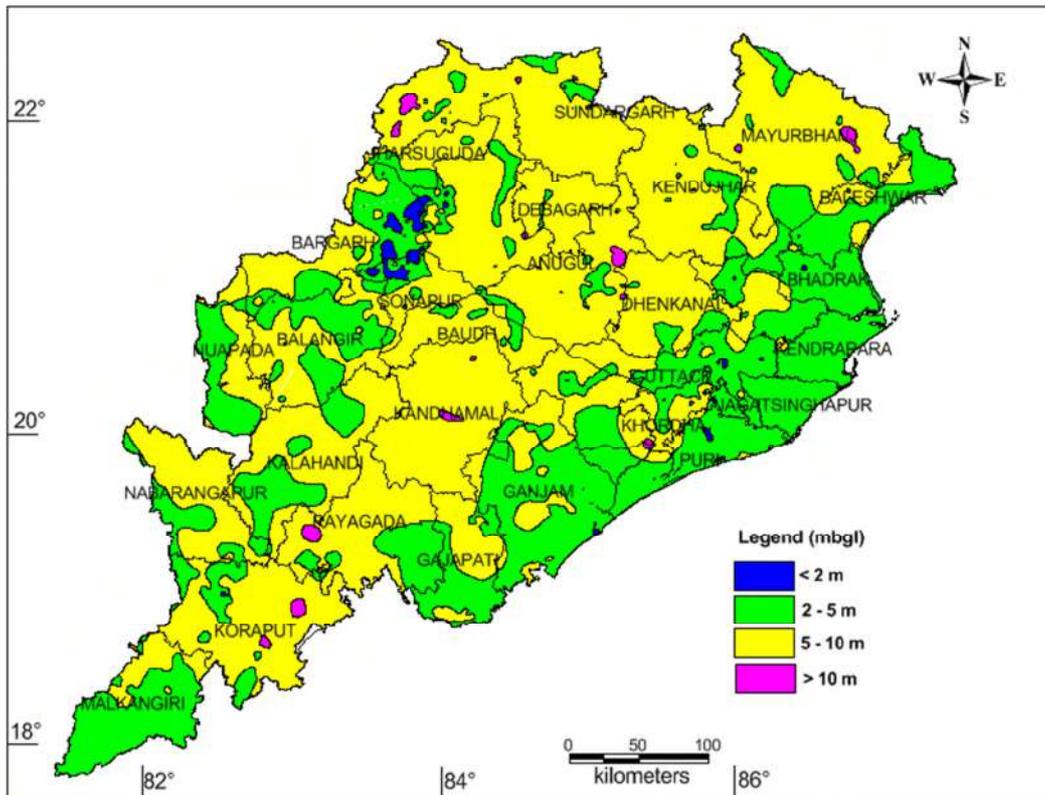


Govt. of India
Ministry of Jal Shakti
Department of Water Resources,
River Development & Ganga Rejuvenation
CENTRAL GROUND WATER BOARD



**GROUND WATER YEAR BOOK
2020-2021**



**South Eastern Region
Bhubaneswar
JUNE 2021**

FOREWORD

Groundwater is a major natural replenishable resource to meet the water requirement for irrigation, domestic and industrial needs. It plays a key role in the agrarian economy of the state. Though richly endowed with various natural resources, the state of Odisha has a long way to go before it can call itself developed. Being heavily dependent on rain fed agriculture; the state is very often exposed to vagaries of monsoon like flood and drought. The importance of groundwater in mitigating the intermittent drought condition of a rain-fed economy cannot be over emphasized.

To monitor the effect caused by indiscriminate use of this precious resource on groundwater regime, Central Ground Water Board, South Eastern Region, Bhubaneswar has established about 1600 National Hydrograph Network Stations (NHNS) (open / dug wells) and piezometres in the state of Odisha. The water levels are being monitored four times a year. Besides, to study the change in chemical quality of groundwater in time and space, the water samples from these NHNS are being collected once a year (Pre-monsoon) and analysed in the Water Quality Laboratory of the Region. The data of both water level and chemical analysis are being stored in computers using industry standard Relational Database Management System (RDBMS) like Oracle and MS SQL Server. This is very essential for easy retrieval and long-term sustainability of data.

Dissemination of technical information in a way that is very useful to the user agencies is an important aspect that plays a vital role in the safe and optimal development of groundwater resources of our country. As an effort in this direction, Central Ground Water Board is bringing out "Groundwater Year Book" each year. The present report contains the observations and results of water levels in the state of Odisha for the year 2020 (April) - 2021 (January). It is sincerely hoped that this report will be immensely useful to various user agencies, Engineers, Scientists, Administrators, Planners and others involved in groundwater planning, development and management.

The present compilation is outcome of commendable efforts put in by **Smt. Sandhya Mohapatra Scientist-D and Ms Purba Bera, Scientist-B**. The maps included in the reports have been computer generated by them using sophisticated GIS software like MapInfo Professional and dedicated software GEMS. Water level monitoring and water sampling was carried out by the officers of the Region. The analysis of the water sample was done by Sh B.B Sahoo, Scientist D and Sh B N Dehury, Asst Chemist following the standard operating procedures and Ground Water quality for the state of Odisha has been compiled by **Sh B N Dehury, Asst Chemist**. Their efforts are also thankfully acknowledged.

Bhubaneswar

**(P K MOHAPATRA)
REGIONAL DIRECTOR**

EXECUTIVE SUMMARY

The State of Odisha spreading over an area of 1,55,707 sq. Km is bounded between North latitude 17°49' to 22°34' and East longitude 81°24' to 87°29'. Success of agricultural operations and consequent economy of the state are related to the availability of water and its optimal utilization.

The average annual rainfall of the state is 1482 mm. Nearly 86% of the annual rainfall is contributed by the southwest monsoon. From the departure data it is discerned that from 1980 to 2020, negative departures is seen in most of the years.

The state is underlain by diversified rock types which range in age from Precambrian to the Cenozoic age. The Precambrians occupy nearly 80% of the total geological area of the state.

A total number of 1600 Hydrograph Network Stations have so far been established and are being monitored in the state.

During April 2020, the water level (meter below ground level) in the state varies from minimum of 0.04 mbgl in Cuttack district to a maximum of 14.17 mbgl in Koraput district and water levels mostly range from 2 to 10 mbgl. Some wells in the hilly districts recorded water level in 10-20 m range.

During August 2020, the depth to water level ranges from 0.02 mgbl in Khordha district to 15.1 in mbgl in khordha district and in majority (62.44%) of NHS wells level was in the range of 0-2 m below ground level and 33.52% of wells in 2-5 m below ground level.

During November 2020, the depth to water level ranges from 0.01 mbgl in Nayagarh district to 12.76 mbgl in Koraput district and in majority (44.06%) of NHS wells level was in the range of 0-2 m below ground level and 47.64% of wells in 2-5 m below ground level. In general the water level in the state during November 2020 monitoring is found in the range of 0-2 m bgl especially in the coastal stretch and in parts of the hilly terrain, whereas 2-5 m bgl water level is found in the coastal and hard rock terrain.

During January 2021, the depth to water level ranges from 0.03 to 17.03 mbgl and in majority (60.21%) of NHS wells level was in the range of 2-5 m below ground level and 20.43% of wells in 0-2 m below ground level. In general the water level in the state during January 2021 monitoring is found in the range of 2-5 m bgl, whereas 0-2 m bgl water level is found in the coastal and command areas in the state.

The comparison of April 2020 water level with that of the same period of the previous year shows that 31.64%, 2.02% and 0.16% of the total NHS wells recorded rise in water level in the range of 0-2, 2-4 and more than 4m respectively. Similarly, 56.22%, 7.32%, 0.84% recorded fall in water level in the range of 0-2, 2-4 and more than 4m respectively.

The comparison of August 2020 water level with that of the same period of the previous year shows 22.27%, 1.3%, 0.55% of the total NHS wells recorded rise in water level in the range of 0-2, 2-4 and more than 4m

respectively. Similarly, 57.71%, 5.2% recorded fall in water level in the range of 0-2, 2-4 respectively and 0.46% recorded more than 4m.

The comparison of November 2020 water level with that of the same period of the previous year shows that 50.43%, 2.97%, 0.47% of the total NHS wells recorded rise in water level in the range of 0-2, 2-4 and more than 4m respectively. Similarly, 41.34%, 1.92%, 0.08% recorded fall in water level in the range of 0-2, 2-4 and more than 4m respectively.

The comparison of January 2021 water level with that of the same period of the previous year shows that 31.83%, 1.41%, 0.39% of the total NHS wells recorded rise in water level in the range of 0-2, 2-4 and more than 4m respectively. Similarly, 61.22%, 2.91%, 0.23% recorded fall in water level in the range of 0-2, 2-4 and more than 4m respectively.

A comparison of August 2020 water level with that of April 2020 shows that 25.76%, 44.05%, 29.79 % of the total NHS wells recorded rise in water level in the range of 0-2, 2-4 and more than 4m respectively. Similarly only 0.39%, 0% and 0% recorded fall in water level in the range of 0-2, 2-4 and more than 4m respectively.

A comparison of November 2020 water level with that of April 2020 shows that 36.53 %, 42.25 %, 18.72 % of the total NHS wells recorded rise in water level in the range of 0-2, 2-4 and more than 4m respectively. Similarly only 2.3% , 0.09 % and 0 % recorded fall in water level in the range of 0-2, 2-4 and more than 4m respectively.

A comparison of January 2021 water level with that of April 2020 shows that 56.54%, 27.83%, 5.93 % of the total NHS wells recorded rise in water level in the range of 0-2, 2-4 and more than 4m respectively. Similarly only 9.16%, 0.34% and 0% recorded fall in water level in the range of 0-2, 2- 4 and more than 4m respectively.

The comparison of April 2020 water level with that of the decadal mean of the corresponding period shows that 44.23%, 0% and 0.08% of the total NHS wells recorded rise in water level in the range of 0-2, 2-4 and more than 4m respectively. Similarly, 45.5%, 2.78% and 0.32% recorded fall in water level in the range of 0-2, 2-4 and more than 4m respectively. Similarly, 45.4%, 0.08% and 0% recorded fall in water level in the range of 0-2, 2-4 and more than 4m respectively.

The comparison of August 2020 water level with that of the decadal mean of the corresponding period shows that 54.81%, 2.25% and 0.18% of the total NHS wells recorded rise in water level in the range of 0-2, 2-4 and more than 4m respectively. Similarly, 39.24%, 1.26% and 0.09% recorded fall in water level in the range of 0-2, 2-4 and more than 4m respectively.

The comparison of November 2020 water level with that of the decadal mean of the corresponding period shows that 63.46%, 3.87% and 0.48 % of the total NHS wells recorded rise in water level in the range of 0-2, 2-4 and more than 4m respectively. Similarly, 30.24%, 1.61 % and 0.24% recorded fall in water level in the range of 0-2, 2-4 and more than 4m respectively.

The comparison of January 2021 water level with that of the decadal mean of the corresponding period shows that 54.64%, 4.49% and 0.67% of the total NHS wells recorded rise in water level in the range of 0-2, 2-4 and

more than 4m respectively. Similarly, 37.93%, 1.72% and 0.37% recorded fall in water level in the range of 0-2, 2-4 and more than 4m respectively.

The shallow aquifers of inland zone of the state are mostly fresh and dominated by Ca-Mg-HCO₃ and mixed types of water. In the coastal plain where most of the wells are located in alluvium, the water is relatively saline. The shallow aquifers of the coastal plain are of NaHCO₃ type with some isolated patches of NaCl and Ca-Mg-HCO₃ types, which may be due to Base Exchange process and also due to the vicinity of the sea. These aquifers, at places, are of high Electrical Conductivity and high Chloride, Nitrate, and Fluoride content.

GROUND WATER YEAR BOOK 2020 – 2021

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GROUND WATER YEAR BOOK **(2020 - 2021)**

1.0 INTRODUCTION

The State of Odisha with a geographical area of 1,55,707 sq. km is bounded between North latitudes 17° 49' and 22° 34' and East longitudes 81° 24' and 87° 29'. The State comprises of 3 revenue divisions, 30 districts, 58 subdivisions and 314 community development blocks. The state's population largely depends on agriculture. Success of agricultural operations and the consequent agrarian economy of the state are dependent on the availability of water and its optimal utilization. The total population of the state as per 2011 census is 419.73 lakhs, out of which the rural population is 349.70 lakhs and the urban population is 70.03 lakhs. The rural population is almost dependent on agriculture for their livelihood and the agriculture on availability of water. A consistent ground water database is inevitable for planning of judicious and optimal utilization of ground water through an efficient resource management system for which the prerequisite is a reliable monitoring system.

Keeping this perspective in view, Central Ground Water Board carries out the ground water monitoring through a network of observation wells - the National Hydrograph Network Stations. The National Hydrograph stations set-up is a system of spatially distributed observation points for ground water regime monitoring at which periodic monitoring is carried out viz. recording of water levels, temperature and collection of water samples for chemical quality analysis for building a robust database to cater to multitude of needs for ground water management.

Groundwater monitoring data so collected forms an important input for water management. One of the main objectives is the prediction of future conditions or future scenarios, based on background samples of historical data, which may consist of repeated measurements from a single monitoring well. Also the monitoring is being carried out with a view to observe the rise or fall of the ground water levels and change in quality of water with changing stress conditions.

The studies include periodic measurement of water levels, temperature, and collection of water samples for determination of chemical constituents. Apart from evaluation of groundwater resources from time to time for developmental planning, this also helps in forecasting groundwater regime behaviour with progressive development of groundwater or effects of other recharge or discharge conditions, which helps in adopting remedial measures when necessitated.

For achieving these objectives 1600 nos. of observation wells have so far been established all over the state by CGWB, to serve as permanent Hydrograph Network Stations for the purpose of monitoring of groundwater

regime. In selecting hydrograph stations due consideration has been given to the hydrogeological, hydrochemical aspects and their location in river Basin/ Sub basin/ Watershed etc.

To strengthen the water level monitoring network and to avoid the possibility of dug wells used as NHNS being filled up due to extraneous activities, some purpose built piezometer have been constructed by the Central Ground Water Board under its normal activities as well as under World Bank Aided Hydrology Project. In course of time it is proposed to replace all the dug wells used as observation wells with piezometers for better monitoring.

2.0 PHYSIOGRAPHIC FEATURES

The State presents varied and picturesque landforms. The Southern and Central parts of the State in Rayagada, Kalahandi, Kandhamal and Gajapati districts present a rugged hilly tract. Plateau occupies the Northern districts of Sundergarh, Keonjhar and Mayurbhanj and parts of Nawarangpur district in the Southwest. Undulating plains characterizes the major river valleys. A narrow coastal plain borders the Bay of Bengal.

Physiographically the state can be divided into five distinct units, namely (i) Coastal plains, (ii) Northern uplands, (iii) The erosional plains of Mahanadi and other river valleys (iv) South Western hilly region and (v) Subdued plateaus. Physiography of the state has been presented in **Plate:-2.1**

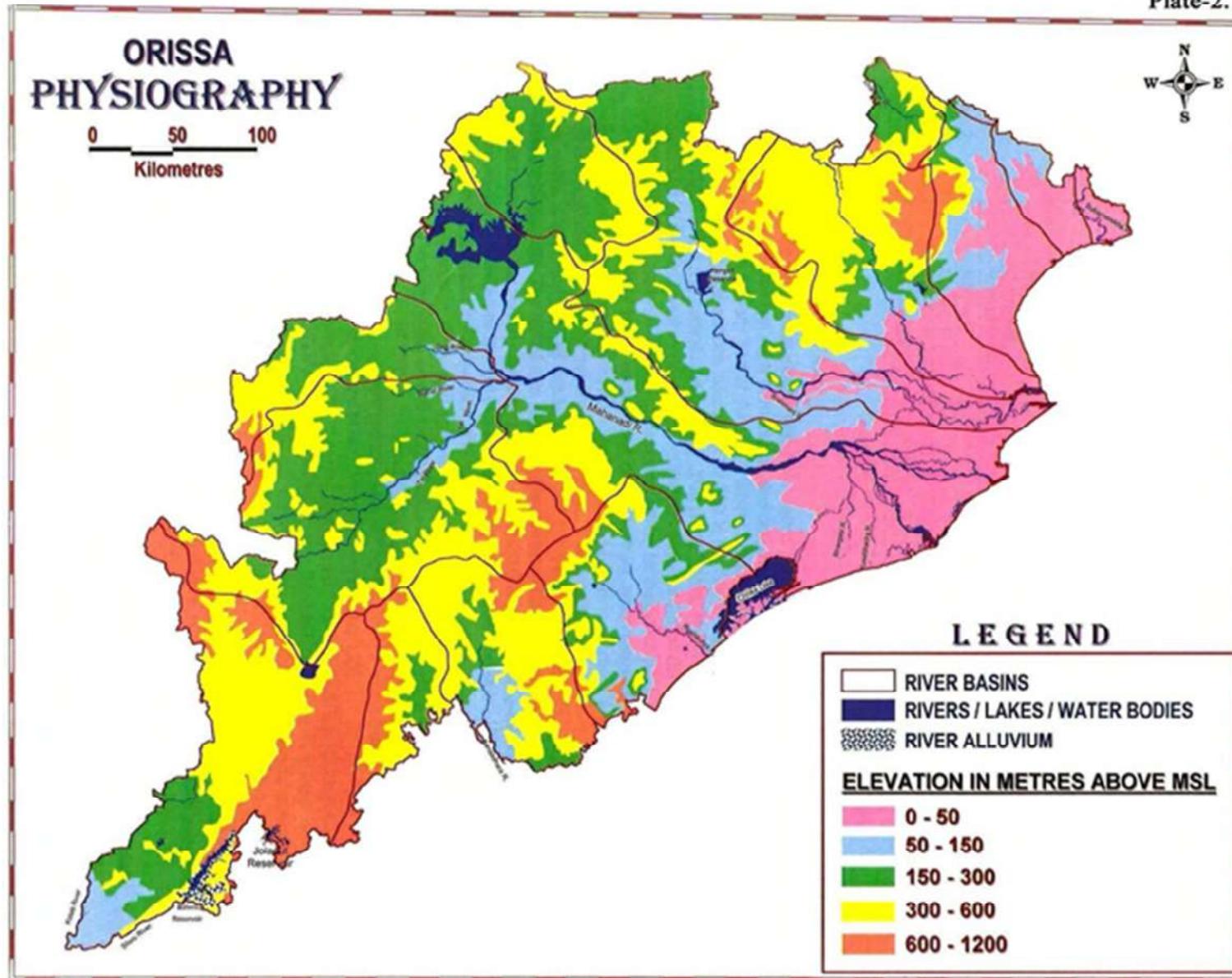
The coastal plains covering parts of Ganjam, Puri, Cuttack and Balasore districts from south to north form an extensive flat alluvial tract between the hills in the west and the coast in the east. It presents a flat topography gently sloping towards east with insignificant elevation difference. The general elevation of coastal plains varies from 1 to 10m above mean sea level (amsl).

Northern uplands covering Mayurbhanj, Keonjhar and Sundergarh districts and Pallahara subdivision of Dhenkanal district are undulating, frequently intersected by hill ranges with general slope from north to south. The elevation in the central part of the upland generally varies between 300 to 600 m and forms watersheds of Baitarani and Brahmani river systems. The erosional plains of Mahanadi river basin lie between the northern uplands and southern hilly region of the Eastern Ghats. The tract covers major parts of undivided districts of Sambalpur, Bolangir, Dhenkanal and northern parts of Kandhamal (Khandamal) and Western part of Puri districts. The altitude of this tract lies between 150 to 300 m above mean sea level (amsl).

Southwestern hilly region lies to the south and southwest of Mahanadi valley region stretching through Kandhamal, Ganjam districts and part of Koraput district. Major part of this region has an elevation over 600m, acting as the watershed of the two sets of rivers, one set flowing directly to the Bay of Bengal, namely Rushikulya, Nagavali and Vamsadhara and the others feeding the Godavari and Mahanadi river systems.

The plateaus extend throughout the western parts of Kalahandi, Nawapara, Koraput, Malkangiri , Rayagada and Nawarangpur districts with an average elevation varying from 300 to 600m above mean sea level (amsl).

Plate-2.1

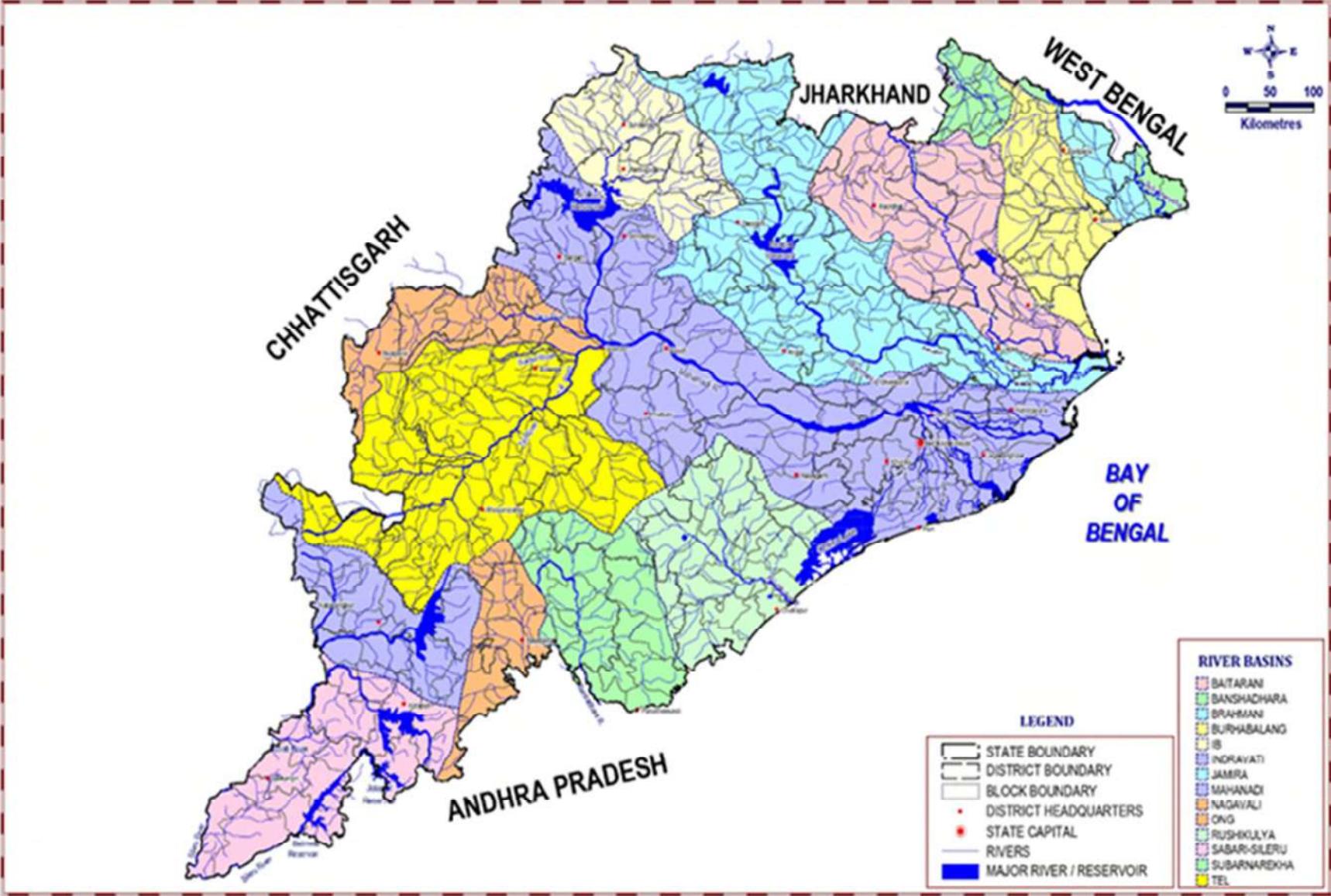


3.0 DRAINAGE

There are eleven principal rivers traversing the entire state that can be grouped under eight major river basins within the state, whereas the Indravati, Kolab, Machkund sub-basins in the south forms part of Godavari river basin. Most of the major rivers flow in easterly and southeasterly direction with gentle gradient. Generally the rivers are effluent in nature. In general the drainage pattern is of both dendritic and radial types. The river basin map of Odisha is presented in **Plate 3.1**. The salient features of the major river basins are given in **Table 3.1**.

