5	13	0.0	0.0
718	Balrampur	Rajpur	Karji	83.05	23.22	7.0	467	0	73	77	48	8.46	0.4	175	46	14	20	3	24	0.0	0.0
719	Balrampur	Rajpur	Chilamkala	83.22	23.40	7.6	310	0	134	25	0	12.15	0.6	120	28	12	19	1	20	0.0	0.0
720	Balrampur	Rajpur	Parsagudi	83.01	23.40	7.4	197	0	61	21	19	8.69	0.6	60	14	6	18	1	22	0.0	0.0

721	Balrampur	Rajpur	Bario	83.18	23.26	7.4	295	0	116	21	9	22.54	0.7	110	26	11	24	0	21	0.0	0.0
722	Korba	Podi	Gurasia	82.53	22.66	8.0	609	0	244	39	23	51.93	0.6	165	30	22	64	2	14	0.0	0.0
723	Korba	Podi	Korbi	82.44	22.85	7.4	437	0	220	21	0	14.45	0.6	80	18	8	57	2	12	0.0	0.0
724	Korba	Podi-Uproda	kurtha (new)	82.45	22.93	7.5	292	0	128	28	0	8.96	0.4	115	28	11	17	1	17	0.0	0.0
725	Korba	Podi-Uproda	Lamne	82.54	23.02	7.2	891	0	366	63	10	46.42	0.9	270	32	46	69	1	18	0.0	0.0
726	Korba	Podi	Morga	82.66	22.75	7.6	531	0	238	32	0	39.8	0.9	195	24	32	32	1	26	0.0	0.0
727	Korba	Podi	Nawapara(Chotia)	82.49	22.77	6.9	195	0	18	28	44	5.3	0.3	70	16	7	8	8	13	0.0	0.0
728	Korba	Podi	Podi-Uproda	82.56	22.59	7.5	697	0	232	95	0	27.95	0.8	335	76	35	16	2	11	0.0	0.0
729	Koriya	Khadgaowan	Akhradand	82.25	23.20	7.7	1092	0	433	84	39	71.59	0.3	440	128	29	50	32	21	0.0	0.0
730	Koriya	Bharatpur (Janakpur)	Ara	81.76	23.59	7.2	289	0	67	21	0	9.85	0.3	85	18	10	5	4	10	0.0	0.0
731	Koriya	Bharatpur (Janakpur)	Baharsi.1	81.85	23.61	7.8	252	0	171	14	0	4.15	0.7	150	34	16	6	3	11	0.0	0.0
732	Koriya	Baikunthpur	Baikunthpur	82.55	23.26	6.9	130	0	24	18	14	6.94	0.0	50	10	6	3	5	14	0.0	0.0
733	Koriya	Khadgawan	Banjaridand	82.45	23.17	6.9	1727	0	159	81	0	537.7	0.0	790	254	37	29	0	7	0.0	0.0
734	Koriya	Manendragarh	Belbehra	82.27	23.29	7.5	366	0	195	21	0	12.34	0.0	130	30	13	29	1	18	0.0	0.0
735	Koriya	Manendragarh	Biharpur	82.24	23.40	7.4	646	0	281	56	0	22.33	1.5	140	36	12	82	1	16	0.0	0.0
736	Koriya	Sonhat	Bikrampur	82.48	23.45	7.1	121	0	61	11	0	3.91	0.1	60	14	6	3	2	15	0.0	0.0
737	Koriya	Manendragarh	Chainpur	82.15	23.22	7.1	110	0	37	18	0	6.66	0.1	55	12	6	3	2	7	0.0	0.0
738	Koriya	Baikunthpur	Chharcha Basti	82.31	23.35	6.9	338	0	98	35	6	37.96	0.6	115	32	8	30	4	7	0.0	0.0
739	Koriya	Khadgawan	Chirmiri	82.34	23.22	7.5	251	0	116	21	0	10.11	0.1	125	30	12	6	0	14	0.0	0.0
740	Koriya	Bharatpur (Janakpur)	Chutki	81.95	23.57	7.4	303	0	116	42	0	4.42	0.2	145	42	10	5	1	13	0.0	0.0