SALIENT FEATURES OF MAJOR RIVER BASINS **TABLE 3.1**

River	Total Catchment Area (Sq Km)	Catchment Area In Odisha (Sq km)
Mahanadi	1,41,134	65,628
Brahmani	39,116	22,516
Baitarani	14,218	13482
Subarnarekha	19,277	2,983
Budhabalang	6,691	6354
Rusikulya	8,963	8963
Vamsadhara	11,377	8960
Nagavali	9,275	4500
Indravati	41,700	7,400
Kolab	20,427	10300
Bahuda	1118	890



4.0 CLIMATE AND RAINFALL

The state enjoys a sub-tropical climate with three distinct seasons i.e. summer, monsoon and winter. The southwest monsoon rain starts from mid of June and continues till mid of October. Summer season extends from March to early part of June and winter season spreads from November to February.

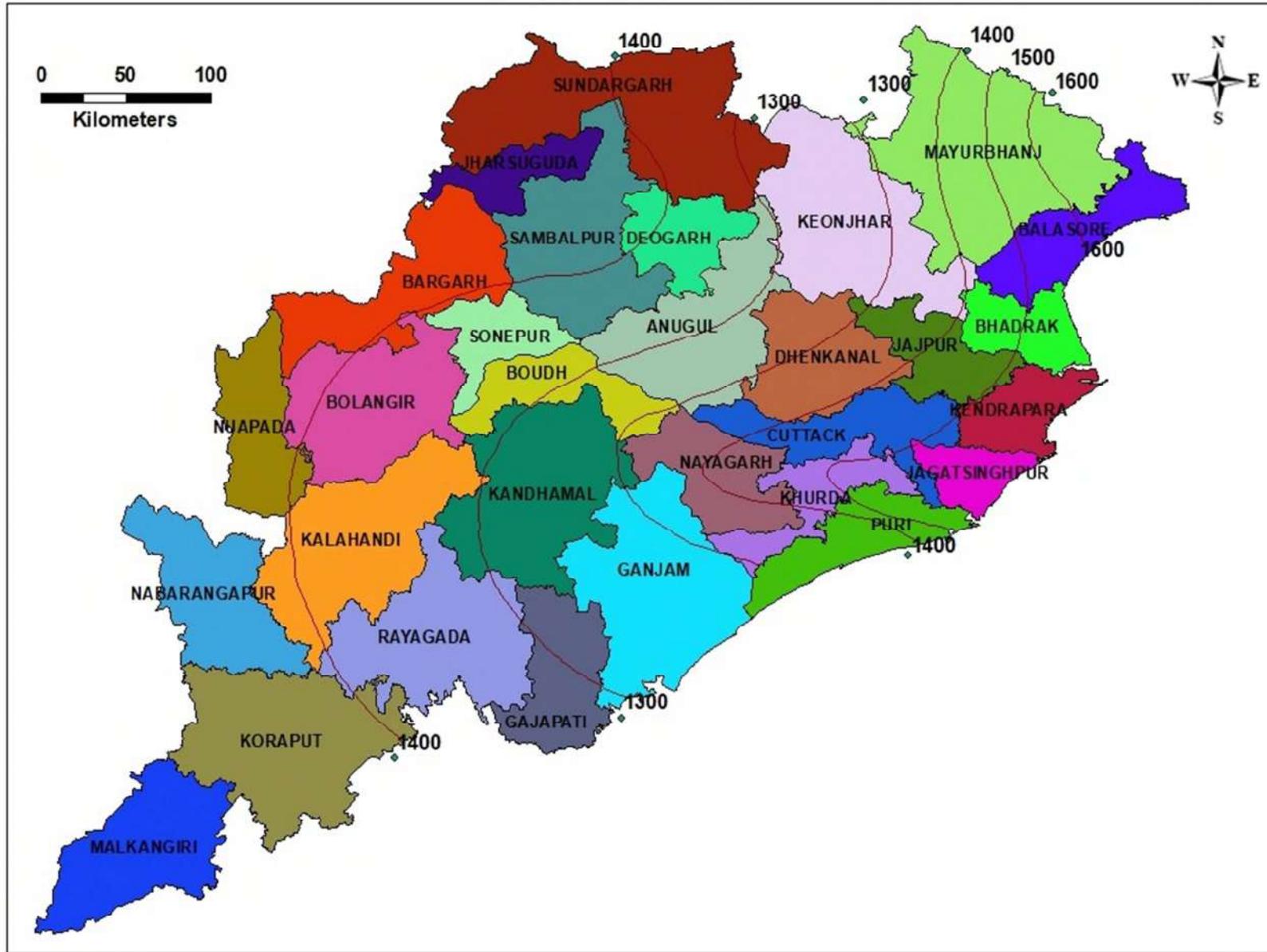
The normal average rainfall of the state is 1482.2mm . Nearly 86% of the annual rainfall is contributed by the southwest monsoon. The spatial distribution of the rainfall in the State is uneven and erratic. A perusal of the Isohyetal map of the normal rainfall for the period (**Plate –4.1**) shows that the rainfall is highest in the northern part of coastal tract, which ranges from 1520.32 to 1697.87 mm. The rainfall reduces westwards, from 1487.02 to 1211.08 mm in Kandhamal, Angul, Keonjhar districts and also southwards to 1221.14 mm around Gopalpur in Ganjam district.

The rainfall ranges from 1331.85 mm to 1491.89 mm in Koraput, Kalahandi, Bolangir, Sambalpur and Sundergarh districts. The IMD rainfall data for from **2010-2020** has been given in **Table 4.1**. From the rainfall departure data, it can be observed that the year 1990, 1995 and 2003 indicate excess rainfall in the major part of the state. **Table 4.2** presents the drought, flood and cyclone years in the state from **1980 to 2020**. A perusal of the table indicates that every alternate year, the state experiences a natural calamity in the way of drought or flood or cyclone. This has created a most unpredictable climate for any agricultural activity in the state.

The state experiences hot summer with temperatures shooting up to 45°C in the east to 50°C in the west. During winter season mornings and nights are cool. However the mean monthly winter temperature varies from 18°C to 22°C in different parts of the state. The mean monthly summer temperature is 37°C in western parts and 28°C in southern parts. Humidity ranges from 70% to about 100% in the state. During monsoon period the humidity is very high in the eastern parts and during summer it is dry in the western part of the state.

ISOHYETAL MAP OF ODISHA

PLATE:- 4.1



RAINFALL DATA OF IMD FOR LAST 10 YEARS (IMD DATA)

TABLE- 4.1

YEARS											
DISTRICT	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
ANGUL	983.1	1322.6	1385.5	1684.6	990.3	1004.5	1125.5	989.4	1373.4	1258.5	1727.88
BALASORE	1412.7	1535.9	1129.6	2189.9	1706.6	1260.6	1565.6	1599.1	1838.6	1661.8	1538.18
BARAGARH	1153.8	1295.3	1471	1022.4	1612.6	991.9	1034.8	949.9	1357	1584.1	1598.13
BHADRAK	1247.4	1395.1	1041.3	1576.3	738.6	1113.8	1526	1218.2	1775.6	1506.2	1756.84
BOLANGIR	1219.1	1208.4	1129.9	1307.3	1463.7	941.3	1006.9	862.3	1128.1	1565.6	1271.34
BOUDH	1091.4	1131.2	1245.6	988.3	391.3	1072.5	1133.8	1154.1	1621.9	1532.1	1693.23
CUTTACK	1557.7	1465.9	1803.8	1658.6	1718.7	1133.7	1334.5	1458.3	1841.5	1880.2	1743.20
DEOGARH	951.8	1303.2	1349.1	1440.8	383.7	1133.7	1334.5	1501.6	1477.5	1411.3	2058.20
DHENKANAL	2956.2	1545.6	1524.5	1620	877	1097.4	1238.4	1156.7	1620.1	1463.9	1644.18
GAJAPATI	1473.5	1226.6	1180.5	1696.4	1117.1	1100.4	1294.4	1431.5	1685.6	1520.5	1428.00
GANJAM	1557.4	936.9	1301.3	1821.3	2359.5	1016.1	1068.3	1363.3	1373.1	1574.6	1415.80
JAGATSINGHPUR	1488.9	1113.8	1137.8	1280	912.2	1178.1	1686.2	1623.2	1838.8	1647.9	1638.53
JAJPUR	1282.7	1683	1185.7	1690.9	1264.3	1177.3	1427	1322.7	2091.6	1750	1771.81
JHARSUGUDA	1068.6	1287.1	1770.5	1283.8	554	1463.5	1110.1	1332.1	1359.7	1823.8	1170.49
KALAHANDI	1450.1	1232.4	1295.3	1577.7	1693.7	1181.1	1274.4	1357.9	1996.5	1694.4	1482.36
KENDRAPARA	1178.9	1576.1	1115.7	1656	1028.6	1182	1652	1520.4	1885.8	1583.1	1887.56
KEONJHAR	1196.6	1634.6	1377.7	1694.9	1366.3	1049	1273.1	1377.8	1666	1494.7	1718.48
KHURDA	1279.7	2071.4	1216.7	1730.4	1063.9	923.1	1017.4	1363.5	1810.6	1816.3	1369.16
KORAPUT	1645.7	1005.5	1565.3	1640.6	1892.7	1536.1	1692	1566.6	1794	2105.1	1682.42
MALKANGIRI	1912.8	874.1	2056.5	1751.9	851.3	2191	1456.4	2100.8	2260	2104.2	2164.01
MAYURBHANJ	1023.4	1607.3	1352.3	2273.9	3154.8	1342.4	1424.6	1504.1	1654.3	1682.6	1748.27
NAWAPARA	901.4	1141.2	935.6	1446.4	602.2	1147.5	1047.3	956.3	1192.8	1167.4	1401.20
NAWARANGPUR	2305.7	1395.5	1697.2	1974.8	1554.5	1666.6	1486.1	1467.6	1382.7	1695.3	1558.90
NAYAGARH	1726.7	1197.5	1754.1	2029.4	889.3	1127	1148.2	1195	1400.8	1713.6	1348.35
PHULBANI	-	-	-	1704.3	1488.3	933.8	1105.4	-	1826.4	1671.7	1637.90
PURI	1576	1054	1275.1	1540.6	1324.8	1057.2	1328.2	1582.4	1936	1858.9	1294.26
RAYAGADA	1451.9	913.5	1227.8	1459.5	1313.6	1149.9	1138.6	1419.5	1514.5	1407.6	1315.35
SAMBALPUR	887.4	1473.2	1964.7	1410.7	1283.4	1272.4	1143.4	1300.1	1660.4	1529.3	1788.58
SONAPUR	933.1	894.7	1438.3	1312.5	1800.3	956	1048	1322.4	1624.5	1724.1	1673.77
SUNDARGARH	970.5	1620.3	1518.2	1504.2	908.7	1250.2	1105.6	1064.3	1312.3	1404.9	1585.19

RAINFALL IN ODISHA					TABLE-4.2
YEAR	NORMAL RAINFALL (mm)	ACTIVE RAINFALL (mm)	DEVIATION FROM NORMAL RAINFALL		NATURAL CALAMITIES
			In (mm)	In Percentage	
1980	1502.5	1321.7	-180.8	-12.03	Flood, Drought
1981	1502.5	1187.4	-315.1	-20.97	Flood, Drought
1982	1502.5	1179.9	-322.6	-21.47	Severe Flood, Drought, cyclone
1983	1502.5	1374.1	-128.4	-8.55	
1984	1502.5	1302.8	-199.7	-13.29	Drought
1985	1502.5	1606.8	104.3	-6.94	Flood
1986	1502.5	1566.1	63.6	4.23	
1987	1502.5	1040.8	-461.7	-30.73	Severe Drought
1988	1502.5	1270.5	-232	-15.44	
1989	1502.5	1283.9	-218.6	-14.55	Flood
1990	1502.5	1865.8	363.3	24.18	
1991	1502.5	1465.7	-36.8	-2.45	Flood and Drought
1992	1502.5	1344.1	-158.4	-10.54	
1993	1502.5	1421.6	-80.9	-5.38	Flood
1994	1502.5	1774.1	271.6	18.08	Flood
1995	1502.5	1726.9	224.4	14.94	Drought
1996	1502.5	1034.4	-468.1	-31.15	
1997	1502.5	1463.3	-39.2	-2.61	
1998	1502.5	1279.8	-222.7	-14.82	
1999	1502.5	1433.8	-68.7	-4.57	
2000	1482.2	1034	-448.2	-31.18	Drought
2001	1482.2	1616	133.8	9.03	
2002	1482.2	1008	-474.2	-31.99	Drought
2003	1482.2	1664	181.8	12.27	
2004	1482.2	1274	-208.2	-14.05	
2005	1482.2	1272	-210.2	-14.18	
2006	1482.2	3203.8	1721.6	116.15	Flood
2007	1482.2	1647.5	165.3	11.15	
2008	1482.2	1604.7	122.5	8.26	
2009	1482.2	1390.06	-92.14	-5.58	
2010	1482.2	1330.85	-151.35	-10.21	
2011	1482.2	1283.64	-198.56	-13.39	
2012	1482.2	1394.71	-87.49	-5.9	
2013	1482.2	1598.94	116.74	7.87	
2014	1482.2	1276.87	-205.32	-13.85	cyclone
2015	1482.2	1274.22	-207.98	-14.04	
2016	1482.2	1274.2	-208	-14.03	
2017	1482.2	1302	-180.2	-12.15	
2018	1482.2	1665	182.8	12.29	cyclone
2019	1482.2	1627.8	145.6	9.82	cyclone
2020	1482.2	1603.71	121.51	8.19	

5.0 HYDROGEOLOGICAL CONDITION

Geological setting, climate and topography plays a vital role in occurrence and movement of groundwater. The state is underlain by diverse rock types, which range in age from Precambrian to Cenozoic. The Precambrians occupy nearly 80% of the total geographical area of the state. The Tertiary and the Quaternary formations are restricted mainly to the narrow coastal tracts. The Gondwana group of rocks belonging to Paleozoic and Mesozoic age occur in isolated patches in different parts of the state. These formations occur in Talcher area of Angul district and Ib river valley area of Sambalpur and Sundergarh districts. Hydrogeologically, the state can broadly be divided into 3 distinct geological units. The aquifer system of the state has been depicted in **Plate 5.1**.

Area with Precambrian Consolidated Formations –

Sundergarh, Keonjhar, Mayurbhanj, Subarnapur, Bolangir, Kandhamal, Boudh, Gajapati, Nuapara, Kalahandi and parts of Nayagarh, Khurda, Balasore, Cuttack, Ganjam, Koraput, Kalahandi, Angul, Dhenkanal, Sambalpur and Bargarh districts.

Area with Semi-consolidated Gondwana & Tertiary Formations –

Parts of Sundergarh, Mayurbhanj, Angul, Dhenkanal, Khurda, Sambalpur, Kandhamal and Bolangir districts.

Area with Unconsolidated Quaternary Formations –

Coastal tracts of Puri, Khurda, Cuttack, Jagatsinghpur, Jajpur, Kendrapara, Balasore, Bhadrak, Ganjam districts and inland river valleys.

5.1 CONSOLIDATED FORMATIONS

The consolidated formations include the hard crystalline and partly metamorphosed compact sedimentary formations belonging to Pre-Cambrian. The rock types are mainly granites, granite gneisses, schistose rocks, khondalites, charnockites, quartzites, calcsilicates, shale, phyllite, sandstone, limestone, marble etc. These rocks are devoid of primary porosity. The ground water occurs in secondary porosity resulting from weathering fracturing and jointing. The hard rock aquifers exhibit considerable variation laterally as also in depth. The weathered mantle is composed of loose regolith with intergranular porosity, which facilitates free circulation of ground water through deeper fractures and forms potential repository of ground water. In general the average thickness of weathered residuum varies from 15 to 20 m. Ground water occurs under phreatic condition. The water bearing fracture zones generally occur within 100m depth but deeper potential fractures have also been encountered in some of the bore holes drilled by the Central Ground Water Board.

5.2 SEMI CONSOLIDATED FORMATIONS

The semi-consolidated formations include Gondwana sedimentaries ranging in age from Upper Carboniferous to Cretaceous and the Baripada beds of Middle-Pliocene age. The Gondwanas include sandstones, shales, siltstones and conglomeratic beds, while the Baripada beds consist of fossiliferous limestones, stratified semi-consolidated sand beds with intercalated shales. The coarse to medium grained, weathered, fractured and friable Gondwana sandstones and the semi-consolidated sand beds of Baripada formation form the aquifers. The ground water occurs under water table condition in the shallow aquifers and under semi-confined to confined conditions in the deeper aquifers. The depth of weathering in Gondwanas generally extends to a depth of 15m.

5.3 UNCONSOLIDATED FORMATIONS

The unconsolidated sediments include Pleistocene and Recent alluvium. The older alluvium, which forms conspicuous and significant horizon, is generally overlain by laterites. The laterites are vesicular, essentially ferruginous and form the shallow aquifer. Maximum development of alluvial formations occurs along the coastal tract, with a maximum thickness of about 600m. Alluvium also occurs as discontinuous patches adjoining the river courses, where the thickness is limited to about 45m. The sand and gravel layers act as good repository of ground water. Groundwater occurs under unconfined condition in the shallow zone and under semi-confined to confined condition in the deeper zone. The coastal tract holds potential for large-scale ground water development as the sand zone forms prolific aquifers. But the coastal tract is beset with salinity problems both in shallow as well as deeper aquifers at different locales at different levels.

6.0 GROUND WATER REGIME MONITORING

Ground water monitoring is carried out by CGWB through a network of observation wells (dug wells and piezometers) spread all over the state. These wells serve as permanent National Hydrograph Stations (NHS). The existing network provides an optimal spatial distribution of observation stations in the region, through which necessary information on ground water regime is available with a fair degree of accuracy. Through interpolation between data sets at different stations, it is possible to determine the characteristics of elements at any point in the region. Under normal circumstances, the water level of the observation wells are being measured four times in a year during fixed period of time as given below –

April – 20 th to 30 th of the month	Represents water level situation in Pre-monsoon period
August – 20 th to 30 th of the month	Represents peak water level of monsoon period.
November – 1 st to 10 th of the month	Represents situation of water level in Post-monsoon period.
January – 1 st to 10 th of the month	Represents water level during irrigation period.

Water samples were collected from each of the network stations only during April (Pre-monsoon) every year, to assess the chemical quality of ground water.

6.1 DISTRIBUTION OF NATIONAL HYDROGRAPH STATIONS

A total number of 1600 Hydrograph Network Stations have so far been established and are being monitored in the state. Out of 1600 network hydrograph stations, open/dug wells are 1517 in numbers and 83 are Piezometers in hard rock and coastal tract (including piezometers under Hydrology Project) and are being monitored manually. The district wise NHS wells monitored in different season is furnished in **Table 6.1**. Locations of hydrograph network stations are shown in **Plate-6.1** and the general details of hydrograph network stations are given in Annexure-1.

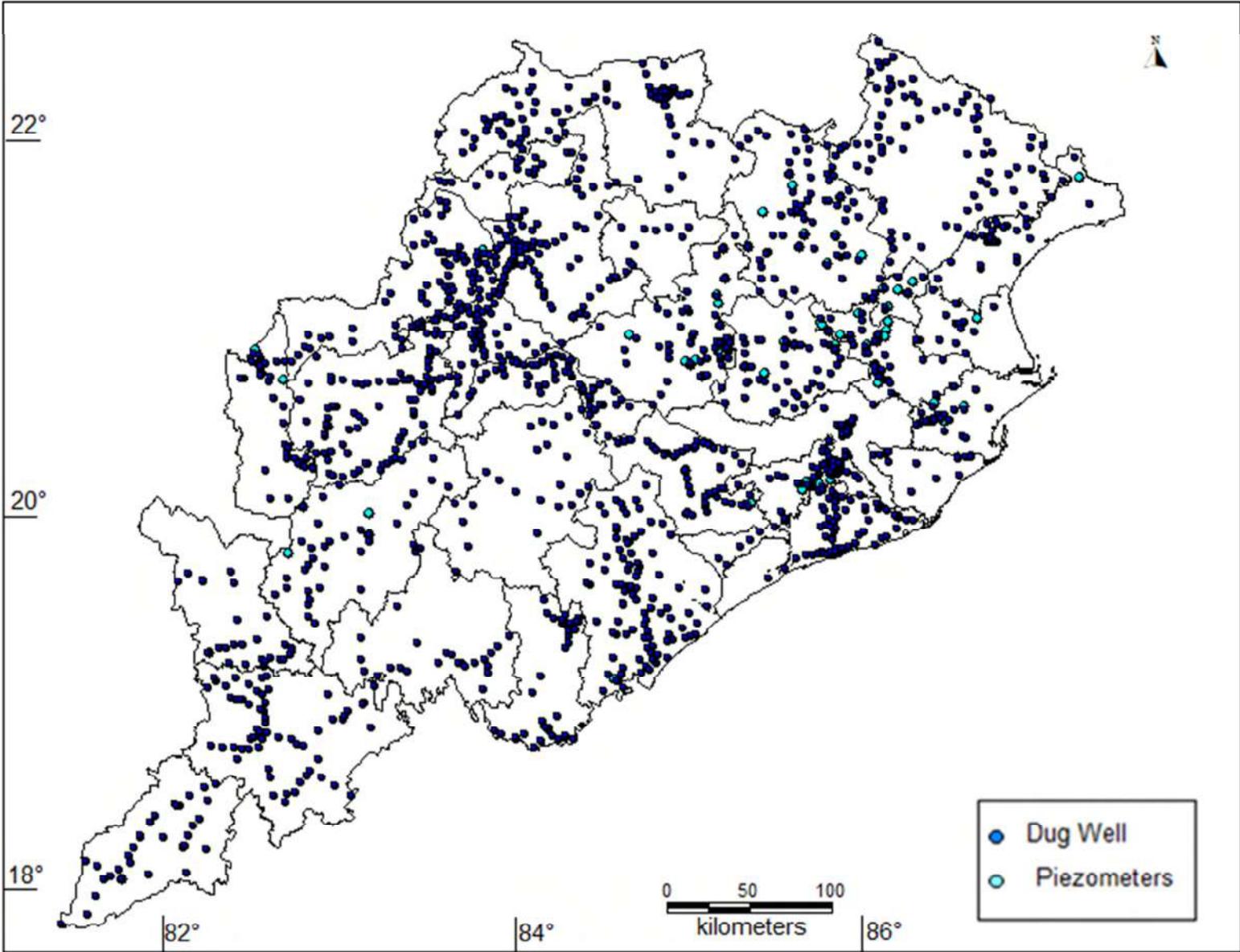
6.2 ANALYSIS OF DATA

The water levels reflect the cumulative effect of natural recharge discharge conditions and ground water draft on the ground water regime. Where the draft exceeds the recharge, its manifestation is reflected by distinct decline in normal water level and where recharge is more than the draft rising trend is seen in water levels. The hydrographs given in **Plate 6.2** show the periods of recharge and discharge. Water level data collected four times a year is subjected to analysis for inferring the change in water levels i.e. rise/ fall and trend in water levels with reference to time and space. The locations where monitoring could not be carried out due to Covid pandemic, water level data for the same has been statistically rationalized.

**NATIONAL HYDROGRAPH STATIONS MONITORED DURING
2020-2021**

TABLE-6.1

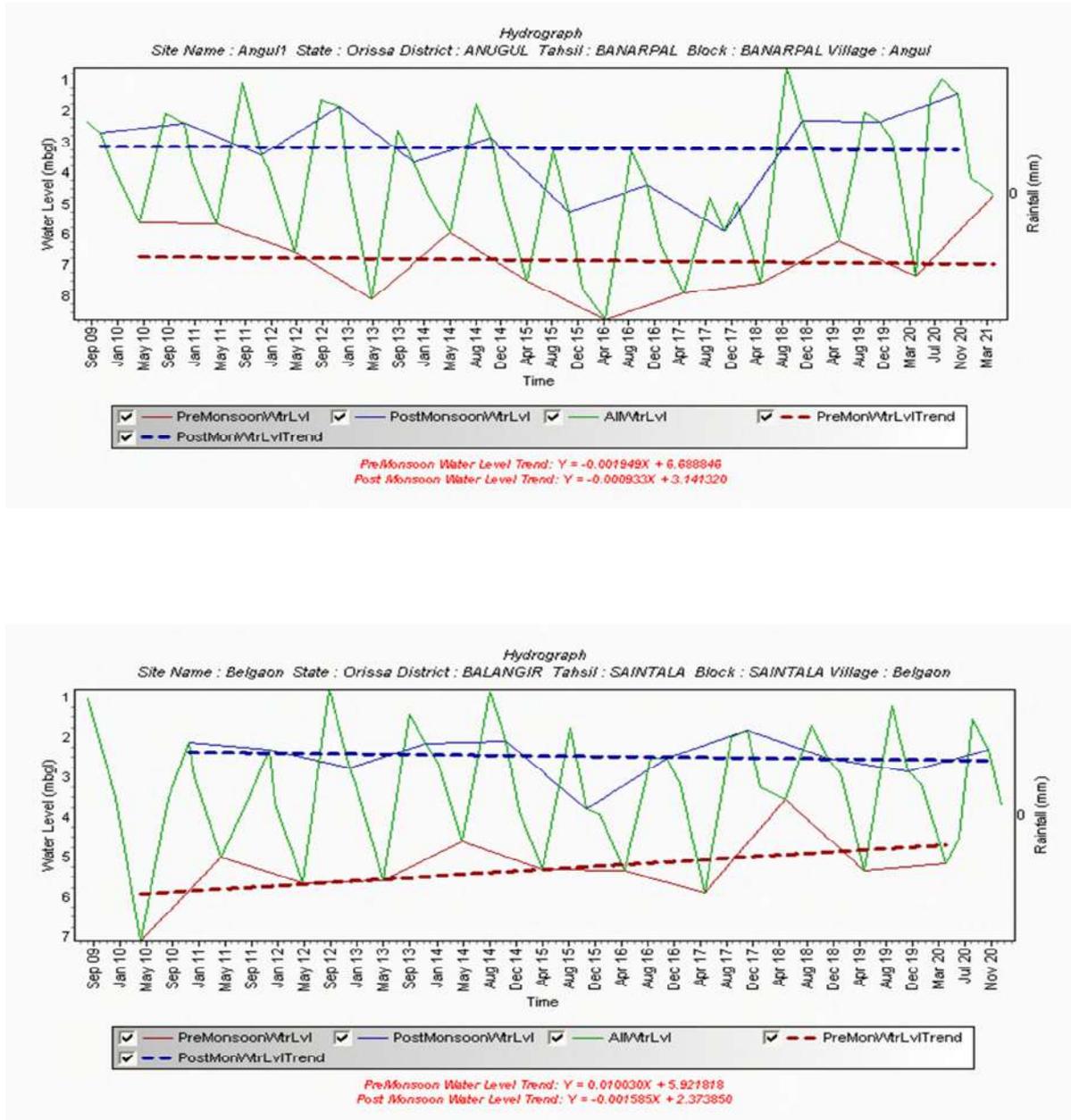
SI. NO	Districts	April - 2020	August - 2020	November -2020	January – 2021
1	ANUGUL	59	57	53	59
2	BALANGIR	68	47	72	74
3	BALESHWAR	20	23	27	30
4	BARGARH	57	53	71	69
5	BAUDH	45	46	46	47
6	BHADRAK	14	16	15	16
7	CUTTACK	64	71	58	67
8	DEBAGARH	7	8	11	10
9	DHENKANAL	41	43	39	41
10	GAJAPATI	27	19	34	33
11	GANJAM	69	64	83	83
12	JAGATSINGHAPUR	10	13	11	13
13	JAJAPUR	26	16	39	50
14	JHARSUGUDA	15	10	14	15
15	KALAHANDI	34	32	36	33
16	KANDHAMAL	15	21	23	24
17	KENDRAPARA	18	26	28	30
18	KENDUJHAR	60	73	79	78
19	KHORDHA	57	67	44	64
20	KORAPUT	57	51	59	55
21	MALKANGIRI	19	15	19	20
22	MAYURBHANJ	73	101	98	100
23	NABARANGAPUR	25	21	25	24
24	NAYAGARH	33	38	36	36
25	NUAPADA	21	13	17	20
26	PURI	69	74	82	79
27	RAYAGADA	22	20	21	19
28	SAMBALPUR	70	51	77	76
29	SONAPUR	46	34	48	48
30	SUNDARGARH	70	70	74	77

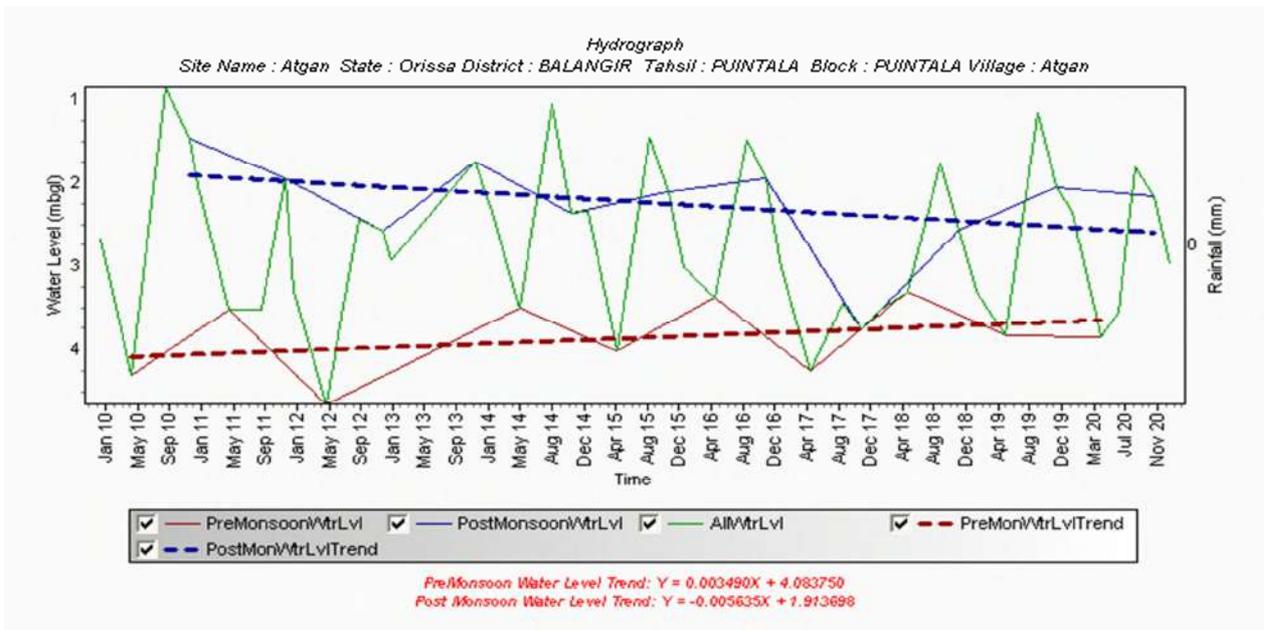
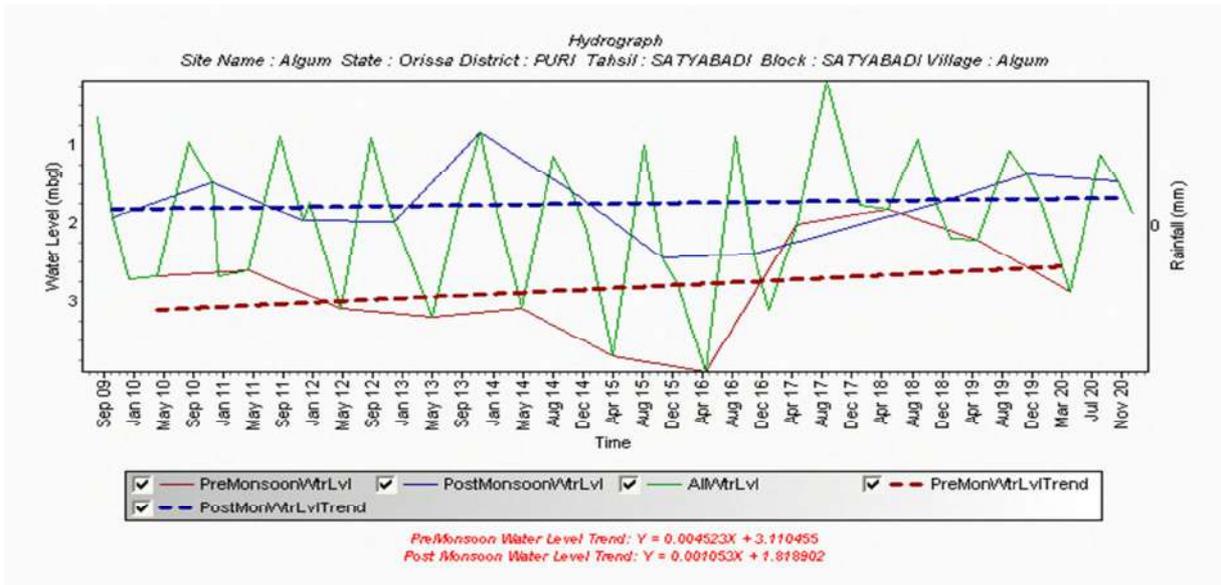


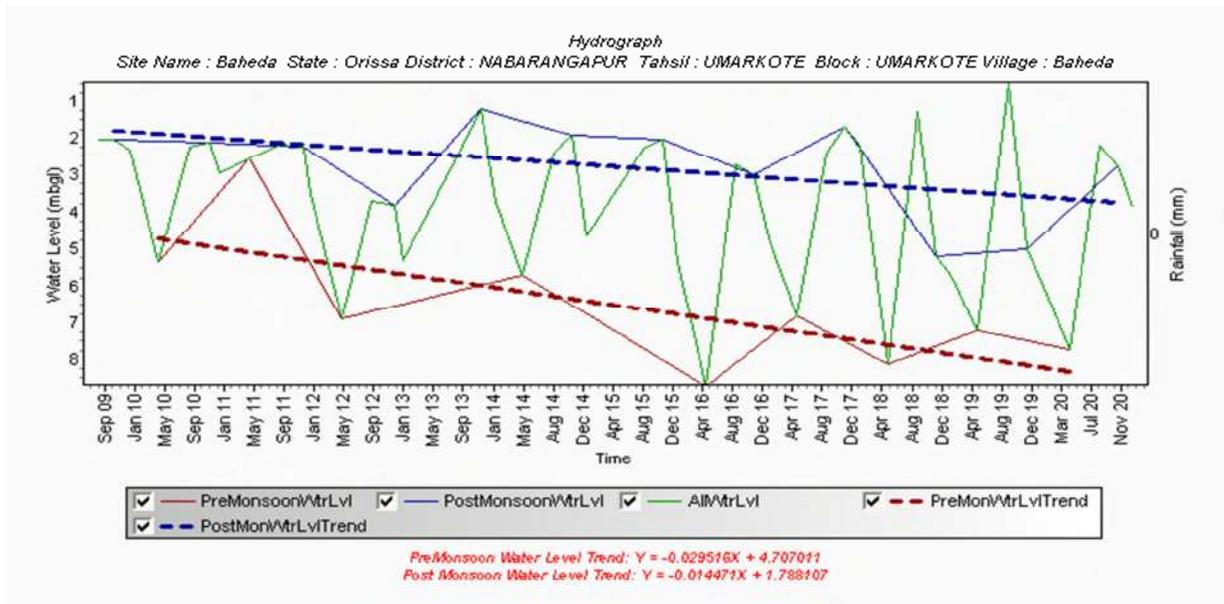
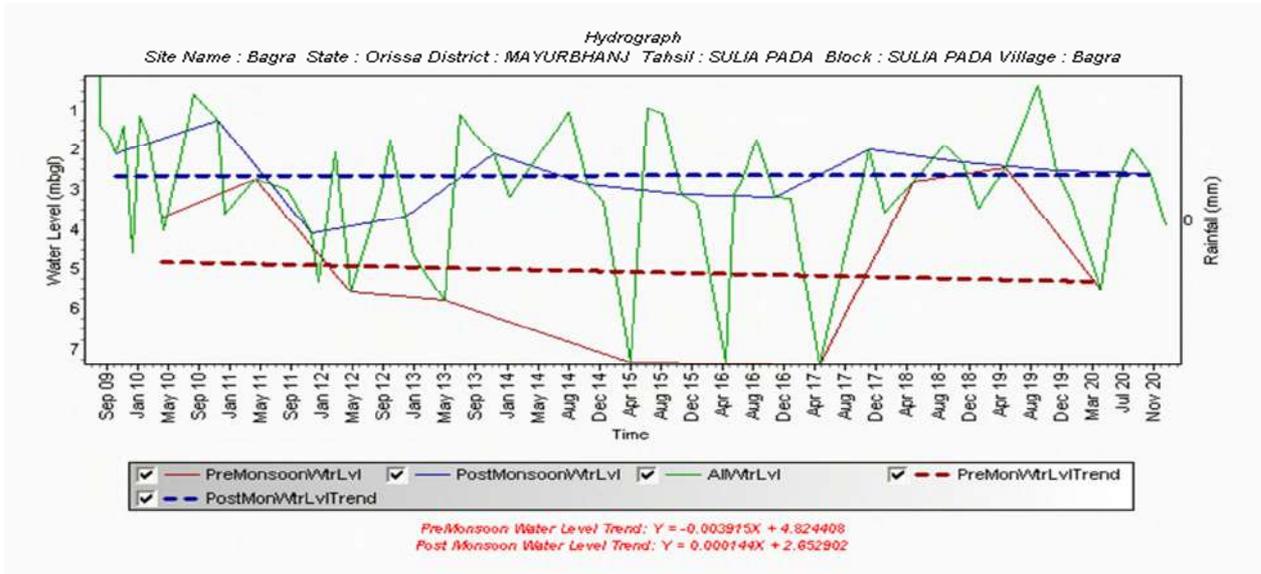
6.2 HYDROGRAPH ANALYSIS

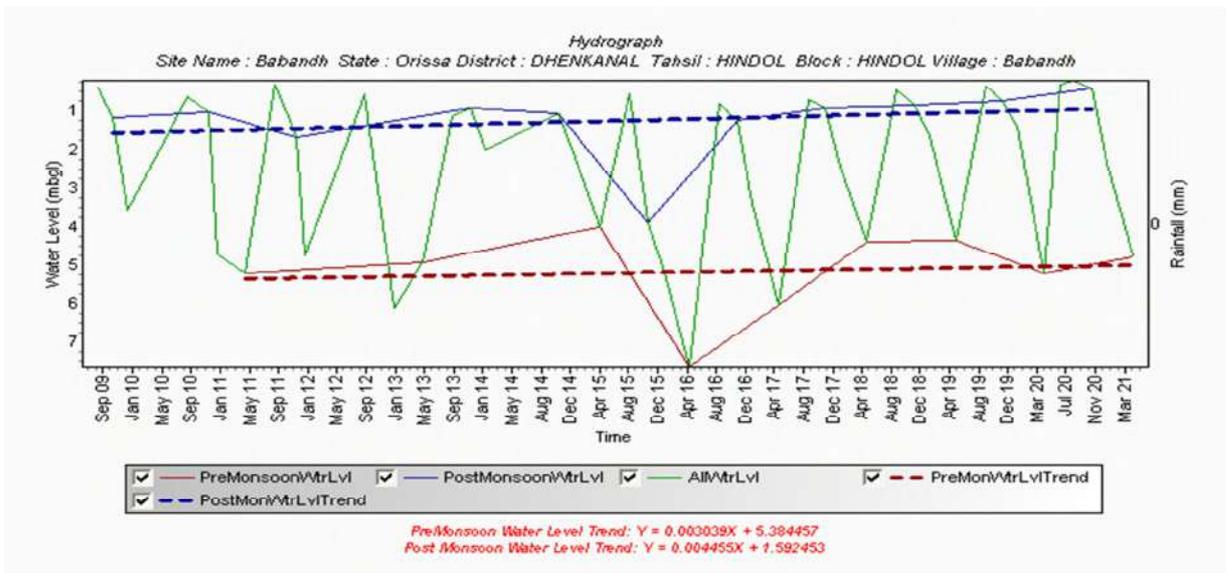
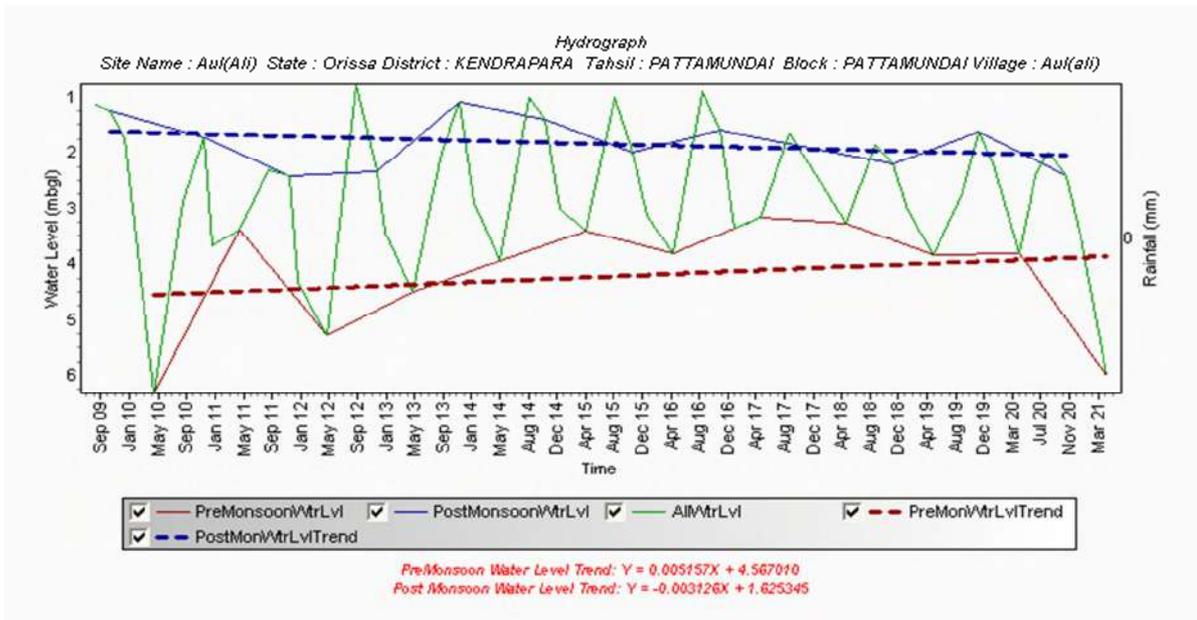
Long Term Water Level Trend Analysis

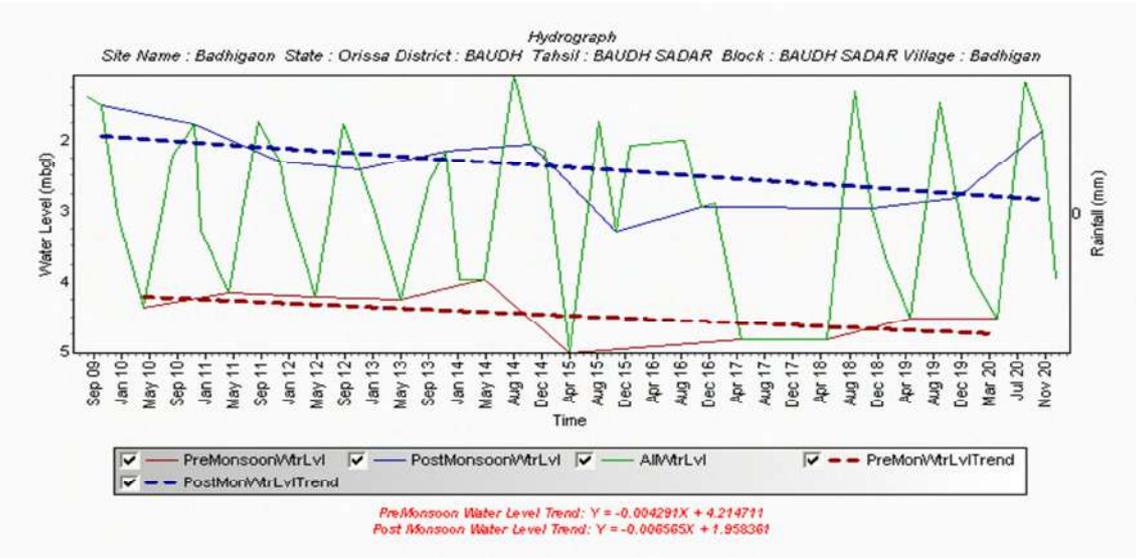
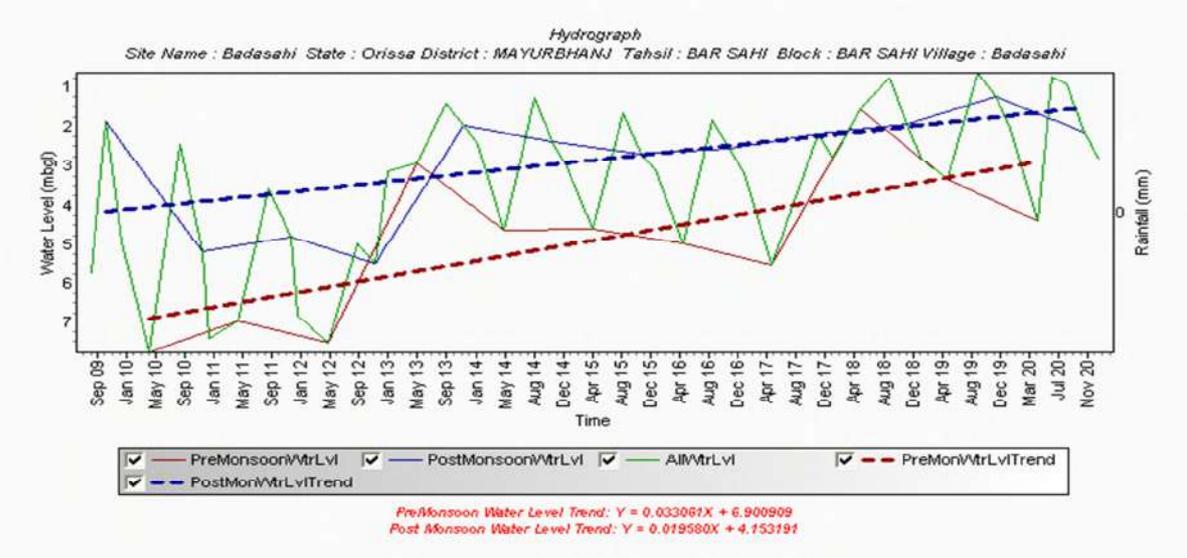
Hydrographs with Long term water level trend and comparison is given in **Plate 6.3**