741	Koriya	Manendragarh	Dodki	82.01	23.45	7.1	125	0	31	14	5	3.32	0.1	45	8	6	2	2	11	0.0	0.0
742	Koriya	Manendragarh	Garundol	82.30	23.38	7.3	412	0	226	14	0	10.92	0.3	175	40	18	17	3	10	0.0	0.0
743	Koriya	Baikunthpur	Ghugra	82.52	23.40	7.3	224	0	104	14	29	3.17	0.2	125	34	10	4	1	12	0.0	0.0
744	Koriya	Baikunthpur	Girjapur	82.72	23.30	6.8	92	0	31	7	13	3.89	0.0	35	8	4	3	4	11	0.0	0.0
745	Koriya	Baikunthpur	Jamgahana	82.62	23.30	7.8	479	0	220	14	0	26.28	1.1	220	42	28	0	0	13	0.0	0.0
746	Koriya	Khadgawan	Jilda	82.48	23.05	7.7	544	0	214	39	2	51.75	0.2	250	68	19	20	3	12	0.0	0.0
747	Koriya	Sonhat	kailashpur	82.48	23.35	7.6	1211	0	268	123	63	82.68	0.2	380	118	20	78	1	20	0.0	0.0
748	Koriya	Manendragarh	Kelhari	82.05	23.42	6.8	115	0	43	14	10	4.04	0.5	60	20	2	4	1	6	0.0	0.0
749	Koriya	Khadgawan	Khadgawan	82.38	23.12	6.7	104	0	31	7	19	3.31	0.9	50	10	6	3	0	16	0.0	0.0

750	Koriya	Khadgawan	Khadgaon	82.38	23.11	7.3	1079	0	189	147	73	78.41	0.4	340	72	38	87	3	49	0.0	0.0
751	Koriya	Baikunthpur	Khatgori	82.53	23.37	7.4	231	0	67	46	6	10.41	0.1	90	24	7	23	2	10	0.0	0.0
752	Koriya	Baikunthpur	Khodri	82.48	23.41	7.4	210	0	104	18	8	4.14	0.0	105	32	6	4	3	17	0.0	0.0
753	Koriya	Manendragarh	Manendragarh	82.21	23.22	7.0	161	0	24	21	4	60.77	0.0	80	8	14	11	5	4	0.0	0.0
754	Koriya	Baikunthpur	Mansukha	82.49	23.23	7.0	739	0	171	67	67	93.29	0.6	330	90	25	29	0	30	0.0	0.0
755	Koriya	Baikunthpur	Mohra	82.63	23.30	7.2	772	0	256	91	15	45.1	0.1	355	62	48	22	2	62	0.0	0.0
756	Koriya	Baikunthpur	Nagar (Station)	82.36	23.39	7.6	749	0	226	81	2	56.7	1.0	260	60	26	52	1	25	0.0	0.0
757	Koriya	Baikunthpur	Nagar(Tilwandar)	82.44	23.31	7.8	368	0	183	28	1	12.82	0.2	95	24	8	52	1	15	0.0	0.0
758	Koriya	Manendragarh	Nagpur	82.32	23.28	7.8	513	0	171	63	0	23.29	1.5	30	10	1	101	0	10	0.0	0.0
759	Koriya	Baikunthpur	Patan	81.19	23.50	7.5	538	0	153	74	3	44.8	0.2	185	42	19	39	5	41	0.0	0.0
760	Koriya	Baikunthpur	Patrapali	82.57	23.22	7.4	341	0	140	21	0	37.65	0.2	145	42	10	17	0	17	0.0	0.0
761	Koriya	Manendragarh	Pendri	82.26	23.35	7.5	243	0	85	21	0	22.39	0.2	95	16	13	13	3	6	0.0	0.0
762	Koriya	Manendragarh	Piparia	82.25	23.27	7.5	582	0	256	46	1	22.81	0.9	90	20	10	98	1	16	0.0	0.0
763	Koriya	Khadgaowan	podidih	82.09	23.03	7.9	531	0	177	42	65	26.03	0.6	215	48	23	31	2	21	0.0	0.0