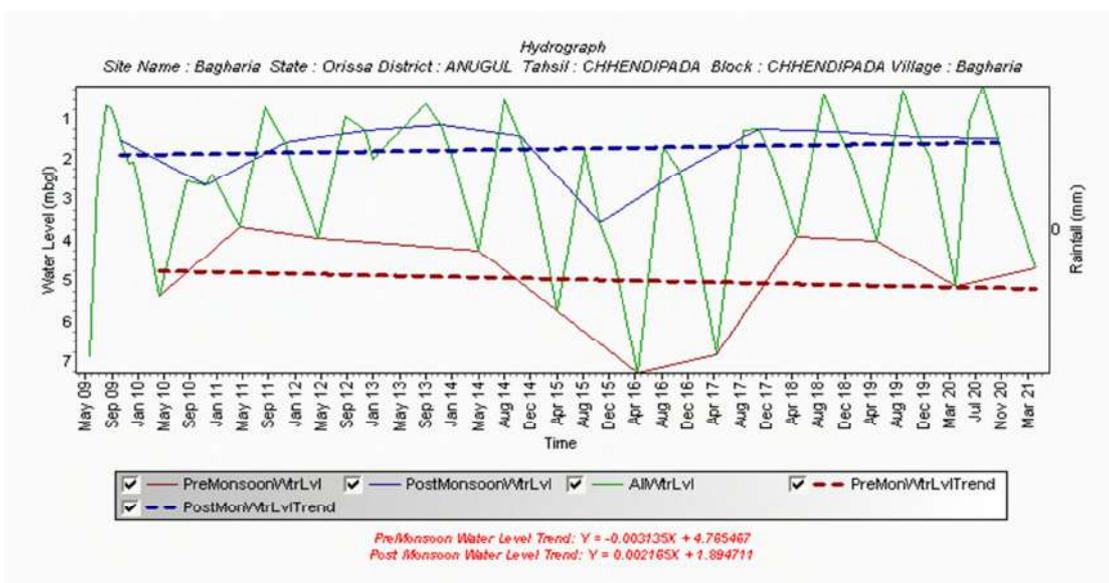
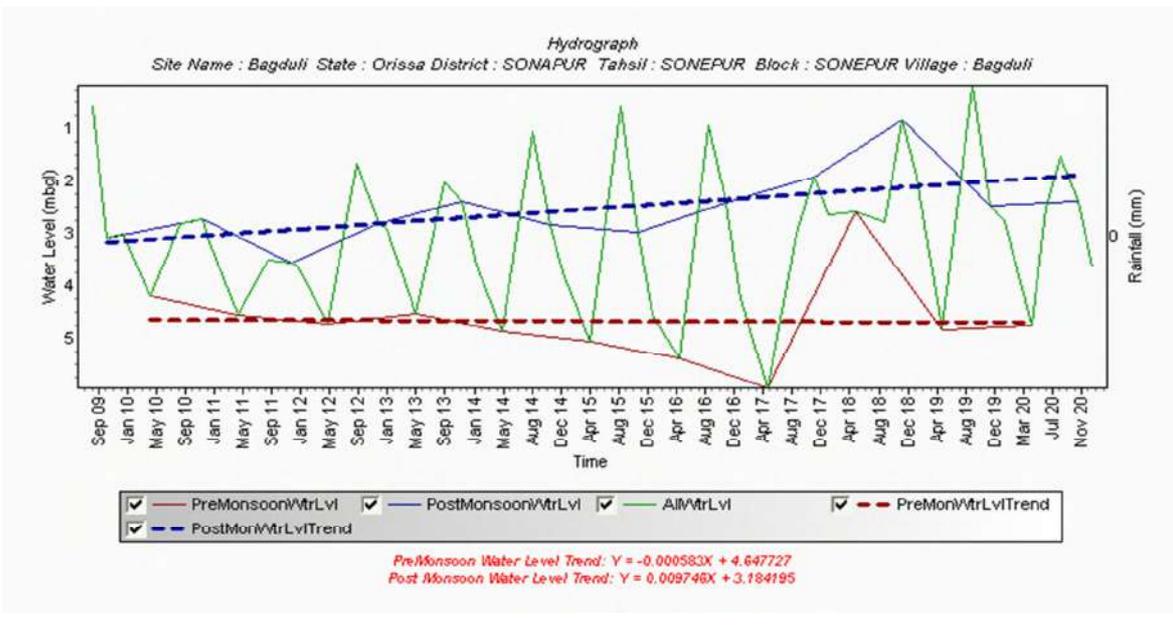












7.0 BEHAVIOUR OF WATER LEVEL DURING 2020 – 2021

During 2020 - 2021 the existing 1600 National Hydrograph stations were monitored four times and behaviour of the ground water regime during the year was inferred comparing the same with the decade mean, corresponding previous year data and pre-monsoon water level data. On the basis of water level data of NHS, for each measurement the following maps have been prepared.

1. Depth to water level for each measurement
2. Water level fluctuation in comparison to corresponding period of previous year.
3. Comparison of water levels to Pre-monsoon water levels.
4. Water level fluctuation in comparison to decade average.

7.1 DEPTH TO WATER LEVEL

7.1.1 DEPTH TO WATER LEVEL OF APRIL 2020

During April 2020, the water level (meter below ground level) in the state varies from minimum of 0.40 mbgl in Cuttack district to a maximum of 14.82 mbgl in Khordha district and water levels mostly range from 2 to 10 mbgl. The depth to water level map has been shown in **Plate-7.1** and district wise well frequency for different ranges of depth to water level are given in **Table- 7.1**.

Water level between 0-2 m

Only 6.68 % of the NHS wells recorded water level in this range during April 2020. This range generally appears as small and isolated patches. Also this range is seen in isolated patches in Canal command areas of Bargarh, Cuttack, Puri, Sambalpur and Sonapur districts with maximum 38.60% of wells in Bargarh district.

Water level between 2-5 m

44.27% of the NHS wells have shown water level in this range of 2–5 mbgl. All the districts have recorded water level in this range except Kandhamal. The districts which has the maximum number of wells showing this range of water level i.e., Jagatsinghapur (100.00%), Kendrapara (94.44%), Puri (72.46%), Bhadrak (71.43%), Malkangiri (68.42%), Rayagada (63.64%), Cuttack (62.50%) and Ganjam (60.87%). The major command areas of the state like Hirakud, Mahanadi, delta stage I & II, Baitarani, Salandi and Anandpur have shown water level in this range.

Water level between 5-10 m

48.80 % of the total NHS wells recorded water level in this range during April 2020. The hard rock and hilly terrains of the state has recorded water level in this range in majority of wells. The maximum percentage of wells in this range is recorded in Dhenkanal (82.93%), Kandhamal (80.00%), Baudh (75.56%), Nabarangpur (72.00%) and minimum in Kendrapara (5.56%) district. Partially all the districts of Odisha show this category except Jagatsinghapur.

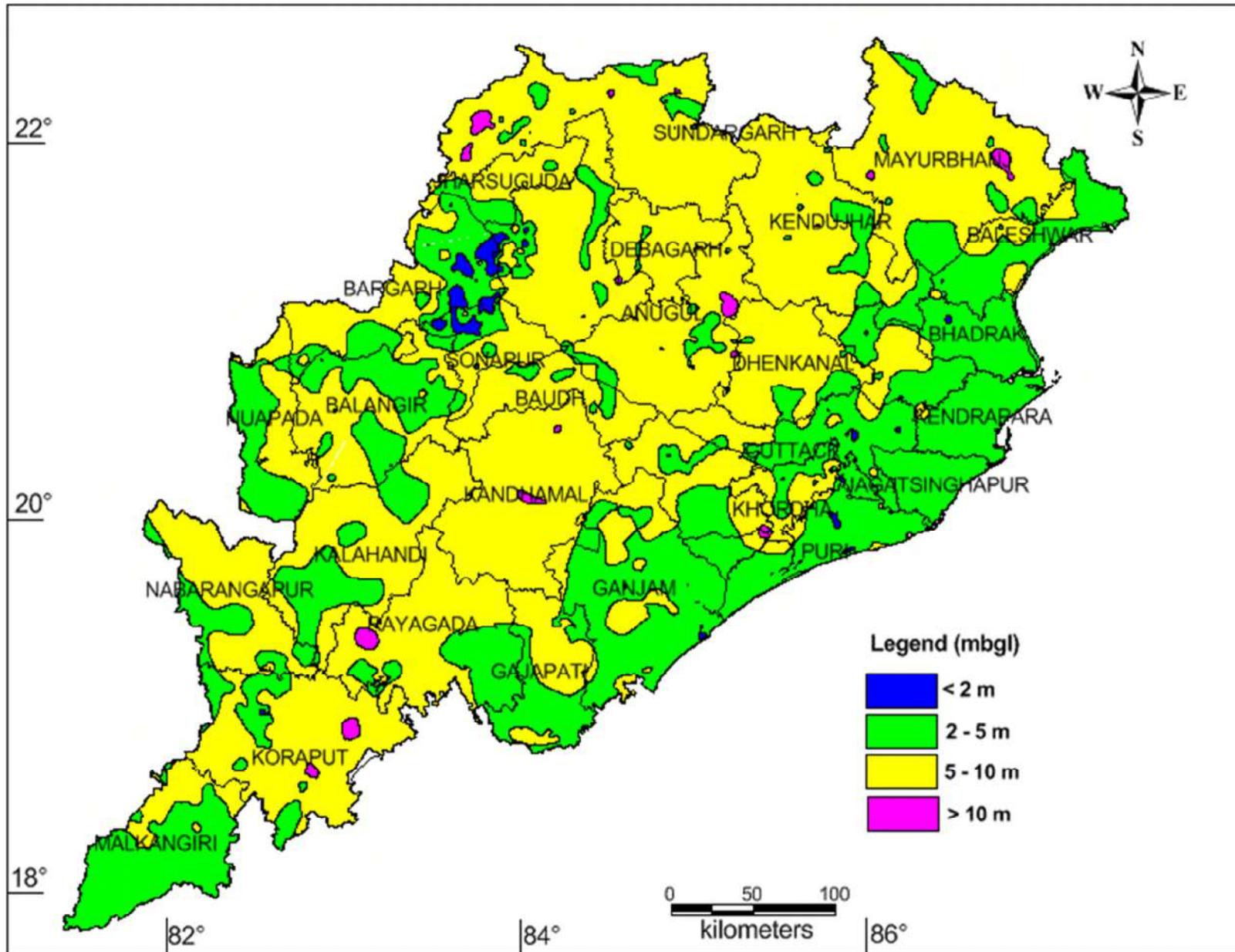
Water level between 10-20 m

2.22% of the wells of the state fall in this category. It is mostly in the hilly districts like Kandhamal (20.00%), Sundargarh (10.00%), Anugul (8.47%), Koraput (5.26%).

Water level more than 20m

No well have shown more than 20m of water level during April 2020.

In general, it can be said that during the month of April 2020, the state recorded water level in 2-10 m range in almost all the districts. Some wells in the hilly districts recorded water level in 10-20 m range.



DEPTH TO WATER LEVEL AND FREQUENCY DISTRIBUTION OF MONITORING WELLS- APRIL- 2020

TABLE: 7.1

District	No. of Wells Analysed	Depth to water level (mbgl)		No. and percentage of wells showing depth to water level (mbgl) in the range of											
		Min	Max	<2		2 - 5		5 - 10		10 - 20		20 - 40		> 40	
				No	%	No	%	No	%	No	%	No	%	No	%
ANUGUL	59	2.30	13.59	0		12	20.34	42	71.19	5	8.47	0		0	
BALANGIR	68	1.91	7.80	1	1.47	35	51.47	32	47.06	0		0		0	
BALESHWAR	20	1.88	7.31	1	5.00	7	35.00	12	60.00	0		0		0	
BARGARH	57	0.59	8.91	22	38.60	18	31.58	17	29.82	0		0		0	
BAUDH	45	3.48	8.51	0		11	24.44	34	75.56	0		0		0	
BHADRAK	14	1.63	5.74	1	7.14	10	71.43	3	21.43	0		0		0	
CUTTACK	64	0.40	9.89	10	15.63	40	62.50	14	21.88	0		0		0	
DEBAGARH	7	4.60	7.65	0		3	42.86	4	57.14	0		0		0	
DHENKANAL	41	2.29	9.84	0		7	17.07	34	82.93	0		0		0	
GAJAPATI	27	2.72	10.21	0		15	55.56	11	40.74	1	3.70	0		0	
GANJAM	69	1.81	8.07	4	5.80	42	60.87	23	33.33	0		0		0	
JAGATSINGHAPUR	10	2.30	4.80	0		10	100.00	0		0		0		0	
JAJAPUR	26	1.77	9.04	1	3.85	14	53.85	11	42.31	0		0		0	
JHARSUGUDA	15	2.43	7.93	0		5	33.33	10	66.67	0		0		0	
KALAHANDI	34	3.01	9.40	0		17	50.00	17	50.00	0		0		0	
KANDHAMAL	15	5.05	10.93	0		0		12	80.00	3	20.00	0		0	
KENDRAPARA	18	2.17	6.05	0		17	94.44	1	5.56	0		0		0	
KENDUJHAR	60	3.67	10.13	0		18	30.00	41	68.33	1	1.67	0		0	
KHORDHA	57	0.52	14.82	5	8.77	20	35.09	30	52.63	2	3.51	0		0	
KORAPUT	57	1.15	14.17	2	3.51	16	28.07	36	63.16	3	5.26	0		0	
MALKANGIRI	19	3.19	8.67	0		13	68.42	6	31.58	0		0		0	
MAYURBHANJ	73	3.53	13.92	0		16	21.92	54	73.97	3	4.11	0		0	
NABARANGAPUR	25	2.75	9.72	0		7	28.00	18	72.00	0		0		0	
NAYAGARH	33	2.26	8.82	0		17	51.52	16	48.48	0		0		0	
NUAPADA	21	2.57	8.42	0		10	47.62	11	52.38	0		0		0	
PURI	69	0.40	7.28	15	21.74	50	72.46	4	5.80	0		0		0	
RAYAGADA	22	2.10	12.06	0		14	63.64	7	31.82	1	4.55	0		0	
SAMBALPUR	70	0.55	11.40	7	10.00	19	27.14	43	61.43	1	1.43	0		0	
SONAPUR	46	0.66	7.64	9	19.57	16	34.78	21	45.65	0		0		0	
SUNDARGARH	70	0.66	11.28	3	4.29	33	47.14	27	38.57	7	10.00	0		0	
Total	1211	0.40	14.82	81	6.68	512	42.27	591	48.8	27	2.22	0		0	

7.1.2 DEPTH TO WATER LEVEL OF AUGUST 2020

A perusal of data and maps pertaining to August 2020 shows that the depth to water level ranges from 0.03 to 13.41 mbgl and in majority (62.44%) of NHS wells level was in the range of 0-2 m below ground level and 33.52% of wells in 2-5 m below ground level. The district-wise depth to water level of August 2020 is shown in **Table 7.2** and the depth to water level map has been shown in **Plate-7.2**.

Water level between 0-2 m

62.44% of the wells monitored in the state has water level in this range. The districts like Malkangiri (100%), Jagatsinghapur (92.31%), Baudh(91.30%), Bargarh (88.68%), Debagarh (87.50%), Jharsuguda (80.00%) have majority of wells with water level in this range. In most of the command areas of the state like the Hirakud, Rusikulya, Mahanadi stage I & II, Upper Kolab and Potteru the water level is in this range.

Water level between 2-5 m

33.52 % of the monitored wells showed water level in this range. The districts like Nuapada (76.92%), Kendujhar (75.34%), Kandhamal (71.43%), Balangir (59.57%), Mayurbhanj (54.46%) have majority of wells with water level in this range. All the districts of the state have recorded in this range except Malkangiri, where all the wells fall in the range of 0-2 m.

Water level between 5-10 m

Water level in this range was recorded in 3.85% of the wells in the state. Districts Like Rayagada (20.00%), Kandhamal (14.29%), Koraput (9.80%), Puri (9.46%), Khordha (8.96%), Anugul (7.02%) and Sundargarh (5.71%) showed water level in more than 5% of the wells in this range. They occur as isolated patches in areas where the water level is generally in 2-5 m range.

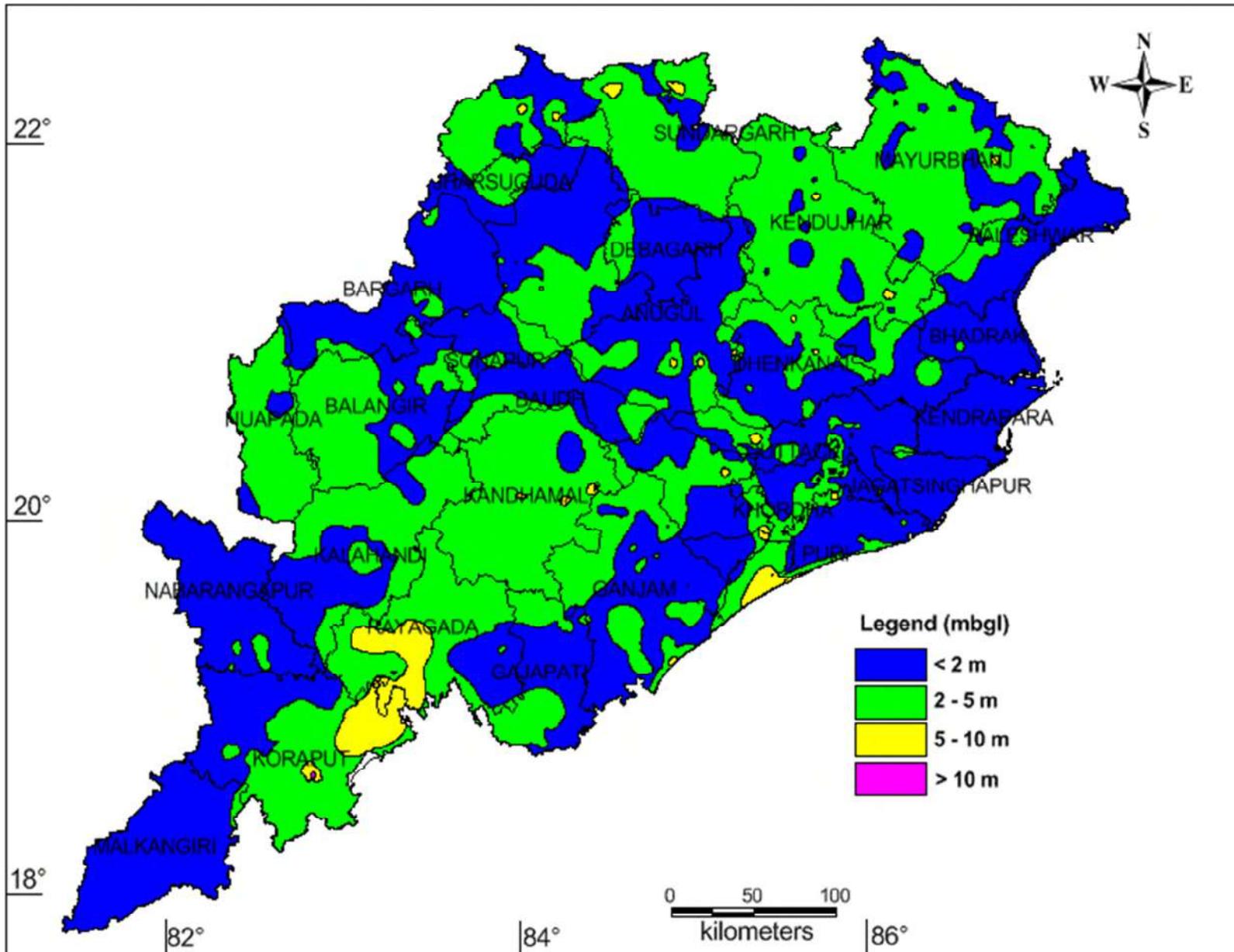
Water level between 10-20 m

Only 2 wells (0.16%) fall in this category and ie from 1 well in Khordha and 1 in Koraput district.

Water level more than 20 m

None of the wells monitored during August 2020 showed water level in this range.

In general the water level in the state during August 2020 monitoring is found in the range of 0-2 m bgl.



DEPTH TO WATER LEVEL AND FREQUENCY DISTRIBUTION OF MONITORING WELLS-AUGUST- 2020

TABLE - 7.2

District	No. of Wells Analysed	Depth to water level (mbgl)		No. and percentage of wells showing depth to water level (mbgl) in the range of											
		Min	Max	<2		2 - 5		5 - 10		10 - 20		20 - 40		> 40	
				No	%	No	%	No	%	No	%	No	%	No	%
ANUGUL	57	0.15	7.48	39	68.42	14	24.56	4	7.02	0		0		0	
BALANGIR	47	0.94	4.78	19	40.43	28	59.57	0		0		0		0	
BALESHWAR	23	0.25	4.75	14	60.87	9	39.13	0		0		0		0	
BARGARH	53	0.31	3.98	47	88.68	6	11.32	0		0		0		0	
BAUDH	46	0.05	3.49	42	91.30	4	8.70	0		0		0		0	
BHADRAK	16	0.22	3.26	14	87.50	2	12.50	0		0		0		0	
CUTTACK	71	0.09	7.08	52	73.24	18	25.35	1	1.41	0		0		0	
DEBAGARH	8	0.70	2.44	7	87.50	1	12.50	0		0		0		0	
DHENKANAL	43	0.10	5.55	29	67.44	12	27.91	2	4.65	0		0		0	
GAJAPATI	19	0.88	4.75	12	63.16	7	36.84	0		0		0		0	
GANJAM	64	0.23	5.72	47	73.44	15	23.44	2	3.13	0		0		0	
JAGATSINGHAPUR	13	0.68	2.70	12	92.31	1	7.69	0		0		0		0	
JAJAPUR	16	1.08	4.11	9	56.25	7	43.75	0		0		0		0	
JHARSUGUDA	10	0.61	3.13	8	80.00	2	20.00	0		0		0		0	
KALAHANDI	32	0.49	4.32	20	62.50	12	37.50	0		0		0		0	
KANDHAMAL	21	0.15	5.60	3	14.29	15	71.43	3	14.29	0		0		0	
KENDRAPARA	26	0.05	2.10	25	96.15	1	3.85	0		0		0		0	
KENDUJHAR	73	0.95	9.10	15	20.55	55	75.34	3	4.11	0		0		0	
KHORDHA	67	0.02	13.41	35	52.24	25	37.31	6	8.96	1	1.49	0		0	
KORAPUT	51	0.21	11.94	27	52.94	18	35.29	5	9.80	1	1.96	0		0	
MALKANGIRI	15	0.59	1.44	15	100.00	0		0		0		0		0	
MAYURBHANJ	101	0.46	6.20	44	43.56	55	54.46	2	1.98	0		0		0	
NABARANGAPUR	21	0.41	3.40	15	71.43	6	28.57	0		0		0		0	
NAYAGARH	38	0.03	5.63	25	65.79	12	31.58	1	2.63	0		0		0	
NUAPADA	13	1.14	4.46	3	23.08	10	76.92	0		0		0		0	
PURI	74	0.03	8.75	54	72.97	13	17.57	7	9.46	0		0		0	
RAYAGADA	20	0.72	6.68	11	55.00	5	25.00	4	20.00	0		0		0	
SAMBALPUR	51	0.40	6.05	34	66.67	15	29.41	2	3.92	0		0		0	
SONAPUR	34	0.53	4.42	27	79.41	7	20.59	0		0		0		0	
SUNDARGARH	70	0.21	8.06	41	58.57	25	35.71	4	5.71	0		0		0	
Total	1193	0.03	13.41	745	62.44	400	33.52	46	3.85	2	0.16	0		0	

7.1.3 DEPTH TO WATER LEVEL OF NOVEMBER 2020

A perusal of data and maps pertaining to November 2020 shows that the depth to water level ranges from 0.01 to 12.76 mbgl and in majority (44.06%) of NHS wells level was in the range of 0-2 m below ground level and 47.64% of wells in 2-5 m below ground level. The district-wise depth to water level of November 2020 is shown in **Table 7.3** and the depth to water level map has been shown in **Plate-7.3**.

Water level between 0-2 m

44.06% of the wells monitored in the state has water level in this range. The coastal districts like Bhadrak (93.33%), Jagatsinghapur (90.91%) and Kendrapara (75.00%) have majority of wells with water level in this range. In most of the command areas of the state like the Hirakud, Rusikulya, Mahanadi stage I & II, Upper Kolab and Potteru the water level is in this range.

Water level between 2-5 m

47.64% of the wells monitored showed water level in this range. Among the coastal district Balasore (62.96 %), Cuttack (50%) Gajapati (44.12 %) and Puri(21.95 %) have 2 to 5 mbgl of water level. In the central and western Odisha, Boudh (50%), Nuapada (76.47%), Mayurbhanj (69.39%), Balangir (70.83%), Anugul (40.06%), and Kandhamal (34.78%) showed major of the wells in this range. All the districts of the state have recorded in this range.

Water level between 5-10 m

Water level in this range was recorded in 8.06% of the wells in the state. About 11.32%of wells in Anugul, Kandhamal (52.17%), Khordha (18.18%) Dhenkanal (10.26%), Jajpur (12.82%), Koraput (27.12%),Mayurbhanj (12.24%), Puri (10.98%), Rayagada (23.81%) and Sundargarh (10.81%) district have showed water level of the wells in this range. They occur as isolated patches in almost all the districts except Balangir, Baudh, Bhadrak, Cuttack, Debagarh, Jagatsinghapur, Jharsuguda, Kendrapara, Nayagarh and Nuapada.

Water level between 10-20 m

Only 3 wells (0.33%) fall in this category. 1 in Jajapur, 1 in Koraput and 1 in Mayurbhanj.

Water level more than 20m

None of the wells monitored during November 2020 showed water level in this range. In general the water level in the state during November 2020 monitoring is found in the range of 0-2 m bgl especially in the coastal stretch and in parts of the hilly terrain, whereas 2-5 m bgl water level is found in the coastal and hard rock terrain.

DEPTH TO WATER LEVEL AND FREQUENCY DISTRIBUTION OF MONITORING WELLS - NOVEMBER- 2020

TABLE - 7.3

District	No. of Wells Analysed	Depth to water level (mbgl)		No. and percentage of wells showing depth to water level (mbgl) in the range of											
		Min	Max	<2		2 - 5		5 - 10		10 - 20		20 - 40		> 40	
				No	%	No	%	No	%	No	%	No	%	No	%
ANUGUL	53	0.11	8.4	21	39.62	26	40.06	6	11.32	0		0		0	
BALANGIR	72	0.63	5.00	21	29.17	51	70.83	0		0		0		0	
BALESHWAR	27	0.29	7.34	9	33.33	17	62.96	1	3.70	0		0		0	
BARGARH	71	0.23	6.04	38	53.52	30	42.25	3	4.23	0		0		0	
BAUDH	46	0.30	3.64	23	50.00	23	50.00	0		0		0		0	
BHADRAK	15	0.42	2.20	14	93.33	1	6.67	0		0		0		0	
CUTTACK	58	0.05	4.60	29	50.00	29	50.00	0		0		0		0	
DEBAGARH	11	0.65	4.03	4	36.36	7	63.64	0		0		0		0	
DHENKANAL	39	0.43	7.35	17	43.59	18	46.15	4	10.26	0		0		0	
GAJAPATI	34	0.83	6.30	18	52.94	15	44.12	1	2.94	0		0		0	
GANJAM	83	0.08	6.00	55	66.27	27	32.53	1	1.20	0		0		0	
JAGATSinghapur	11	0.68	4.03	10	90.91	1	9.09	0		0		0		0	
JAJAPUR	39	0.55	10.20	18	46.15	15	38.46	5	12.82	1	2.56	0		0	
JHARSUGUDA	14	0.95	5.00	8	57.14	6	42.86	0		0		0		0	
KALAHANDI	36	0.02	6.29	19	52.78	14	38.89	3	8.33	0		0		0	
KANDHAMAL	23	0.95	9.10	3	13.04	8	34.78	12	52.17	0		0		0	
KENDRAPARA	28	0.16	2.90	21	75.00	7	25.00	0		0		0		0	
KENDUJHAR	79	1.45	7.65	10	12.66	64	81.01	5	6.33	0		0		0	
KHORDHA	44	0.55	8.05	15	34.09	21	47.73	8	18.18	0		0		0	
KORAPUT	59	0.02	12.76	14	23.73	28	47.46	16	27.12	1	1.69	0		0	
MALKANGIRI	19	0.88	5.71	13	68.42	5	26.32	1	5.26	0		0		0	
MAYURBHANJ	98	1.05	10.30	17	17.35	68	69.39	12	12.24	1	1.02	0		0	
NABARANGAPUR	25	0.68	5.96	10	40.00	13	52.00	2	8.00	0		0		0	
NAYAGARH	36	0.01	4.54	22	61.11	14	38.89	0		0		0		0	
NUAPADA	17	0.90	4.95	4	23.53	13	76.47	0		0		0		0	
PURI	82	0.05	8.30	55	67.07	18	21.95	9	10.98	0		0		0	
RAYAGADA	21	0.20	9.53	11	52.38	5	23.81	5	23.81	0		0		0	
SAMBALPUR	77	0.20	7.40	37	48.05	35	45.45	5	6.49	0		0		0	
SONAPUR	48	0.40	5.28	31	64.58	16	33.33	1	2.08	0		0		0	
SUNDARGARH	74	0.20	9.50	23	31.08	43	58.11	8	10.81	0		0		0	
Total	1339	0.01	12.76	590	44.06	638	47.64	108	8.06	3	0.22	0		0	

7.1.4. DEPTH TO WATER LEVEL OF JANUARY 2021

A perusal of data and maps pertaining to January 2021 shows that the depth to water level ranges from 0.03 to 17.30 mbgl and in majority (60.21%) of NHS wells level was in the range of 2-5 m below ground level and 20.43% of wells in 0-2 m below ground level. The district-wise depth to water level of January 2020 is shown in **Table 7.4** and the depth to water level map has been shown in **Plate-7.4**.

Water level between 0-2 m

20.43% of the wells monitored in the state has water level in this range. The coastal districts like Jagatsinghapur (69.23%), Kendrapara (53.33%), and Bhadrak (75.00%) have majority of wells with water level in this range. In most of the command areas of the state like the Hirakud, Rusikulya, Mahanadi stage I & II, Upper Kolab and Potteru the water level is in this range.

Water level between 2-5 m

60.21% of the monitored wells showed water level in this range. Among the coastal district Balasore (66.67%), Cuttack (56.72%) Gajapati (75.76%) and Puri(46.84%) have 2 to 5 mbgl of water level. In the central and western Odisha, Boudh (91.49%), Nuapada (70.00%), Mayurbhanj (68.00%), Balangir (75.68%), Anugul (52.54%), and Kalahandi (72.73%) showed more than 50% of the wells in this range. All the districts of the state have recorded in this range.

Water level between 5-10 m

Water level in this range was recorded in 18.27% of the wells in the state. About 37.29% of wells in Anugul, Kandhamal (58.33%), Khordha (43.75%) Dhenkanal (34.15%), Debagarh (20.00%), Koraput (36.36%) and Nabarangapur (20.83%) district have showed water level of the wells in this range. They occur as isolated patches in almost all the districts except Kendrapara.

Water level between 10-20 m

Only 15 wells (1.07%) fall in this category. 2 in Anugul, 3 in Jajapur, 2 in Kandhamal, 1 in Khordha, 1 in Koraput, 2 in Mayurbhanj, 1 in Nuapada, 1 in Rayagada, 1 in Sambalpur and 1 in Sundargarh.

Water level more than 20m

None of the wells monitored during January 2021 showed water level in this range.

In general the water level in the state during January 2021 monitoring is found in the range of 0-2 m bgl especially in the coastal stretch and in parts of the hilly terrain, whereas 2-5 m bgl water level is found in the coastal and hard rock terrain.

DEPTH TO WATER LEVEL AND FREQUENCY DISTRIBUTION OF MONITORING WELLS - JANUARY- 2021

TABLE - 7.4

District	No. of Wells Analysed	Depth to water level (mbgl)		No. and percentage of wells showing depth to water level (mbgl) in the range of											
		Min	Max	<2		2 - 5		5 - 10		10 - 20		20 - 40		> 40	
				No	%	No	%	No	%	No	%	No	%	No	%
ANUGUL	59	0.11	10.85	4	6.78	31	52.54	22	37.29	2	3.39	0		0	
BALANGIR	74	1.15	6.65	10	13.51	56	75.68	8	10.81	0		0		0	
BALESHWAR	30	0.39	5.94	7	23.33	20	66.67	3	10.00	0		0		0	
BARGARH	69	0.03	8.39	21	30.43	36	52.17	12	17.39	0		0		0	
BAUDH	47	1.45	5.71	2	4.26	43	91.49	2	4.26	0		0		0	
BHADRAK	16	1.02	6.30	12	75.00	2	12.50	2	12.50	0		0		0	
CUTTACK	67	0.25	6.78	25	37.31	38	56.72	4	5.97	0		0		0	
DEBAGARH	10	2.54	5.80	0		8	80.00	2	20.00	0		0		0	
DHENKANAL	41	1.32	8.00	3	7.32	24	58.54	14	34.15	0		0		0	
GAJAPATI	33	1.16	7.83	5	15.15	25	75.76	3	9.09	0		0		0	
GANJAM	83	0.35	7.73	26	31.33	49	59.04	8	9.64	0		0		0	
JAGATSINGHAPUR	13	1.30	5.10	9	69.23	3	23.08	1	7.69	0		0		0	
JAJAPUR	50	0.25	11.60	15	30.00	20	40.00	12	24.00	3	6.00	0		0	
JHARSUGUDA	15	1.49	6.26	2	13.33	9	60.00	4	26.67	0		0		0	
KALAHANDI	33	0.67	8.85	4	12.12	24	72.73	5	15.15	0		0		0	
KANDHAMAL	24	0.85	13.25	1	4.17	7	29.17	14	58.33	2	8.33	0		0	
KENDRAPARA	30	0.60	3.72	16	53.33	14	46.67	0		0		0		0	
KENDUJHAR	78	1.69	8.10	2	2.56	69	88.46	7	8.97	0		0		0	
KHORDHA	64	0.12	11.60	9	14.06	26	40.63	28	43.75	1	1.56	0		0	
KORAPUT	55	0.10	13.20	7	12.73	27	49.09	20	36.36	1	1.82	0		0	
MALKANGIRI	20	1.05	6.50	6	30.00	12	60.00	2	10.00	0		0		0	
MAYURBHANJ	100	0.41	17.30	10	10.00	68	68.00	20	20.00	2	2.00	0		0	
NABARANGAPUR	24	1.70	7.90	1	4.17	18	75.00	5	20.83	0		0		0	
NAYAGARH	36	0.06	6.55	6	16.67	26	72.22	4	11.11	0		0		0	
NUAPADA	20	1.80	10.92	1	5.00	14	70.00	4	20.00	1	5.00	0		0	
PURI	79	0.30	8.79	33	41.77	37	46.84	9	11.39	0		0		0	
RAYAGADA	19	1.15	10.50	7	36.84	9	47.37	2	10.53	1	5.26	0		0	
SAMBALPUR	76	0.30	10.10	16	21.05	48	63.16	11	14.47	1	1.32	0		0	
SONAPUR	48	0.44	6.92	12	25.00	28	58.33	8	16.67	0		0		0	
SUNDARGARH	77	0.49	10.45	12	15.58	46	59.74	18	23.38	1	1.30	0		0	
Total	1390	0.03	17.30	284	20.43	837	60.21	254	18.27	15	1.07	0		0	

7.2 FLUCTUATION IN COMPARISON TO CORRESPONDING PERIOD OF PREVIOUS YEAR

7.2.1 APRIL 2019 - APRIL 2020

The district-wise categorization of change in water level during April-2019 with respect to that of April-2020 has been given in **Table 7.5** and has been presented in **Plate 7.5**.

Rise of water level

A perusal of data and map showing the variation in water level of April 2019 with respect to April 2020 shows that 33.83% of the wells recorded a rise in water level. Maximum number of wells have shown rise in 0-2m range, i.e., 31.64% of the total wells analysed. All the districts show this range of rise including the command areas of the state. Rise in 2-4m range is noticed only in 2.02% of the wells, mainly in Baleshwar, Kalahandi, Koraput, Malkangiri and Rayagada districts. Rise of more than 4m is observed only in 0.16 % of the wells in Koraput and Sundargarh districts.

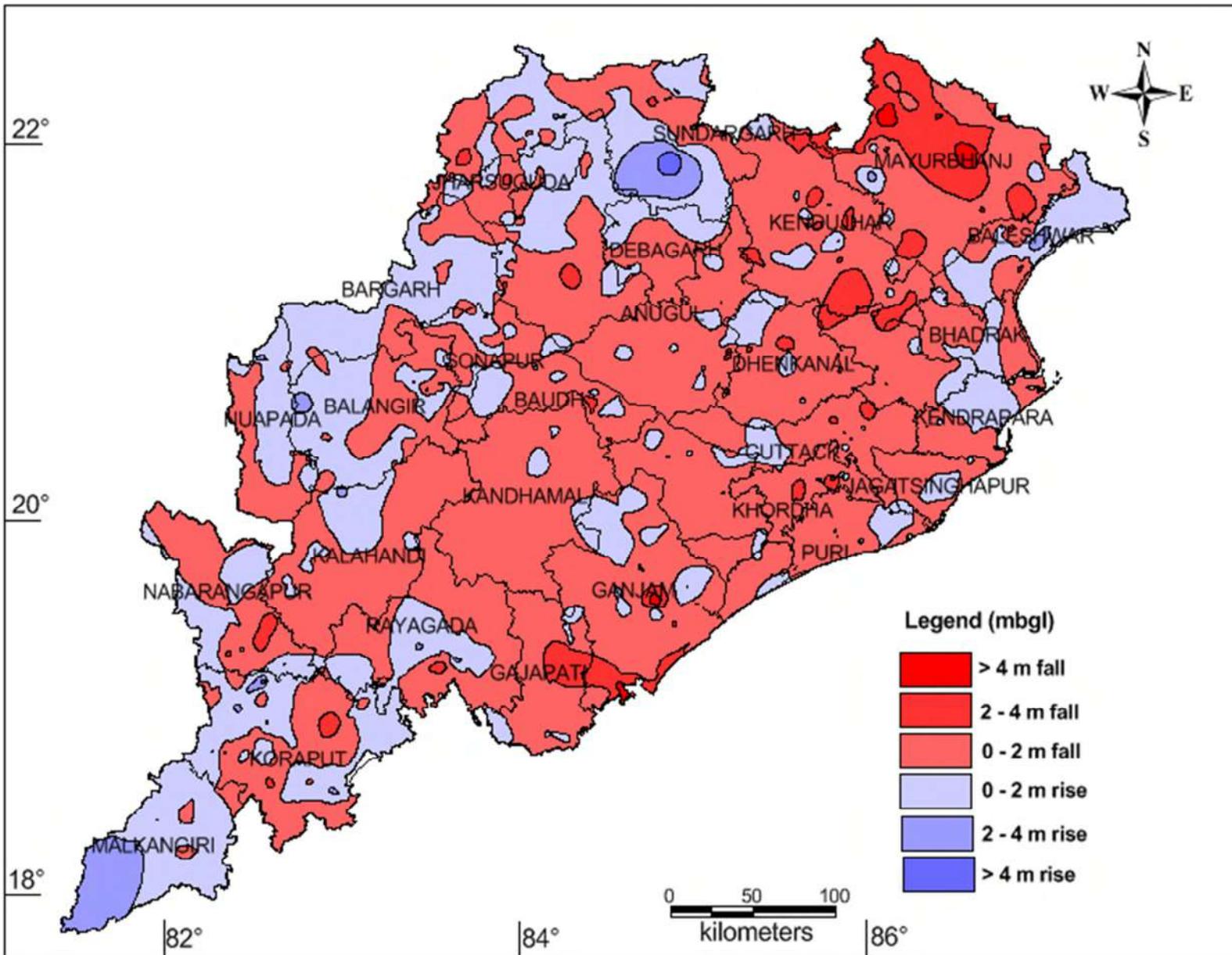
Fall of water level

A perusal of data and map pertaining to the fluctuation of April 2019 with respect to April 2020 shows that in 64.39% of wells there has been fall in water level. The fall in water level in the range of 0-2m have been observed in 56.22 % of the wells in the state. It varies from minimum of 21.43 % in Bargarh district to maximum of 84.62% in Jajapur district. Fall in 2-4m range is observed only in 7.32% of wells. More than 4 m fall in water level has been observed in a minor 0.84% wells of the state.

In general a rise and fall in water level has been observed in April 2019 with respect to April 2020.

**WATER LEVEL FLUCTUATION MAP
APRIL 2019 VS APRIL 2020**

PLATE:7.5



DISTRICT WISE CATEGORIZATION OF CHANGE IN WATER LEVEL: APRIL 2019 VS APRIL 2020

TABLE:-7.5

District	No. of Wells	No. of Wells showing		Range				No. of Wells/Percentage Showing Fluctuation											
		Rise	Fall	Rise (m)		Fall (m)		Rise (m)						Fall (m)					
				Min	Max	Min	Max	0 -2 m		2 - 4 m		>4 m		0 -2 m		2 - 4 m		>4 m	
								No	%	No	%	No	%	No	%	No	%	No	%
ANUGUL	56	12	42	0.04	0.76	0.01	5.70	12	21.43	0		0		40	71.43	1	1.79	1	1.79
BALANGIR	68	35	29	0.02	2.96	0.01	2.64	34	50.00	1	1.47	0		27	39.71	2	2.94	0	
BALESHWAR	20	11	9	0.05	3.18	0.28	2.28	9	45.00	2	10.00	0		6	30.00	3	15.00	0	
BARGARH	56	44	12	0.03	1.86	0.01	1.55	44	78.57	0		0		12	21.43	0		0	
BAUDH	44	11	32	0.04	1.55	0.04	3.11	11	25.00	0		0		28	63.64	4	9.09	0	
BHADRAK	14	7	7	0.01	0.62	0.06	1.37	7	50.00	0		0		7	50.00	0		0	
CUTTACK	62	11	51	0.04	1.08	0.03	2.66	11	17.74	0		0		48	77.42	3	4.84	0	
DEBAGARH	7	2	4	0.13	0.28	0.07	1.24	2	28.57	0		0		4	57.14	0		0	
DHENKANAL	41	8	33	0.09	1.57	0.05	3.95	8	19.51	0		0		28	68.29	5	12.20	0	
GAJAPATI	27	9	18	0.06	1.86	0.02	3.33	9	33.33	0		0		17	62.96	1	3.70	0	
GANJAM	65	15	49	0.05	2.15	0.01	5.40	14	21.54	1	1.54	0		40	61.54	6	9.23	3	4.62
JAGATSINGHAPUR	9	2	7	0.46	0.93	0.10	1.66	2	22.22	0		0		7	77.78	0		0	
JAJAPUR	26	3	23	0.08	0.31	0.04	2.40	3	11.54	0		0		22	84.62	1	3.85	0	
JHARSUGUDA	15	10	5	0.10	1.85	0.20	2.53	10	66.67	0		0		4	26.67	1	6.67	0	
KALAHANDI	33	13	20	0.02	2.95	0.10	2.48	11	33.33	2	6.06	0		19	57.58	1	3.03	0	
KANDHAMAL	15	2	12	0.12	0.20	0.05	1.40	2	13.33	0		0		12	80.00	0		0	
KENDRAPARA	17	6	10	0.02	0.62	0.03	1.68	6	35.29	0		0		10	58.82	0		0	
KENDUJHAR	57	11	46	0.01	2.11	0.03	3.71	10	17.54	1	1.75	0		30	52.63	16	28.07	0	
KHORDHA	55	6	46	0.11	3.47	0.06	5.40	4	7.27	2	3.64	0		41	74.55	3	5.45	2	3.64
KORAPUT	57	31	26	0.02	4.57	0.01	3.12	25	43.86	5	8.77	1	1.75	23	40.35	3	5.26	0	
MALKANGIRI	19	12	7	0.09	2.44	0.01	1.89	11	57.89	1	5.26	0		7	36.84	0		0	
MAYURBHANJ	72	5	67	0.92	2.75	0.03	4.78	4	5.56	1	1.39	0		37	51.39	26	36.11	4	5.56
NABARANGAPUR	24	11	13	0.02	1.48	0.06	2.61	11	45.83	0		0		10	41.67	3	12.50	0	
NAYAGARH	33	5	28	0.11	0.58	0.02	3.33	5	15.15	0		0		26	78.79	2	6.06	0	
NUAPADA	21	11	10	0.05	3.42	0.07	1.35	10	47.62	1	4.76	0		10	47.62	0		0	
PURI	69	16	47	0.03	0.42	0.03	1.94	16	23.19	0		0		47	68.12	0		0	
RAYAGADA	22	11	11	0.03	2.52	0.10	2.74	9	40.91	2	9.09	0		10	45.45	1	4.55	0	
SAMBALPUR	68	30	37	0.02	2.74	0.10	3.42	29	42.65	1	1.47	0		35	51.47	2	2.94	0	
SONAPUR	46	30	16	0.02	2.40	0.04	3.41	28	60.87	2	4.35	0		15	32.61	1	2.17	0	
SUNDARGARH	70	22	48	0.04	4.86	0.02	3.23	19	27.14	2	2.86	1	1.43	46	65.71	2	2.86	0	
Total	1188	402	765	0.01	4.86	0.01	5.70	376	31.64	24	2.02	2	0.16	668	56.22	87	7.32	10	0.84

7.2.2 AUGUST 2019 - AUGUST 2020

The district-wise categorization of change in water level during August-2019 with respect to that of August-2020 has been given in **Table 7.6** and rise/ fall map has been presented in **Plate 7.6**.

Rise in water level

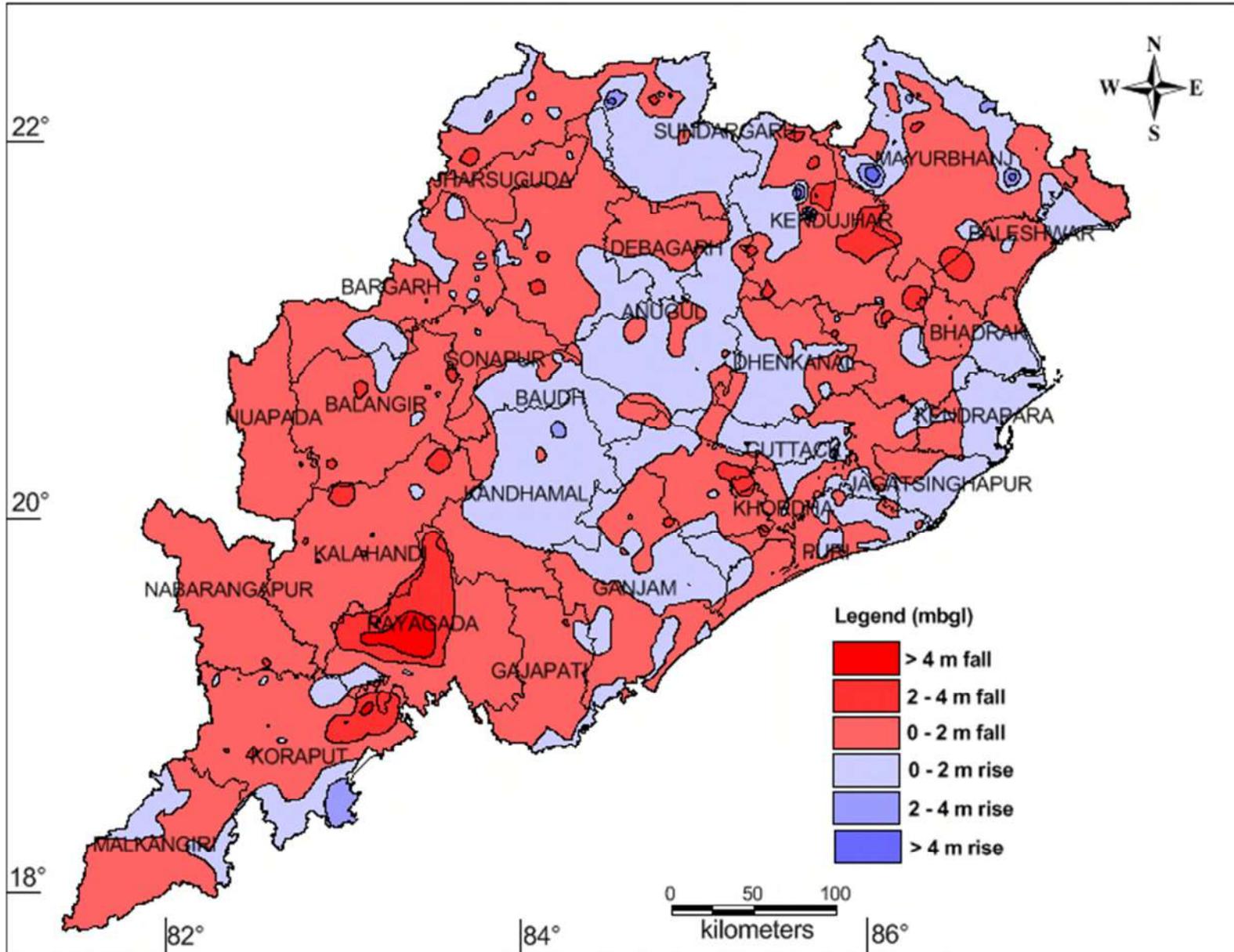
A perusal of data and maps pertaining to fluctuation of August 2019 water level with that of August 2020 showed that 35.13% of the total stations showed a rise in water level. The rise is more in 0-2 m range ie about 33.27%; 1.30% in 2-4 m range and 0.55% in greater than 4 m range. All the districts have recorded water level in 0-2m range except Nabarangpur and Nuapada. 2-4m range occurs in isolated patches throughout the state. Only 6 wells (0.55%) of the total wells monitored showed greater than 4 m rise.