764	Koriya	Khadgawan	Pouri	82.50	23.04	8.0	477	0	128	63	45	14.62	0.3	150	32	17	42	1	17	0.0	0.0
765	Koriya	Baikunthpur	Ranai	82.70	23.28	8.0	443	0	165	53	5	25.3	0.1	145	30	17	47	1	17	0.0	0.0
766	Koriya	Manendragarh	Rojhi	81.97	23.48	7.7	322	0	122	35	19	15.61	0.4	145	44	8	14	5	8	0.0	0.0
767	Koriya	Manendragarh	Sarbhoka	82.36	23.25	8.0	566	0	311	21	0	11.74	0.2	150	36	14	78	3	19	0.0	0.0
768	Koriya	Sonhat	Sonhat	82.52	23.48	7.4	436	0	67	60	59	28.03	0.2	145	30	17	38	8	19	0.0	0.0
769	Koriya	Manendragarh	Tarabahara	82.18	23.41	7.7	941	0	177	133	59	68.27	0.2	230	56	22	110	20	6	0.0	0.0
770	Koriya	Baikunthpur	Tengni	82.74	23.32	8.0	1166	0	189	189	1	99.06	1.5	545	152	40	9	11	22	0.0	0.0
771	Koriya	Manendragarh	Tilokhan	81.98	23.48	7.8	196	0	37	28	40	7.47	0.0	60	8	10	25	2	10	0.0	0.0
772	Koriya	Manendragarh	Ujiyarpur	82.41	23.31	8.0	325	0	171	18	0	7.03	0.1	100	24	10	29	1	6	0.0	0.0
773	Koriya	Manendragarh	Shripur	82.03	23.44	8.0	301	0	165	14	4	7.03	0.0	155	32	18	5	1	14	0.0	0.0
774	Koriya	Sonhat	Mendrakala	82.51	23.52	7.8	102	0	18	32	0	3.93	0.1	35	8	4	12	2	12	0.0	0.0
775	Surajpur	Prem nagar	Katarouli (Harrapara)	82.56	22.58	7.4	124	0	31	7	29	3.46	0.0	50	12	5	3	2	12	0.0	0.0
776	Surajpur	Premnagar	Abhaypur	82.73	22.91	7.4	398	0	183	21	8	3.46	0.0	170	56	7	4	9	18	0.0	0.0
777	Surajpur	Pratappur	Banshipur	82.73	23.25	7.4	138	0	79	18	0	5.56	0.2	85	20	8	3	3	15	0.0	0.0
778	Surajpur	Pratappur	Bhediya	83.16	23.59	7.6	241	0	122	14	6	24.5	0.0	115	24	13	17	1	16	0.0	0.0
779	Surajpur	Bhaiyathan	Chainpur	82.85	23.39	7.9	521	0	201	46	1	48.03	1.8	125	30	12	77	1	13	0.0	0.0

780	Surajpur	Bhaiyathan	Dalabahara (Bhaskar)	82.69	23.40	7.5	285	0	183	18	0	4.5	0.1	160	24	24	7	3	11	0.0	0.0
781	Surajpur	Pratappur	Dawankera	82.91	23.41	7.4	264	0	85	18	20	10.14	0.3	85	8	16	13	2	27	0.0	0.0
782	Surajpur	Pratappur	Karajwar	83.10	23.51	7.4	183	0	24	35	37	3.98	0.4	60	16	5	23	1	38	0.0	0.0
783	Surajpur	Bhaiyathan	Khandapara	82.65	23.35	7.5	1765	0	500	266	1	49.8	0.1	285	52	37	265	7	14	0.0	0.0
784	Surajpur	Surajpur	Narayanpur	82.64	23.19	7.8	256	0	98	21	0	7.56	0.2	100	24	10	5	4	13	0.0	0.0
785	Surajpur	Pratappur	Podi	83.62	23.40	7.7	313	0	79	32	41	18.45	0.2	105	28	8	33	1	36	0.0	0.0
786	Surajpur	Surajpur	Surajpur	82.37	23.18	7.6	444	0	153	53	26	13.42	0.2	185	34	24	15	1	35	0.0	0.0