Fall in water level

A total of 63.38% NHS showed a fall in water level in August 2019 as compared to August 2020. Out of which 57.71% wells showed fall in 0-2m range, 5.20% in 2-4m range and a minor 0.46% in greater than 4 m range. Jharsuguda district shows a maximum fall of 90.00% and Kandhamal district shows a minimum fall of 8.33% in the range of 0-2m. Fall in 2-4m range is found in isolated patches in the state with districts mainly Baleshwar, Balangir, Gajapati, Kalahandi, Kendujhar, Koraput, Nabarangapur and Rayagada districts. Greater than 4m fall in water level is found in Kendujhar, Koraput and Rayagada. They occur as minor patches within areas showing fall in 2-4m range.

**WATER LEVEL FLUCTUATION MAP
AUGUST 2019 VS AUGUST 2020**

PLATE:7.6



DISTRICT WISE CATEGORIZATION OF CHANGE IN WATER LEVEL : AUGUST 2019 VS AUGUST 2020

TABLE:- 7.6

District	No. of Wells	No. of Wells showing		Range				No. of Wells/Percentage Showing Fluctuation											
		Rise	Fall	Rise (m)		Fall (m)		Rise (m)						Fall (m)					
				Min	Max	Min	Max	0 -2 m		2 - 4 m		>4 m		0 -2 m		2 - 4 m		>4 m	
								No	%	No	%	No	%	No	%	No	%	No	%
ANUGUL	56	37	16	0.10	3.40	0.05	1.56	35	62.50	2	3.57	0		16	28.57	0		0	
BALANGIR	46	4	42	0.02	0.95	0.03	2.80	4	8.70	0		0		37	80.43	5	10.87	0	
BALESHWAR	15	3	12	0.28	1.40	0.11	3.85	3	20.00	0		0		10	66.67	2	13.33	0	
BARGARH	51	18	32	0.07	1.15	0.04	1.85	18	35.29	0		0		32	62.75	0		0	
BAUDH	44	34	7	0.05	1.40	0.05	0.66	34	77.27	0		0		7	15.91	0		0	
BHADRAK	14	4	10	0.03	2.00	0.30	2.02	4	28.57	0		0		9	64.29	1	7.14	0	
CUTTACK	61	26	35	0.03	1.80	0.05	1.39	26	42.62	0		0		35	57.38	0		0	
DEBAGARH	8	2	6	0.29	0.69	0.29	1.48	2	25.00	0		0		6	75.00	0		0	
DHENKANAL	42	27	14	0.10	1.60	0.05	0.90	27	64.29	0		0		14	33.33	0		0	
GAJAPATI	19	10	9	0.01	1.44	0.26	2.49	10	52.63	0		0		7	36.84	2	10.53	0	
GANJAM	62	28	33	0.04	1.65	0.06	2.53	28	45.16	0		0		32	51.61	1	1.61	0	
JAGATSINGHAPUR	9	4	5	0.15	1.60	0.05	0.85	4	44.44	0		0		5	55.56	0		0	
JAJAPUR	15	2	13	0.01	0.07	0.11	2.53	2	13.33	0		0		12	80.00	1	6.67	0	
JHARSUGUDA	10	1	9	0.09	0.09	0.18	1.42	1	10.00	0		0		9	90.00	0		0	
KALAHANDI	32	2	30	0.08	0.59	0.16	3.12	2	6.25	0		0		25	78.13	5	15.63	0	
KANDHAMAL	12	11	1	0.45	2.85	0.20	0.20	10	83.33	1	8.33	0		1	8.33	0		0	
KENDRAPARA	16	10	6	0.02	1.95	0.06	0.68	10	62.50	0		0		6	37.50	0		0	
KENDUJHAR	59	11	48	0.07	5.70	0.04	4.15	9	15.25	0		2	3.39	34	57.63	13	22.03	1	1.69
KHORDHA	63	29	34	0.02	4.25	0.06	3.56	27	42.86	1	1.59	1	1.59	30	47.62	4	6.35	0	
KORAPUT	50	10	40	0.02	2.71	0.02	4.49	8	16.00	2	4.00	0		33	66.00	5	10.00	2	4.00
MALKANGIRI	15	4	10	0.38	0.91	0.03	0.56	4	26.67	0		0		10	66.67	0		0	
MAYURBHANJ	69	27	42	0.02	6.17	0.05	3.02	20	28.99	5	7.25	2	2.90	38	55.07	4	5.80	0	
NABARANGAPUR	19	0	19	-	-	0.07	3.00	0		0		0		17	89.47	2	10.53	0	
NAYAGARH	36	11	24	0.05	1.00	0.05	2.90	11	30.56	0		0		22	61.11	2	5.56	0	
NUAPADA	13	0	13	-	-	0.60	2.29	0		0		0		12	92.31	1	7.69	0	
PURI	68	25	40	0.02	2.15	0.02	1.70	24	35.29	1	1.47	0		40	58.82	0		0	
RAYAGADA	20	4	16	0.01	1.39	0.05	6.44	4	20.00	0		0		12	60.00	2	10.00	2	10.00
SAMBALPUR	50	13	35	0.02	1.84	0.01	3.70	13	26.00	0		0		32	64.00	3	6.00	0	
SONAPUR	34	5	29	0.04	0.40	0.02	2.26	5	14.71	0		0		28	82.35	1	2.94	0	
SUNDARGARH	68	16	52	0.20	5.51	0.04	3.32	13	19.12	2	2.94	1	1.47	50	73.53	2	2.94	0	
Total	1076	378	682	0.01	6.17	0.01	6.44	358	33.27	14	1.3	6	0.55	621	57.71	56	5.2	5	0.46

7.2.3 NOVEMBER 2019 - NOVEMBER 2020

The district-wise categorisation of change in water level during November-2019 with respect to November-2020 has been given in **table 7.7** and rise/ fall map has been presented in **Plate 7.7**.

Rise in water level

A perusal of data and maps pertaining to fluctuation of November 2020 water level with that of November 2019 showed that 53.84% of the total stations showed a rise in water level. The rise is more in 0-2 m range i.e. 50.43%; 2.97% in 2-4 m range and 0.47% in more than 4 m range. All the districts have recorded rise in 0-2m range. Most of the districts show water level rise in 2-4 m range except Balangir, Baleshwar, Bhadrak, Cuttack, Debagarh, Jagatsinghapur, Jajpur, Jharsuguda, Kalahandi, Kendrapara, Khordha, Malkangiri, Nuapada, Puri and Rayagada. Only 5 wells (0.47%) of the total wells monitored showed greater than 4 m rise. They occur as minor patches within the state.

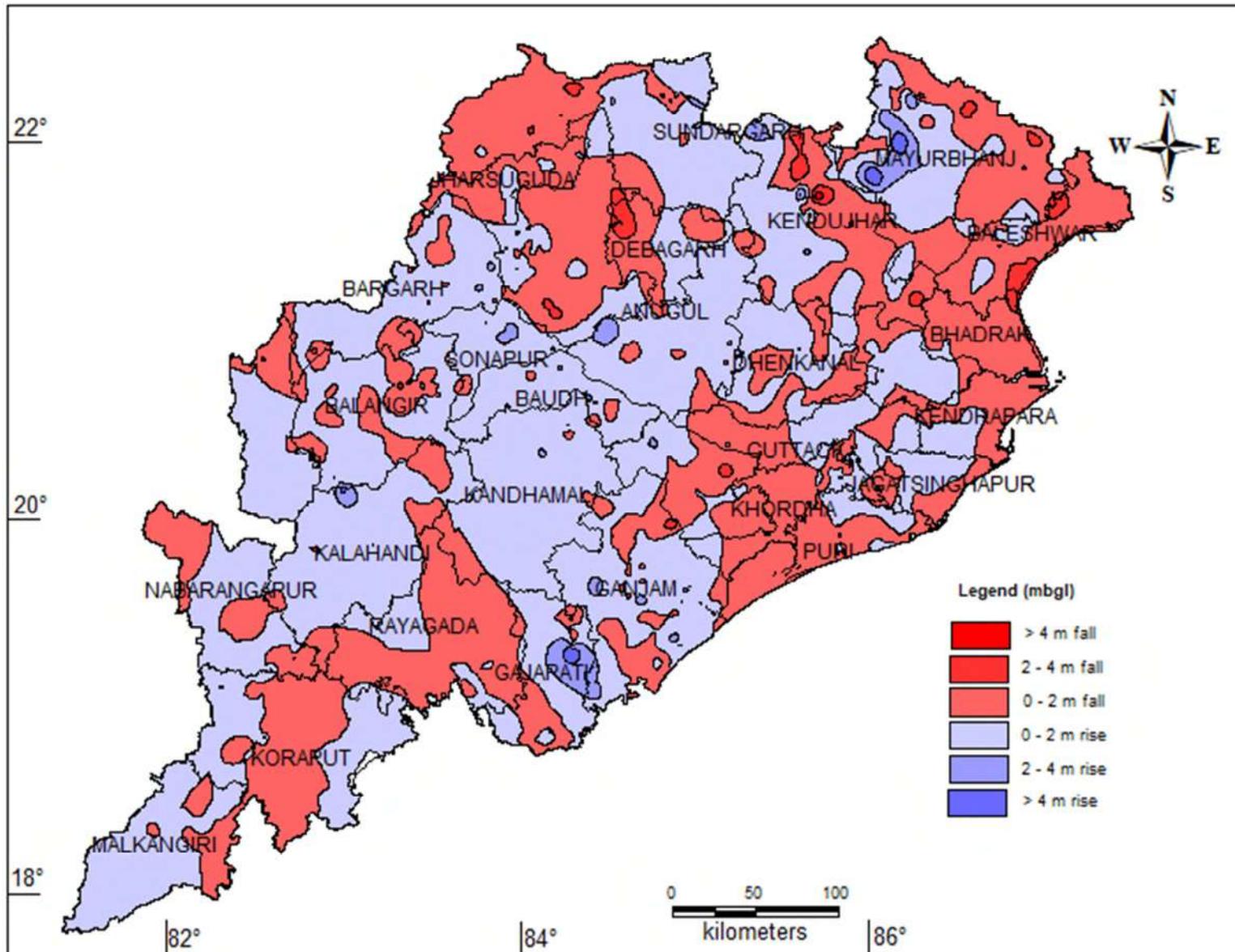
Fall in water level

A total of 43.35% NHS showed a fall in water level in November 2020. About 41.34% wells showed fall in 0-2m range, 1.92% in 2-4m range and a minor 0.08% in greater than 4 m range. All the districts have recorded fall in the range of 0-2m. Fall in 2-4m range is found in Balangir, Baleshwar, Bargarh, Debagarh, Gajapati, Ganjam, Kendujhar, Khordha, Mayurbhanj, Nayagarh, Sambalpur and Sundargarh. Greater than 4m fall in water level is found in Kendujhar district.

In general a rise in water level is observed throughout the state during November 2019 with respect to November 2020 and majority of wells recorded 0-2 m rise due to variation of monsoon rainfall and development.

**WATER LEVEL FLUCTUATION MAP
NOVEMBER 2019 VS NOVEMBER 2020**

PLATE:7.7



DISTRICT WISE CATEGORIZATION OF CHANGE IN WATER LEVEL: NOVEMBER 2019 Vs NOVEMBER 2020

TABLE:-7.7

District	No. of Wells	No. of Wells showing		Range				No. of Wells/Percentage Showing Fluctuation											
								Rise (m)						Fall (m)					
				Rise (m)		Fall (m)		0 -2 m		2 - 4 m		>4 m		0 -2 m		2 - 4 m		>4 m	
				Min	Max	Min	Max	No	%	No	%	No	%	No	%	No	%	No	%
ANUGUL	52	42	9	0.05	3.60	0.05	1.60	39	75.00	3	5.77	0		9	17.31	0		0	
BALANGIR	71	46	17	0.02	1.40	0.02	3.00	46	64.79	0		0		16	22.54	1	1.41	0	
BALESHWAR	21	4	15	0.20	2.00	0.20	3.70	4	19.05	0		0		12	57.14	3	14.29	0	
BARGARH	59	46	12	0.05	3.31	0.03	2.75	43	72.88	3	5.08	0		11	18.64	1	1.69	0	
BAUDH	41	38	3	0.02	2.41	0.80	1.13	34	82.93	4	9.76	0		3	7.32	0		0	
BHADRAK	11	2	9	0.10	1.00	0.10	1.50	2	18.18	0		0		9	81.82	0		0	
CUTTACK	46	22	24	0.04	1.85	0.02	1.15	22	47.83	0		0		24	52.17	0		0	
DEBAGARH	9	3	6	0.05	0.69	0.07	2.85	3	33.33	0		0		5	55.56	1	11.11	0	
DHENKANAL	39	22	16	0.05	2.30	0.15	1.15	20	51.28	2	5.13	0		16	41.03	0		0	
GAJAPATI	30	15	14	0.10	4.86	0.10	2.18	13	43.33	1	3.33	1	3.33	13	43.33	1	3.33	0	
GANJAM	70	40	28	0.02	3.00	0.04	2.70	36	51.43	4	5.71	0		27	38.57	1	1.43	0	
JAGATSINGHAPUR	9	6	3	0.12	0.67	0.05	0.25	6	66.67	0		0		3	33.33	0		0	
JAJAPUR	25	14	11	0.10	0.85	0.10	0.29	14	56.00	0		0		11	44.00	0		0	
JHARSUGUDA	12	5	6	0.05	0.60	0.32	1.78	5	41.67	0		0		6	50.00	0		0	
KALAHANDI	30	23	7	0.02	4.50	0.02	0.62	22	73.33	0		1	3.33	7	23.33	0		0	
KANDHAMAL	22	20	2	0.09	2.16	0.13	0.40	18	81.82	2	9.09	0		2	9.09	0		0	
KENDRAPARA	18	10	8	0.02	0.42	0.05	1.65	10	55.56	0		0		8	44.44	0		0	
KENDUJHAR	58	23	35	0.08	4.15	0.07	5.08	19	32.76	3	5.17	1	1.7	31	53.45	3	5.17	1	1.7
KHORDHA	40	17	20	0.02	0.70	0.03	2.20	17	42.50	0		0		19	47.50	1	2.50	0	
KORAPUT	52	23	29	0.01	2.27	0.02	1.83	22	42.31	1	1.92	0		29	55.77	0		0	
MALKANGIRI	19	14	5	0.03	0.67	0.05	0.50	14	73.68	0		0		5	26.32	0		0	
MAYURBHANJ	67	28	38	0.10	7.20	0.03	3.60	24	35.82	2	2.99	2	2.99	34	50.75	4	5.97	0	
NABARANGAPUR	22	12	10	0.02	2.26	0.02	1.50	11	50.00	1	4.55	0		10	45.45	0		0	
NAYAGARH	33	16	16	0.05	2.47	0.05	2.65	15	45.45	1	3.03	0		15	45.45	1	3.03	0	
NUAPADA	17	10	5	0.05	0.93	0.05	0.45	10	58.82	0		0		5	29.41	0		0	
PURI	75	28	42	0.02	0.55	0.02	1.85	28	37.33	0		0		42	56.00	0		0	
RAYAGADA	17	3	13	0.06	0.99	0.03	1.52	3	17.65	0		0		13	76.47	0		0	
SAMBALPUR	65	28	37	0.04	2.67	0.01	2.53	27	41.54	1	1.54	0		34	52.31	3	4.62	0	
SONAPUR	43	41	2	0.04	2.55	0.30	0.40	37	86.05	4	9.30	0		2	4.65	0		0	
SUNDARGARH	71	15	54	0.04	2.16	0.04	2.75	13	18.31	2	2.82	0		52	73.24	2	2.82	0	
Total	1144	616	496	0.01	7.20	0.01	5.08	577	50.43	34	2.97	5	0.47	473	41.34	22	1.92	1	.08

7.2.4 JANUARY 2020 – JANUARY 2021

The district-wise categorisation of change in water level during January-2020 with respect to that of January-2021 has been given in **Table 7.8** and has been presented in **Plate 7.8**.

Rise in water level

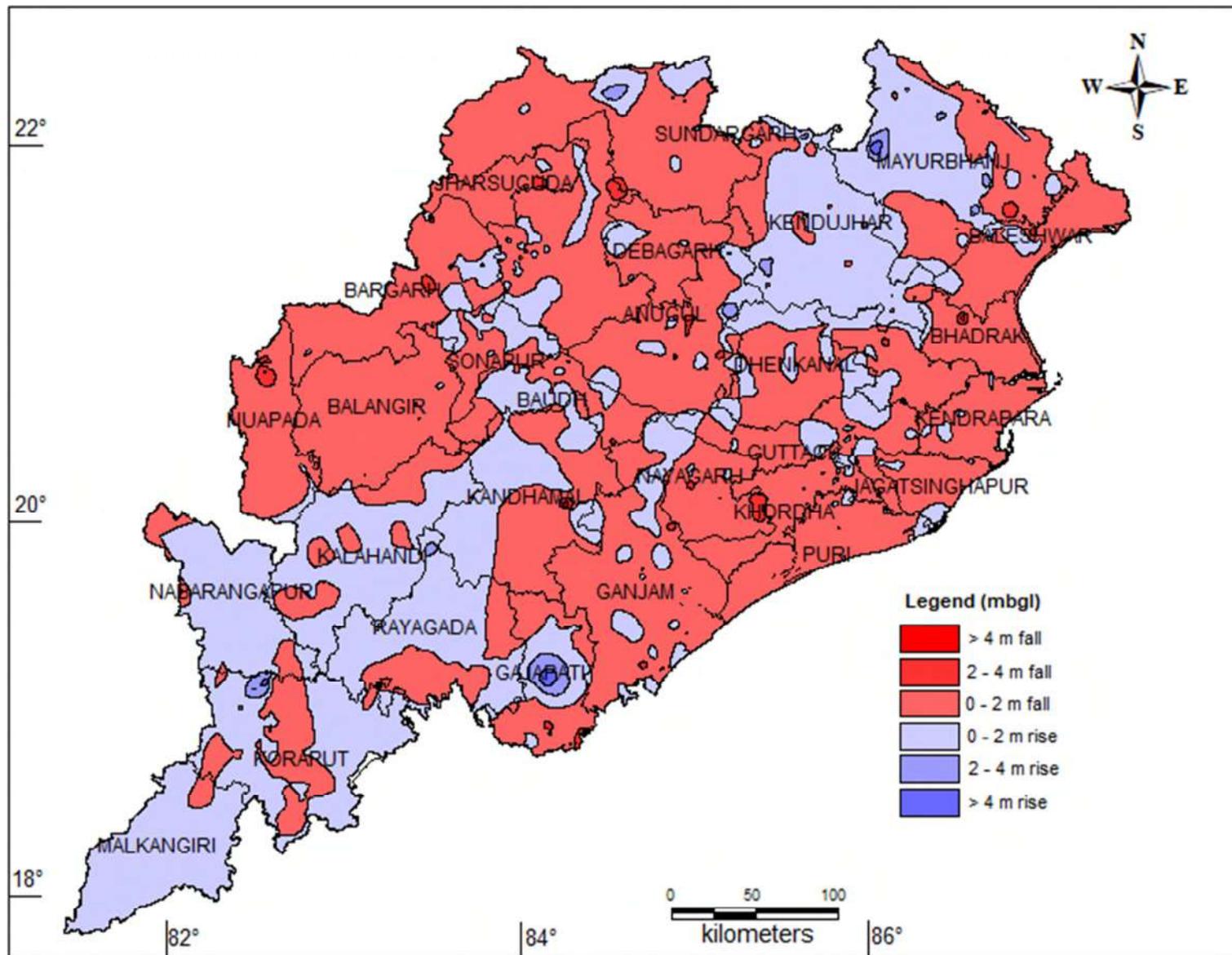
A perusal of data and maps pertaining to fluctuation of January 2021 water level with that of January 2020 showed that 33.64% of the total stations showed a rise in water level. The rise is more in 0-2 m range ie about 31.83%, 1.41% in 2-4 m range and 0.39% in greater than 4 m range. All the districts have recorded water level in 0-2m range. 2-4m range occurs in isolated patches throughout the state. Only 5 wells (0.39%) of the total wells monitored showed greater than 4 m rise.

Fall in water level

A total of 64.38% NHS showed a fall in water level in January 2021 as compared to January 2020. Out of which 61.22% wells showed fall in 0-2m range, 2.91% in 2-4m range and a minor 0.236% in greater than 4 m range. Balangir district shows a maximum fall of 87.32% in the range of 0-2m. Fall in 2-4m range is found in isolated patches in the state with districts mainly Anugul, Bargarh, Jajapur, Ganjam, Gajapati, Mayurbhanj, Nayagarh and Sambalpur districts. Greater than 4m fall in water level is found in Bhadrak, Kandhamal and Nuapada. They occur as minor patches.