787	Surajpur	Pratappur	Dwarikanagar	83.19	23.29	7.8	99	0	37	11	0	3.95	0.2	35	10	2	4	3	8	0.0	0.0
788	Surajpur	Ramanujnagar	Jagatpur Podipara	82.66	23.09	7.5	364	0	146	28	4	28.59	0.2	120	36	7	36	5	11	0.0	0.0
789	Surajpur	Surajpur	Krishnapur (kalwa)	82.82	23.24	7.3	318	0	122	32	25	6.45	0.6	135	42	7	18	1	10	0.0	0.0
790	Surajpur	Bhaiyathan	Samouli (Bhayathan)	82.77	23.42	7.4	201	0	79	21	18	9.92	0.2	75	20	6	22	1	9	0.0	0.0
791	Surajpur	Premnagar	Shivnagar	82.79	22.88	7.3	96	0	37	7	1	3.51	1.0	40	8	5	2	5	2	0.0	0.0
792	Surajpur	Surajpur	Badsara	82.77	23.34	7.4	392	0	134	49	18	13.49	0.2	175	54	10	18	2	10	0.0	0.0
793	Surajpur	Surajpur	Biharpur	82.92	23.27	7.2	73	0	18	7	12	4.45	1.3	30	8	2	5	2	26	0.0	0.0
794	Surajpur	Surajpur	Bishrampur	82.99	23.19	7.1	256	0	49	39	26	18.22	0.8	85	24	6	20	8	24	0.0	0.0
795	Surajpur	Pratappur	Chandora	83.16	23.51	7.5	356	0	226	14	3	12.89	0.2	140	42	8	35	1	10	0.0	0.0
796	Surajpur	Pratappur	Darhora	82.83	23.44	7.8	321	0	110	28	23	18.95	0.7	135	38	10	17	1	12	0.0	0.0
797	Surajpur	Surajpur	Deonagar	82.80	23.24	7.5	730	0	92	140	0	76.77	1.5	30	8	2	165	1	15	0.0	0.0
798	Surajpur	Premnagar	Fulkona	82.67	23.03	7.3	656	0	189	46	43	40.14	0.0	290	62	32	5	2	24	0.0	0.0
799	Surajpur	Ramanujnagar	Ganeshpur	82.64	23.08	7.3	747	0	171	102	20	21.38	0.1	180	48	14	53	1	28	0.0	0.0
800	Surajpur	Pratappur	Gonda	83.06	23.43	7.5	95	0	31	7	0	5.82	0.7	35	8	4	2	2	0	0.0	0.0
801	Surajpur	Premnagar	Hanumangarh	82.65	23.06	7.3	290	0	128	21	10	11.97	0.5	125	24	16	18	0	9	0.0	0.0
802	Surajpur	Pratappur	Jagannathpur	83.20	23.38	7.5	723	0	299	39	0	49.96	0.9	215	24	37	62	10	20	0.0	0.0
803	Surajpur	Surajpur	Jaynagar	82.97	23.18	7.7	485	0	92	56	47	43.38	0.9	200	52	17	9	3	10	0.0	0.0
804	Surajpur	Surajpur	Kaliyanpur	83.20	23.25	7.7	150	0	31	28	20	5.17	1.0	60	16	5	7	8	7	0.0	0.0
805	Surajpur	Surajpur	Kanakpur	83.06	23.19	7.4	117	0	55	21	0	5.8	1.1	65	10	10	6	7	8	0.0	0.0
806	Surajpur	Surajpur	Majeera	82.95	23.15	7.3	145	0	55	25	2	9.72	1.5	70	20	5	8	6	9	0.0	0.0
807	Surajpur	Surajpur	Pachira	82.80	23.19	7.7	655	0	238	77	3	37.74	1.2	115	24	13	111	4	12	0.0	0.0
808	Surajpur	Ramanujnagar	Parasrampur	82.79	23.08	7.8	281	0	49	21	67	7.75	1.2	115	28	11	2	4	32	0.0	0.0
809	Surajpur	Pratappur	Pratappur	83.20	23.48	7.6	343	0	134	35	3	24.08	0.7	115	24	13	33	2	20	0.0	0.0

810	Surajpur	Premnagar	Premnagar	82.70	22.97	7.5	533	0	171	70	20	25.63	1.3	195	42	22	36	1	17	0.0	0.0
811	Surajpur	Ramanujnagar	Ramanuj nagar	82.73	23.15	7.5	529	0	183	67	3	19.31	0.4	175	42	17	52	1	19	0.0	0.0
812	Surajpur	Pratappur	Reonti	83.18	23.65	7.8	384	0	177	35	0	14.39	0.2	170	34	20	16	10	12	0.0	0.0
813	Surajpur	Surajpur	Sirsi	82.86	23.35	7.2	245	0	85	25	26	4.63	0.5	90	24	7	21	1	26	0.0	0.0
814	Surajpur	Pratappur	Songara	83.08	23.30	7.1	102	0	18	18	24	4.9	0.9	40	10	4	6	6	9	0.0	0.0
815	Surajpur	Premnagar	Tara	82.74	22.84	7.2	154	0	37	21	43	9.59	0.0	80	16	10	8	9	8	0.0	0.0
816	Surajpur	Surajpur	Newara	82.57	23.30	7.0	195	0	79	18	22	7.2	0.1	55	14	5	30	2	8	0.0	0.0
817	Surajpur	Bhaiyathan	Satipara (Bhaingamunda)	82.61	23.20	7.5	793	0	73	189	0	39.06	0.8	298	78	25	38	1	30	0.0	0.0
818	Surajpur	Pratappur	Dhondha	83.18	23.64	7.5	651	0	220	98	2	4.39	0.1	200	38	25	45	22	5	0.0	0.0
819	Surajpur	Surajpur	Madanpur	83.09	23.16	7.6	99	0	24	7	24	4.01	0.9	25	8	1	9	9	6	0.0	0.0
820	Surajpur	Pratappur	Chanchidand	83.22	23.80	7.5	251	0	61	32	43	4.99	0.2	80	22	6	27	2	11	0.0	0.0
821	Surajpur	Pratappur	Dharampur	83.20	23.20	7.4	89	0	12	4	12	21.75	0.2	25	8	1	5	6	1	0.0	0.0
822	Surajpur	Pratappur	Durti	83.03	23.39	7.5	97	0	18	7	24	10.48	0.2	40	10	4	4	7	1	0.0	0.0
823	Surguja	Ambikapur	Ambikapur	83.20	23.11	7.2	586	0	226	49	19	0.28	0.6	155	10	31	58	8	12	0.0	0.0
824	Surguja	Lundra	Amdih	83.41	23.23	7.7	348	0	189	14	5	22.55	0.5	190	18	35	5	1	14	0.0	0.0
825	Surguja	Lakhanpur	Amgachi	83.01	22.95	7.5	322	0	134	35	0	10.45	0.4	110	34	6	29	3	21	0.0	0.0
826	Surguja	Mainpat	Amgaon	83.30	22.92	7.5	590	0	299	7	0	4.81	0.2	220	46	25	26	1	12	0.0	0.0
827	Surguja	Ambikapur	Baghima	83.31	23.24	7.6	387	0	183	28	2	14.44	0.1	185	38	22	10	2	15	0.0	0.0
828	Surguja	Batauli	Bandana	83.41	22.85	8.0	178	0	98	4	7	5.56	0.1	75	18	7	9	2	17	0.0	0.0
829	Surguja	Batauli	Batauli (Kunkurikala)	83.41	22.97	7.9	147	0	55	25	3	10.01	0.2	65	16	6	13	1	14	0.0	0.0
830	Surguja	Batauli	Belkota	83.39	23.02	7.9	240	0	67	14	21	20.38	0.5	90	6	18	5	4	11	0.0	0.0
831	Surguja	Lundra	Bulga	83.35	23.10	8.0	455	0	110	53	7	25.65	1.0	175	42	17	18	1	12	0.0	0.0
832	Surguja	Ambikapur	Chatakpur	83.22	22.97	7.7	291	0	55	18	36	20.04	0.1	90	2	20	15	0	15	0.0	0.0