**WATER LEVEL FLUCTUATION MAP
JANUARY 2020 VS JANUARY 2021**

PLATE:7.8



DISTRICT WISE CATEGORIZATION OF CHANGE IN WATER LEVEL: JANUARY 2020 Vs JANUARY 2021

TABLE:-7.8

District	No. of Wells	No. of Wells showing		Range				No. of Wells/Percentage Showing Fluctuation															
								Rise (m)		Fall (m)		Rise (m)						Fall (m)					
								0 -2 m		2 - 4 m		>4 m		0 -2 m		2 - 4 m		>4 m					
								No	%	No	%	No	%	No	%	No	%	No	%				
ANUGUL	57	14	42	0.05	3.65	0.10	3.95	12	21.05	2	3.51	0		36	63.16	6	10.53	0					
BALANGIR	71	8	62	0.01	1.67	0.03	1.79	8	11.27	0		0		62	87.32	0		0					
BALESHWAR	24	6	17	0.20	1.20	0.10	3.30	6	25.00	0		0		16	66.67	1	4.17	0					
BARGARH	62	23	39	0.11	1.75	0.02	2.55	23	37.10	0		0		37	59.68	2	3.23	0					
BAUDH	44	16	26	0.05	1.35	0.02	2.28	16	36.36	0		0		25	56.82	1	2.27	0					
BHADRAK	14	1	13	0.20	0.20	0.10	4.80	1	7.14	0		0		12	85.71	0		1	7.14				
CUTTACK	60	17	42	0.04	2.00	0.02	1.80	17	28.33	0		0		42	70.00	0		0					
DEBAGARH	9	3	5	0.05	0.68	0.05	1.12	3	33.33	0		0		5	55.56	0		0					
DHENKANAL	41	9	31	0.03	2.03	0.03	1.94	8	19.51	1	2.44	0		31	75.61	0		0					
GAJAPATI	33	12	21	0.01	5.07	0.05	3.43	11	33.33	0		1	3.03	18	54.55	3	9.09	0					
GANJAM	77	16	61	0.03	1.91	0.03	2.53	16	20.78	0		0		56	72.73	5	6.49	0					
JAGATSINGHAPUR	10	4	6	0.02	0.55	0.08	0.77	4	40.00	0		0		6	60.00	0		0					
JAJAPUR	30	14	16	0.01	0.52	0.03	2.38	14	46.67	0		0		14	46.67	2	6.67	0					
JHARSUGUDA	13	3	10	0.05	1.10	0.02	2.70	3	23.08	0		0		9	69.23	1	7.69	0					
KALAHANDI	31	16	15	0.01	1.27	0.01	1.64	16	51.61	0		0		15	48.39	0		0					
KANDHAMAL	23	9	13	0.10	1.20	0.15	5.20	9	39.13	0		0		12	52.17	0		1	4.35				
KENDRAPARA	22	8	14	0.05	0.42	0.02	1.80	8	36.36	0		0		14	63.64	0		0					
KENDUJHAR	63	48	15	0.04	4.85	0.10	2.30	42	66.67	5	7.94	1	1.59	14	22.22	1	1.59	0					
KHORDHA	61	17	44	0.05	1.50	0.05	2.85	17	27.87	0		0		43	70.49	1	1.64	0					
KORAPUT	54	29	24	0.02	4.49	0.01	2.58	25	46.30	2	3.70	2	3.70	23	42.59	1	1.85	0					
MALKANGIRI	18	15	2	0.07	1.31	0.23	0.30	15	83.33	0		0		2	11.11	0		0					
MAYURBHANJ	87	49	37	0.10	5.75	0.05	3.70	43	49.43	5	5.75	1	1.15	33	37.93	4	4.60	0					
NABARANGAPUR	22	15	7	0.02	2.05	0.06	1.07	14	63.64	1	4.55	0		7	31.82	0		0					
NAYAGARH	35	6	28	0.03	0.72	0.05	3.15	6	17.14	0		0		25	71.43	3	8.57	0					
NUAPADA	20	1	19	0.21	0.21	0.10	4.28	1	5.00	0		0		17	85.00	1	5.00	1	5.00				
PURI	78	9	65	0.05	0.55	0.02	1.62	9	11.54	0		0		65	83.33	0		0					
RAYAGADA	17	9	8	0.07	2.34	0.09	0.86	8	47.06	1	5.88	0		8	47.06	0		0					
SAMBALPUR	71	23	44	0.05	1.00	0.01	2.75	23	32.39	0		0		40	56.34	4	5.63	0					
SONAPUR	47	18	28	0.01	1.94	0.12	1.83	18	38.30	0		0		28	59.57	0		0					
SUNDARGARH	75	9	63	0.01	3.75	0.03	2.22	8	10.67	1	1.33	0		62	82.67	1	1.33	0					
Total	1269	427	817	(0.21)	(0.20)	0.01	5.20	404	31.83	18	1.41	5	0.39	777	61.22	37	2.91	3	0.236				

7.3 FLUCTUATION WITH RESPECT TO PRE-MONSOON WATER LEVEL

7.3.1 APRIL 2020 - AUGUST 2020

The district-wise categorization of change in water level during August-2020 with respect to that of April-2020 has been given in **Table 7.9** and rise / fall map has been presented in **Plate 7.9**.

Rise in water level

99.6 % of the wells monitored in August 2020 showed a rise in water level when compared with that of April 2020 (Pre-monsoon). 25.76% of wells showed rise in 0-2 m range, 44.05% in 2-4 m range and 29.79% rise in the range of more than 4m. A maximum of 66.67% of wells in Kendrapara district and a minimum of 2.33% in Baudh district recorded a rise in the range of 0-2m. A maximum of 75.00% of wells in Balangir district and a minimum of 25.00% in Kandhamal district recorded rise in the range of 2 – 4m. A maximum of 75.00% of wells in Kandhamal district and a minimum of 1.64% in Puri district recorded rise in the range of >4m.

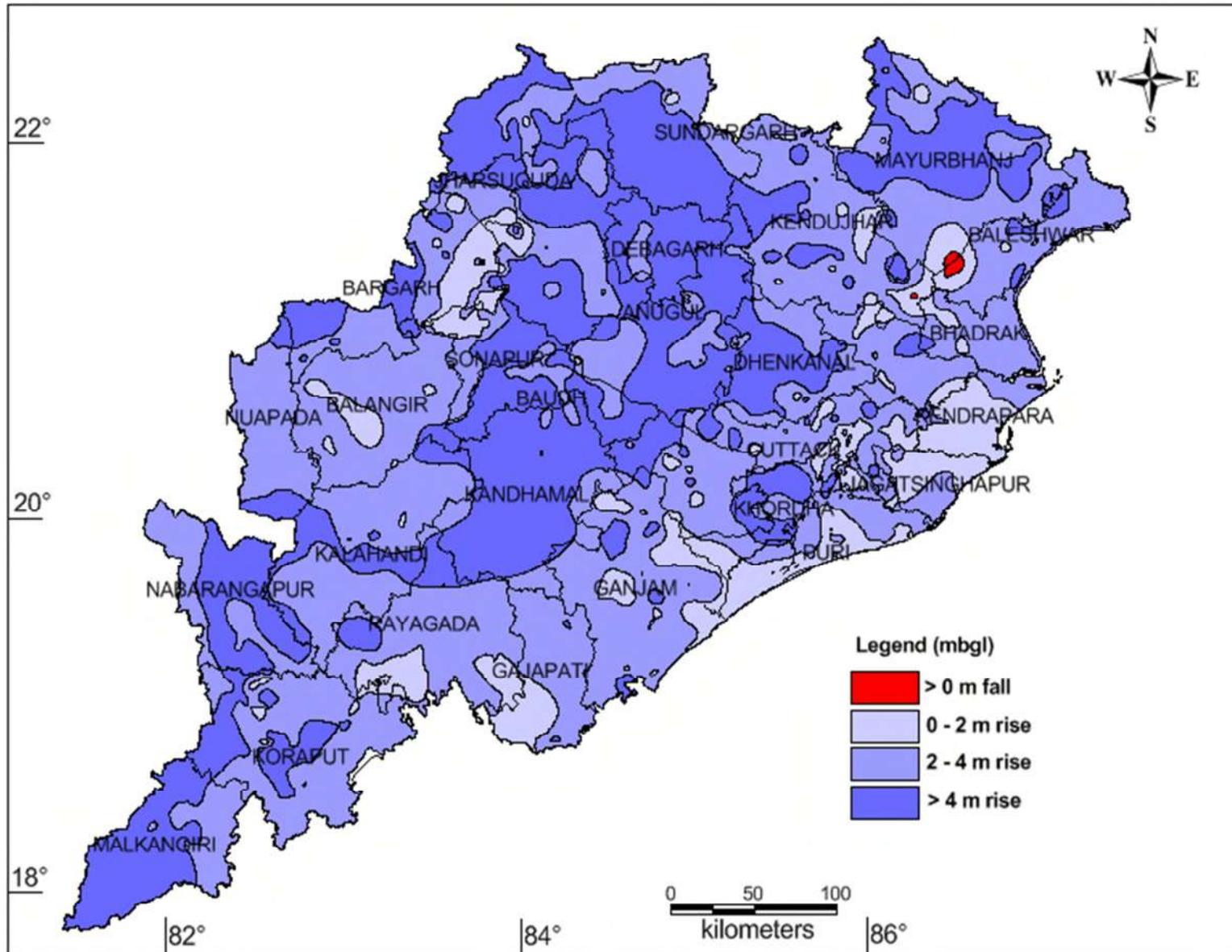
Fall in water level

Only 0.39% of the wells monitored showed a fall in water level. 0.39% of wells showed fall in 0-2 m range. The fall in 0-2m range is seen in Baleswar, Kendujhar, Khordha, Nayagarh districts.

In general as it should be, a rise in water level is observed throughout the state during August 2020 with respect to April 2020 and majority of wells recorded 0-4 m rise because of recharge of aquifer due to monsoon rainfall.

**WATER LEVEL FLUCTUATION
APRIL 2020 Vs AUGUST 2020**

PLATE 7.9



DISTRICTWISE CATEGORIZATION OF CHANGE IN WATER LEVEL: APRIL 2020 Vs AUGUST 2020

TABLE:-7.9

District	No. of Wells	No. of Wells showing		Range				No. of Wells/Percentage Showing Fluctuation											
		Rise	Fall	Rise (m)		Fall (m)		Rise (m)						Fall (m)					
				Min	Max	Min	Max	0 - 2 m		2 - 4 m		>4 m		0 - 2 m		2 - 4 m		>4 m	
								No	%	No	%	No	%	No	%	No	%	No	%
ANUGUL	56	56	0	1.51	10.39	-	-	3	5.36	16	28.57	37	66.07	0		0		0	
BALANGIR	40	40	0	0.87	4.79	-	-	9	22.50	30	75.00	1	2.50	0		0		0	
BALESHWAR	17	16	1	0.13	5.45	0.92	0.92	3	17.65	9	52.94	4	23.53	1	5.88	0		0	
BARGARH	44	44	0	0.27	6.93	-	-	22	50.00	12	27.27	10	22.73	0		0		0	
BAUDH	43	43	0	1.47	7.21	-	-	1	2.33	12	27.91	30	69.77	0		0		0	
BHADRAK	14	14	0	1.13	4.88	-	-	3	21.43	9	64.29	2	14.29	0		0		0	
CUTTACK	63	63	0	0.20	5.47	-	-	33	52.38	24	38.10	6	9.52	0		0		0	
DEBAGARH	6	6	0	3.18	6.29	-	-	0		3	50.00	3	50.00	0		0		0	
DHENKANAL	40	40	0	1.20	8.79	-	-	1	2.50	16	40.00	23	57.50	0		0		0	
GAJAPATI	16	16	0	1.41	5.46	-	-	2	12.50	11	68.75	3	18.75	0		0		0	
GANJAM	58	58	0	0.75	5.29	-	-	20	34.48	30	51.72	8	13.79	0		0		0	
JAGATSINGHAPUR	10	10	0	1.38	2.21	-	-	6	60.00	4	40.00	0		0		0		0	
JAJPUR	13	13	0	1.09	3.87	-	-	5	38.46	8	61.54	0		0		0		0	
JHARSUGUDA	10	10	0	0.87	4.65	-	-	1	10.00	5	50.00	4	40.00	0		0		0	
KALAHANDI	31	31	0	1.83	5.87	-	-	2	6.45	22	70.97	7	22.58	0		0		0	
KANDHAMAL	12	12	0	3.05	7.38	-	-	0		3	25.00	9	75.00	0		0		0	
KENDRAPARA	18	18	0	0.49	4.67	-	-	12	66.67	5	27.78	1	5.56	0		0		0	
KENDUJHAR	59	58	1	0.78	8.78	0.33	0.33	10	16.95	34	57.63	14	23.73	1	1.69	0		0	
KHORDHA	56	55	1	0.54	7.46	0.08	0.08	19	33.93	25	44.64	11	19.64	1	1.79	0		0	
KORAPUT	47	47	0	0.57	6.89	-	-	9	19.15	22	46.81	16	34.04	0		0		0	
MALKANGIRI	13	13	0	2.10	7.66	-	-	0		8	61.54	5	38.46	0		0		0	
MAYURBHANJ	71	71	0	0.13	8.25	-	-	4	5.63	36	50.70	31	43.66	0		0		0	
NABARANGAPUR	19	19	0	2.63	7.12	-	-	0		7	36.84	12	63.16	0		0		0	
NAYAGARH	30	29	1	1.01	6.74	0.13	0.13	2	6.67	19	63.33	8	26.67	1	3.33	0		0	
NUAPADA	12	12	0	1.84	3.96	-	-	2	16.67	10	83.33	0		0		0		0	
PURI	61	61	0	0.32	4.56	-	-	39	63.93	21	34.43	1	1.64	0		0		0	
RAYAGADA	20	20	0	0.54	5.38	-	-	10	50.00	8	40.00	2	10.00	0		0		0	
SAMBALPUR	46	46	0	0.15	7.04	-	-	10	21.74	12	26.09	24	52.17	0		0		0	
SONAPUR	31	31	0	0.13	5.28	-	-	11	35.48	10	32.26	10	32.26	0		0		0	
SUNDARGARH	61	61	0	0.44	8.18	-	-	23	37.70	17	27.87	21	34.43	0		0		0	
Total	1017	1013	4	(3.18)	(2.21)			262	25.76	448	44.05	303	29.79	4	0.39	0		0	

7.3.2 APRIL 2020 - NOVEMBER 2020

The district-wise categorization of water level fluctuation of April 2020 with respect to November-2020 has given in **Table 7.10** has been shown in **Plate :- 7.10**.

Rise in water level

97.50 % of the wells monitored in November 2020 showed a rise in water level when compared with that of April 2020. About 36.53% of wells showed rise in 0-2 m range, 42.25% in 2-4 m range and 18.72% rise in the range of more than 4m. A maximum of 83.33% of wells in Puri district and a minimum of 7.69% in Kandhamal district recorded a rise in the range of 0-2m. A maximum of 80.00% of wells in Kalahandi and a minimum of 12.50% in Jagatsinghapur district recorded rise in the range of 2 – 4m with majority of the districts in the state have more than 25% of the wells showing rise in this range. A maximum of 42.86% of wells in Debagarh and a minimum of 1.52% in Puri district recorded rise in the range of more than 4m.

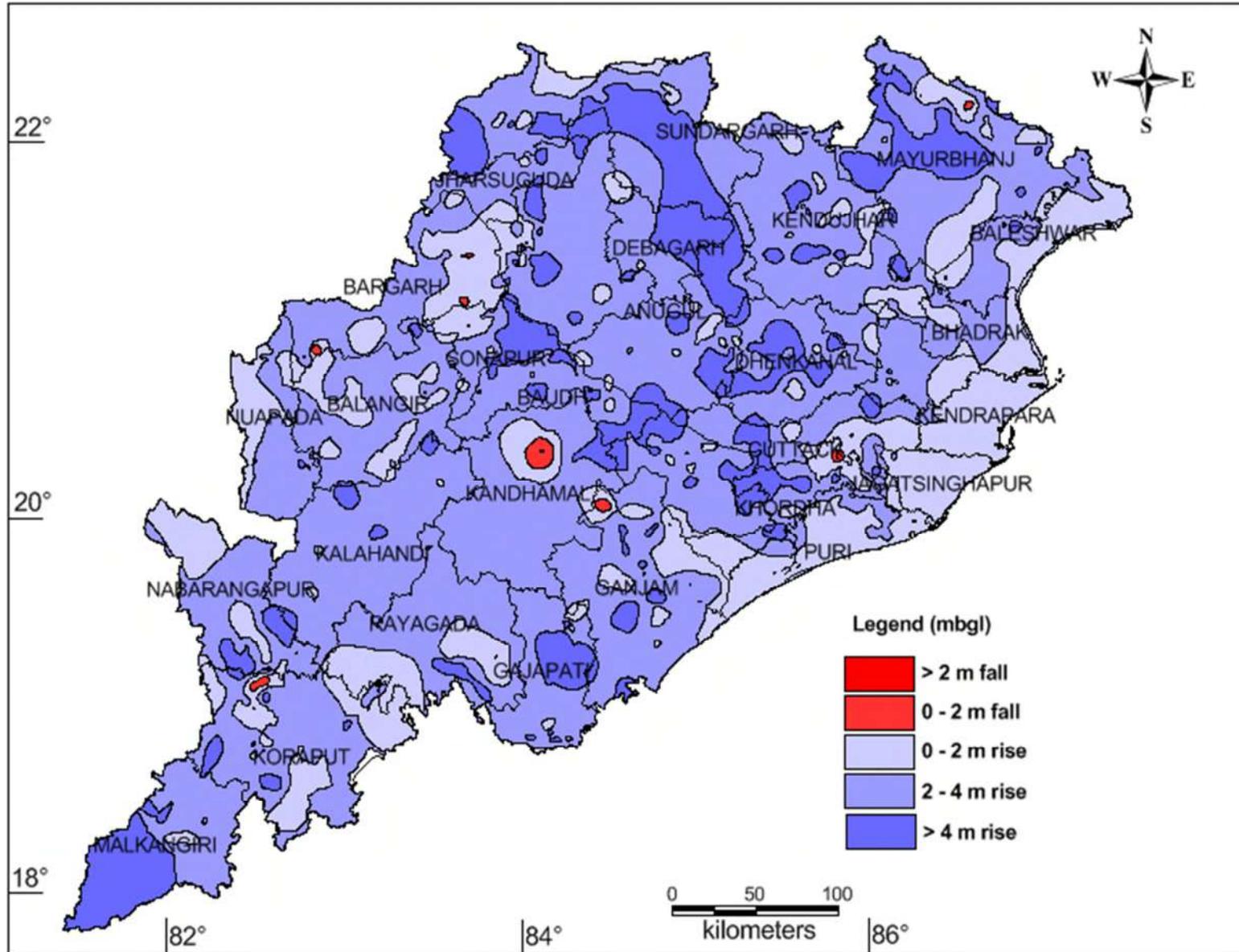
Fall in water level

Only 2.39% of the wells monitored showed a fall in water level which almost fall in 0-2 m range. The fall in 0-2m (2.30%) range is seen in Balangir, Baleshwar, Bargarh, Ganjam, Khordha, Koraput, Mayurbhanj, Nabarangpur, Puri, Sambalpur, Sonapr and Sundargarh districts. Only 1 well in Kandhamal district shows water level fall in 2-4 m range (0.09%).

In general as it should be, a rise in water level is observed throughout the state during November 2020 with respect to April 2020.

**WATER LEVEL FLUCTUATION MAP
APRIL 2020 VS NOVEMBER 2020**

PLATE:7.10



DISTRICTWISE CATEGORIZATION OF CHANGE IN WATER LEVEL: APRIL 2020 Vs NOVEMBER 2020

TABLE:-7.10

District	No. of Well analysed	No. of wells showing		Range				No. and percentage of wells showing											
		Rise	Fall	Rise (m)		Fall (m)		Rise						Fall					
				Min	Max	Min	Max	0 - 2 m		2 - 4 m		>4 m		0 - 2 m		2 - 4 m		>4 m	
								No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
ANUGUL	52	52	0	0.62	7.89	-	-	10	19.23	22	42.31	20	38.46	0		0		0	
BALANGIR	66	65	1	0.28	5.00	0.08	0.08	29	43.94	34	51.52	2	3.03	1	1.52	0		0	
BALESHWAR	18	16	2	0.58	4.78	0.05	0.12	8	44.44	6	33.33	2	11.11	2	11.11	0		0	
BARGARH	54	49	4	0.09	4.18	0.04	1.41	30	55.56	17	31.48	2	3.70	4	7.41	0		0	
BAUDH	43	43	0	1.10	6.11	-	-	4	9.30	21	48.84	18	41.86	0		0		0	
BHADRAK	11	11	0	0.23	4.31	-	-	3	27.27	5	45.45	3	27.27	0		0		0	
CUTTACK	51	51	0	0.22	7.07	-	-	35	68.63	12	23.53	4	7.84	0		0		0	
DEBAGARH	7	7	0	1.52	6.34	-	-	1	14.29	3	42.86	3	42.86	0		0		0	
DHENKANAL	37	37	0	1.10	8.04	-	-	6	16.22	16	43.24	15	40.54	0		0		0	
GAJAPATI	27	27	0	0.34	8.13	-	-	5	18.52	16	59.26	6	22.22	0		0		0	
GANJAM	62	60	2	0.35	5.71	0.05	1.46	15	24.19	33	53.23	12	19.35	2	3.23	0		0	
JAGATSINGHAPUR	8	8	0	0.77	2.50	-	-	7	87.50	1	12.50	0		0		0		0	
JAJPUR	22	22	0	0.62	4.38	-	-	8	36.36	13	59.09	1	4.55	0		0		0	
JHARSUGUDA	12	12	0	1.08	5.12	-	-	2	16.67	7	58.33	3	25.00	0		0		0	
KALAHANDI	30	30	0	1.25	6.09	-	-	3	10.00	24	80.00	3	10.00	0		0		0	
KANDHAMAL	13	12	1	1.25	4.10	2.10	2.10	1	7.69	9	69.23	2	15.38	0		1	7.69	0	
KENDRAPARA	18	18	0	0.37	3.40	-	-	13	72.22	5	27.78	0		0		0		0	
KENDUJHAR	56	56	0	0.51	8.63	-	-	15	26.79	33	58.93	8	14.29	0		0		0	
KHORDHA	33	31	2	0.22	5.75	0.20	1.39	14	42.42	11	33.33	6	18.18	2	6.06	0		0	
KORAPUT	55	51	4	0.04	6.61	0.07	1.78	23	41.82	18	32.73	10	18.18	4	7.27	0		0	
MALKANGIRI	17	17	0	1.04	5.99	-	-	4	23.53	11	64.71	2	11.76	0		0		0	
MAYURBHANJ	68	66	2	0.22	8.10	0.06	1.35	15	22.06	30	44.12	21	30.88	2	2.94	0		0	
NABARANGAPUR	23	22	1	1.16	5.61	0.03	0.03	5	21.74	9	39.13	8	34.78	1	4.35	0		0	
NAYAGARH	29	29	0	1.37	5.78	-	-	4	13.79	17	58.62	8	27.59	0		0		0	
NUAPADA	17	17	0	0.16	5.00	-	-	8	47.06	8	47.06	1	5.88	0		0		0	
PURI	66	65	1	0.30	4.03	0.08	0.08	55	83.33	9	13.64	1	1.52	1	1.52	0		0	
RAYAGADA	21	21	0	0.30	4.93	-	-	12	57.14	6	28.57	3	14.29	0		0		0	
SAMBALPUR	64	61	3	0.15	5.65	0.02	0.34	20	31.25	29	45.31	12	18.75	3	4.69	0		0	
SONAPUR	41	40	1	0.05	5.71	0.09	0.09	14	34.15	16	39.02	10	24.39	1	2.44	0		0	
SUNDARGARH	63	61	2	0.01	8.34	0.13	0.74	27	42.86	17	26.98	17	26.98	2	3.17	0		0	
Total	1084	1057	26	(1.52)	(2.50)	0.00	2.10	396	36.53	458	42.25	203	18.72	25	2.3	1	0.09	0	

7.3.3 APRIL 2020 – JANUARY 2021

The district-wise categorization of water level fluctuation of January 2021 with respect to April 2020 has been given in **Table 7.11** and has been presented in **Plate 7.11**.

Rise in water level

A perusal of the data and map pertaining to January 2021 with reference to April 2020 shows that 90.31% of total wells show rise in water level. Rise in water level between 0-2m has been observed in 56.54 % of the wells with maximum of 88.89% of wells in Jagatsinghapur district and a minimum of 21.43% in Bhadrak district. Wells showing rise in 2-4 m range is 27.83 % and 5.93 % of wells show rise more than 4m.