833	Surguja	Udeypur	Dandgaon	82.86	22.90	8.1	240	0	79	11	0	8.53	0.5	65	20	4	15	0	6	0.0	0.0
834	Surguja	Ambikapur	Darima	83.23	23.00	7.8	149	0	24	11	27	8.12	0.2	55	16	4	6	2	5	0.0	0.0
835	Surguja	Lundra	Dhaurpur	83.44	23.20	7.9	395	0	128	11	9	9.41	0.5	125	14	22	3	2	6	0.0	0.0
836	Surguja	Udaypur	Jajga	82.78	22.94	8.1	406	0	189	28	1	12.31	1.0	90	8	17	48	1	11	0.0	0.0
837	Surguja	Mainpat	Kamleswarpur	83.29	22.83	7.7	165	0	55	14	3	6.54	0.4	65	24	1	3	0	9	0.0	0.0
838	Surguja	Ambikapur	Katkalo	83.21	23.06	7.9	416	0	98	39	23	20.27	0.0	155	16	28	14	1	31	0.0	0.0
839	Surguja	Lakhanpur	Kunni	83.07	22.87	7.9	332	0	79	21	33	6.13	0.2	105	18	14	17	0	25	0.0	0.0

840	Surguja	Lakhanpur	Lakhanpur	83.04	22.98	7.8	416	0	85	56	5	48.8	0.4	160	44	12	30	1	27	0.0	0.0
841	Surguja	Lundra	Lundra	83.41	23.12	7.7	275	0	55	21	22	19	0.6	100	16	14	9	1	20	0.0	0.0
842	Surguja	Mainpat	Nagdand	83.29	22.90	7.7	73	0	12	7	20	5.89	0.1	35	6	5	3	2	4	0.0	0.0
843	Surguja	Ambikapur	Nawapara	83.26	22.95	8.0	379	0	110	21	15	20.82	0.2	115	22	14	20	0	31	0.0	0.0
844	Surguja	Ambikapur	Parsa	83.27	23.19	7.8	671	0	146	46	27	51.5	0.1	240	58	23	15	0	23	0.0	0.0
845	Surguja	Sitapur	Pratapgarh	83.48	22.73	7.8	894	0	220	91	70	41.98	0.4	320	72	34	45	1	25	0.0	0.0
846	Surguja	Ambikapur	Rajpurikhurd	83.25	23.16	7.6	528	0	116	42	61	44.06	0.1	240	58	23	8	6	23	0.0	0.0
847	Surguja	Batauli	Sedam	83.30	22.94	7.8	211	0	73	25	21	9.26	0.1	100	26	8	8	0	16	0.0	0.0
848	Surguja	Lakhanpur	singhitana	82.96	23.00	7.6	214	0	110	14	1	11.77	0.5	95	22	10	9	1	16	0.0	0.0
849	Surguja	Lundra	Sisila	83.38	23.03	7.7	302	0	116	28	0	13.95	0.2	130	28	14	15	1	23	0.0	0.0
850	Surguja	Sitapur	Sitapur	83.10	22.91	7.5	510	0	110	74	8	27.87	0.2	150	32	17	39	5	18	0.0	0.0
851	Surguja	Sitapur	Sontarai (Sitapur)	83.48	22.80	7.6	113	0	18	4	44	5.79	0.1	40	12	2	8	0	26	0.0	0.0
852	Surguja	Lundra	Sumerpur	83.05	22.98	7.5	381	0	98	32	6	31.6	1.0	125	24	16	20	9	5	0.0	0.0
853	Surguja	Ambikapur	Gangapur	83.08	23.28	7.6	382	0	98	32	21	9.83	0.1	105	24	11	20	9	7	0.0	0.0
854	Surguja	Udeypur	Udaipur	82.95	22.91	7.6	150	0	18	4	53	7.2	0.1	60	16	5	6	3	11	0.0	0.0
855	Surguja	Lakhanpur	Udaipur Dhah	83.10	23.06	7.3	302	0	85	18	41	11.56	0.6	115	28	11	15	6	25	0.0	0.0
856	Surguja	Lakhanpur	Rajakatel	83.04	22.92	7.7	442	0	98	39	59	15.08	0.8	180	44	17	18	0	22	0.0	0.0