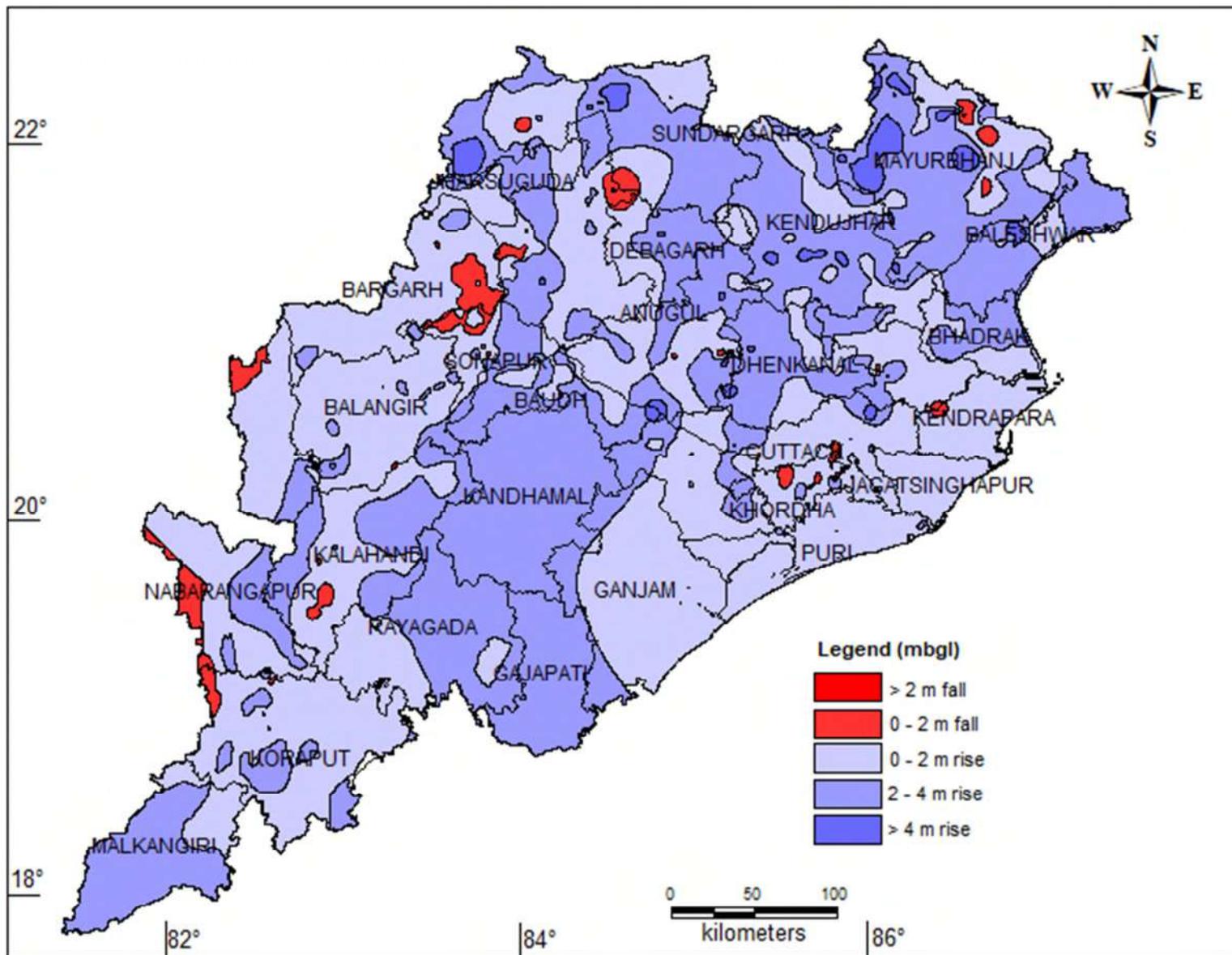
Fall in water level

9.51% of the wells monitored showed a fall in water level which almost fall in 0-2 m range. The fall in 0-2m (9.16%) range is seen in adequate number of wells in Bargarh, Khordha, Sonapur, Puri, Koraput, Mayurbhanj districts. The fall in 2-4 m (0.34%) range is seen in Bargarh, Mayurbhanj, Sambalpur and Sundargarh districts.

In general as it should be, a rise in water level is observed throughout the state during January 2021 with respect to April 2020 and majority of wells recorded 0-4 m rise because of recharge of aquifer due to monsoon rainfall.

**WATER LEVEL FLUCTUATION MAP
APRIL 2020 VS JANUARY 2021**

PLATE:7.11



DISTRICTWISE CATEGORIZATION OF CHANGE IN WATER LEVEL: APRIL 2020 Vs JANUARY 2021

TABLE:-7.11

District	No. of Wells	No. of Wells showing		Range				No. of Wells/Percentage Showing Fluctuation											
		Rise	Fall	Rise (m)		Fall (m)		Rise (m)						Fall (m)					
				Min	Max	Min	Max	0 -2 m		2 - 4 m		>4 m		0 -2 m		2 - 4 m		>4 m	
								No	%	No	%	No	%	No	%	No	%	No	%
ANUGUL	57	52	5	0.24	5.96	0.55	1.95	25	43.86	18	31.58	9	15.79	5	8.77	0		0	
BALANGIR	67	63	4	0.36	4.80	0.03	0.56	47	70.15	15	22.39	1	1.49	4	5.97	0		0	
BALESHWAR	20	18	2	0.23	5.31	0.12	0.60	10	50.00	6	30.00	2	10.00	2	10.00	0		0	
BARGARH	55	41	14	0.05	3.50	0.18	2.03	36	65.45	5	9.09	0		13	23.64	1	1.82	0	
BAUDH	44	42	2	0.43	3.96	0.38	0.70	14	31.82	28	63.64	0		2	4.55	0		0	
BHADRAK	14	13	1	0.38	3.48	0.27	0.27	3	21.43	10	71.43	0		1	7.14	0		0	
CUTTACK	60	59	1	0.10	4.92	1.32	1.32	53	88.33	3	5.00	3	5.00	1	1.67	0		0	
DEBAGARH	7	7	0	0.32	4.19	-	-	2	28.57	4	57.14	1	14.29	0		0		0	
DHENKANAL	38	38	0	0.02	4.59	-	-	20	52.63	17	44.74	1	2.63	0		0		0	
GAJAPATI	26	22	4	0.26	4.53	0.14	0.40	12	46.15	7	26.92	3	11.54	4	15.38	0		0	
GANJAM	68	62	5	0.09	5.11	0.50	1.79	40	58.82	17	25.00	5	7.35	5	7.35	0		0	
JAGATSINGHAPUR	9	8	1	0.01	1.68	0.30	0.30	8	88.89	0		0		1	11.11	0		0	
JAJAPUR	25	24	1	0.40	4.16	1.18	1.18	13	52.00	10	40.00	1	4.00	1	4.00	0		0	
JHARSUGUDA	13	13	0	0.21	4.52	-	-	7	53.85	5	38.46	1	7.69	0		0		0	
KALAHANDI	31	27	4	0.05	4.84	0.06	0.72	15	48.39	11	35.48	1	3.23	4	12.90	0		0	
KANDHAMAL	13	12	1	0.25	2.30	0.50	0.50	9	69.23	3	23.08	0		1	7.69	0		0	
KENDRAPARA	18	17	1	0.29	2.90	0.43	0.43	16	88.89	1	5.56	0		1	5.56	0		0	
KENDUJHAR	56	55	1	0.19	8.44	0.37	0.37	24	42.86	22	39.29	9	16.07	1	1.79	0		0	
KHORDHA	53	39	14	0.03	5.51	0.01	1.72	31	58.49	6	11.32	2	3.77	14	26.42	0		0	
KORAPUT	53	47	6	0.05	4.32	0.06	1.14	31	58.49	15	28.30	1	1.89	6	11.32	0		0	
MALKANGIRI	18	18	0	0.74	4.03	-	-	8	44.44	9	50.00	1	5.56	0		0		0	
MAYURBHANJ	71	64	7	0.07	7.25	0.40	2.28	21	29.58	26	36.62	17	23.94	6	8.45	1	1.41	0	
NABARANGAPUR	23	22	1	0.11	4.50	0.02	0.02	11	47.83	10	43.48	1	4.35	1	4.35	0		0	
NAYAGARH	28	28	0	0.26	3.96	-	-	19	67.86	9	32.14	0		0		0		0	
NUAPADA	19	16	3	0.53	4.06	0.51	1.06	13	68.42	2	10.53	1	5.26	3	15.79	0		0	
PURI	66	56	9	0.08	2.29	0.11	0.85	54	81.82	2	3.03	0		9	13.64	0		0	
RAYAGADA	19	19	0	0.06	3.84	-	-	12	63.16	7	36.84	0		0		0		0	
SAMBALPUR	65	59	6	0.03	4.60	0.19	2.15	32	49.23	25	38.46	2	3.08	5	7.69	1	1.54	0	
SONAPUR	43	32	11	0.04	4.12	0.14	1.82	21	48.84	10	23.26	1	2.33	11	25.58	0		0	
SUNDARGARH	67	62	5	0.08	7.32	0.07	2.03	41	61.19	16	23.88	5	7.46	4	5.97	1	1.49	0	
Total	1146	1035	109	(0.74)	(1.68)	0.00	2.28	648	56.54	319	27.83	68	5.93	105	9.16	4	0.34	0	

7.4 WATER LEVEL FLUCTUATION WITH RESTPECT TO DECADAL MEAN

7.4.1 APRIL 2020 – DECADAL MEAN (APR 2010 – APR 2019)

The district-wise categorisation of change in water level in April-2020 with respect to the decadal mean (April 2010 to April 2019) has been given in **Table-7.12** and rise and fall map has been presented in **Plate-7.12**.

Fall in water level

A perusal of the data and map pertaining to April 2020 with reference to decadal mean (2010-2019) shows fall in water level is observed in 45.48% of the total wells in the state. 45.40% of the wells have shown fall in the 0-2m range. It varies from minimum of 26.67% of wells in Jharsuguda district to a maximum of 70.00% of wells in Baleshwar district. Almost all the districts have shown water level in this range. The range of 2-4m fall in water level has been observed in 0.08% of the state only in Ganjam district. No district is showing a fall of more than 4m.

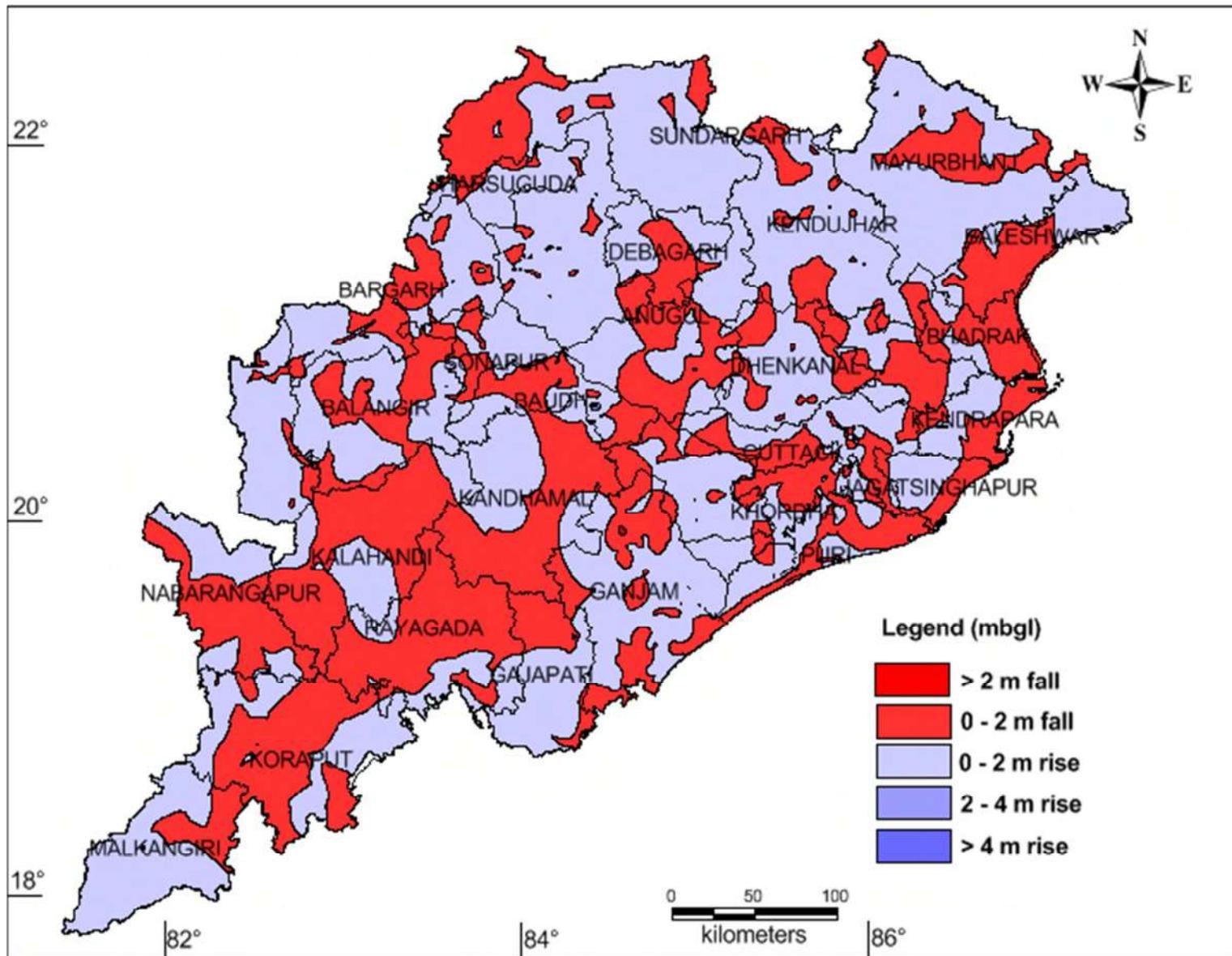
Rise in water level

A perusal of the data and map pertaining to April 2020 with reference to Decadal mean (2010-2019) shows that 44.31% of total NHS wells in the state shows rise in water level. Rise in water level between 0-2m has been observed in 44.23% of the network stations in the state. It varies from minimum of 20.00% Baleshwar to a maximum of 66.67% in Jharsuguda district. All the districts have recorded rise of water level in this range. No district is showing a rise in 2-4 m range. Only Baudh district is showing rise in more than 4 m range (0.08%).

In general a minor fall has been recorded in water level of April 2020 when compared with the decadal mean (April 2010-2019).

**WATER LEVEL FLUCTUATION MAP
DECADAL MEAN PREMONSOON (2010-2019) VS PREMONSOON 2020**

PLATE 7.12



**DISTRICT WISE CATEGORIZATION OF CHANGE IN WATER LEVEL: DECADAL MEAN PRE MONSOON (2010-2019) Vs
PRE MONSOON- 2020**

TABLE:-7.12

District	No. of Wells	No. of Wells showing		Range				No. of Wells/Percentage Showing Fluctuation											
		Rise	Fall	Rise (m)		Fall (m)		Rise (m)						Fall (m)					
				Min	Max	Min	Max	0 -2 m		2 - 4 m		>4 m		0 -2 m		2 - 4 m		>4 m	
								No	%	No	%	No	%	No	%	No	%	No	%
ANUGUL	58	28	25	.00	0.95	-	0.87	28	48.28	0		0		25	43.10	0		0	
BALANGIR	68	27	32	.00	0.96	-	1.11	27	39.71	0		0		32	47.06	0		0	
BALESHWAR	20	4	14	.00	0.11	0.00	0.67	4	20.00	0		0		14	70.00	0		0	
BARGARH	57	29	21	.00	0.89	0.00	0.74	29	50.88	0		0		21	36.84	0		0	
BAUDH	45	17	23	-	4.82	0.00	0.10	16	35.56	0		1	2.22	23	51.11	0		0	
BHADRAK	14	4	8	.00	0.12	-	0.40	4	28.57	0		0		8	57.14	0		0	
CUTTACK	63	26	29	.00	0.81	0.00	0.35	26	41.27	0		0		29	46.03	0		0	
DEBAGARH	7	2	3	0.02	0.75	0.00	0.36	2	28.57	0		0		3	42.86	0		0	
DHENKANAL	41	23	17	-	1.00	0.00	0.75	23	56.10	0		0		17	41.46	0		0	
GAJAPATI	27	10	16	.00	0.48	-	0.55	10	37.04	0		0		16	59.26	0		0	
GANJAM	67	32	33	-	1.07	-	2.75	32	47.76	0		0		32	47.76	1	1.49	0	
JAGATSINGHAPUR	9	3	6	.00	0.68	0.00	0.28	3	33.33	0		0		6	66.67	0		0	
JAJAPUR	26	11	12	.00	1.11	0.00	0.32	11	42.31	0		0		12	46.15	0		0	
JHARSUGUDA	15	10	4	.00	0.76	0.00	0.07	10	66.67	0		0		4	26.67	0		0	
KALAHANDI	33	9	23	-	0.48	0.00	0.84	9	27.27	0		0		23	69.70	0		0	
KANDHAMAL	15	3	8	-	0.92	-	0.01	3	20.00	0		0		8	53.33	0		0	
KENDRAPARA	17	6	9	.00	0.27	-	1.04	6	35.29	0		0		9	52.94	0		0	
KENDUJHAR	57	30	23	.00	0.64	-	0.40	30	52.63	0		0		23	40.35	0		0	
KHORDHA	55	27	23	-	0.51	-	0.33	27	49.09	0		0		23	41.82	0		0	
KORAPUT	57	22	27	-	0.39	-	0.63	22	38.60	0		0		27	47.37	0		0	
MALKANGIRI	19	8	8	-	0.06	-	0.00	8	42.11	0		0		8	42.11	0		0	
MAYURBHANJ	72	45	22	-	1.68	0.00	0.57	45	62.50	0		0		22	30.56	0		0	
NABARANGAPUR	24	8	12	.00	0.18	-	1.29	8	33.33	0		0		12	50.00	0		0	
NAYAGARH	33	16	15	-	0.37	0.00	0.40	16	48.48	0		0		15	45.45	0		0	
NUAPADA	21	9	8	-	0.61	-	0.11	9	42.86	0		0		8	38.10	0		0	
PURI	69	25	35	-	1.01	-	0.27	25	36.23	0		0		35	50.72	0		0	
RAYAGADA	22	6	12	.00	0.96	0.00	0.48	6	27.27	0		0		12	54.55	0		0	
SAMBALPUR	69	39	22	-	0.58	-	0.19	39	56.52	0		0		22	31.88	0		0	
SONAPUR	46	24	20	-	0.35	0.00	0.16	24	52.17	0		0		20	43.48	0		0	
SUNDARGARH	70	27	34	-	1.06	-	0.79	27	38.57	0		0		34	48.57	0		0	
Total	1196	530	544	0.06	0.02		2.75	529	44.23	0		1	0.08	543	45.4	1	0.08	0	

7.2.2 AUGUST 2020 - DECADAL MEAN (AUGUST 2010 – AUGUST 2019)

The district-wise categorisation of change in water level during August -2020 with respect to the decadal mean (August-2010- August-2019) has been given in **Table 7.13** and presented in **Plate 7.13**.

Rise in water level

A perusal of the data and map pertaining to August 2020 with reference to decadal mean (2010-19) shows that rise in water level between 0-2 m has been observed in 54.81% of the network stations in the state. All the districts have recorded rise of water level in this range. Rise in water level between the range of 2-4m has been noticed in 2.25% wells in isolated locations and more than 4m have been observed in 0.18% of wells.

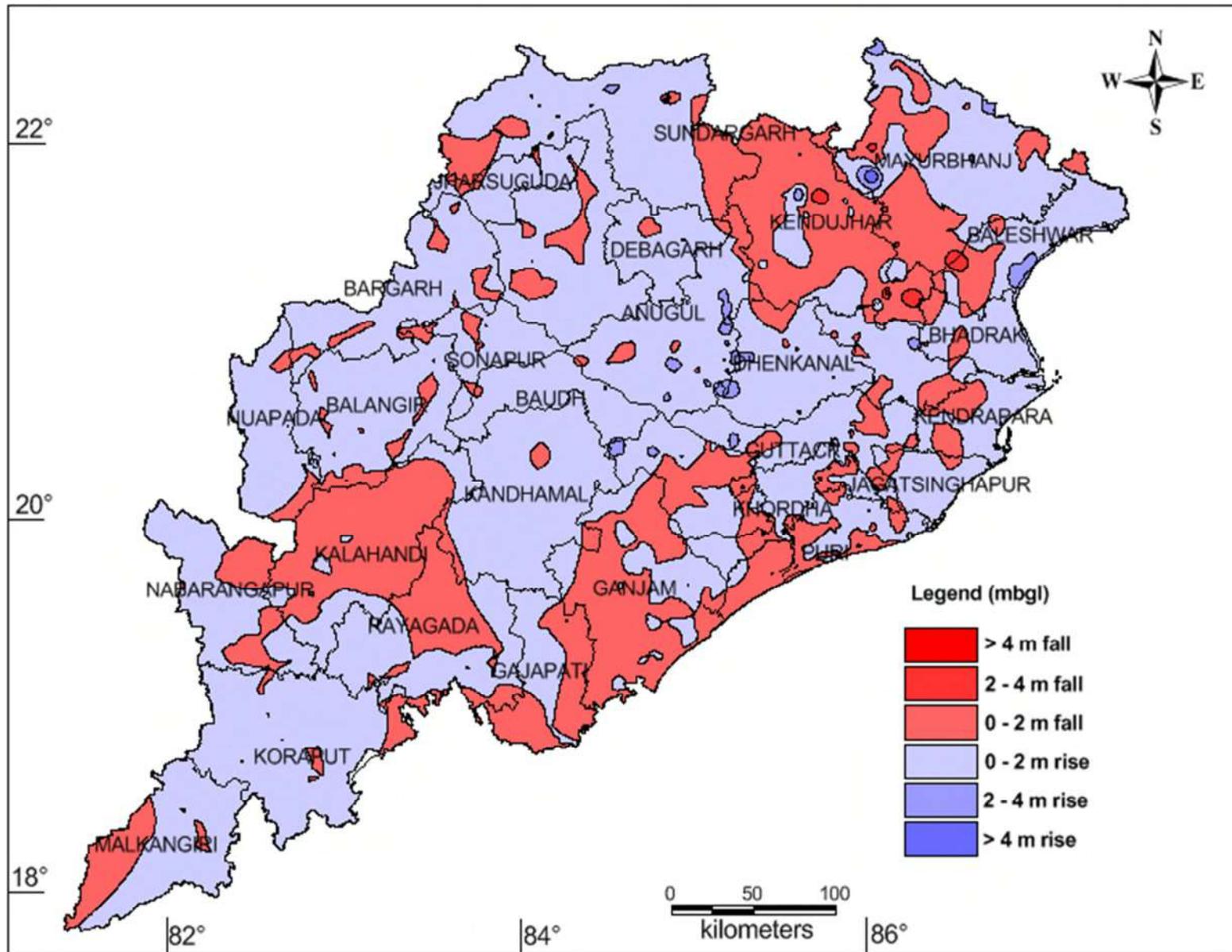
Fall in water level

Fall in water level is seen in patches mostly in the hard rock and hilly terrain of the state. Fall in water level between 0-2 m has been observed in 39.24% of the network monitoring wells in the state. Fall in water level between the range of 2-4m has been observed in 1.26% of network wells in the state. Fall in water level of more 4m, is 0.09% of the total wells in the state.

In general a rise has been recorded in water level of August 2020 when compared with the decadal mean (August 2010-2019). It can be safely concluded that variation in water level is not due to over development; rather the water levels reflect the variation of rainfall in space and time.

**WATER LEVEL FLUCTUATION MAP
DECADAL MEAN AUGUST (2010-2019) VS AUGUST 2020**

PLATE:7.13



DISTRICT WISE CATEGORIZATION OF CHANGE IN WATER LEVEL: DECADAL MEAN AUGUST (2010-2019) Vs AUGUST 2020

TABLE:-7.13

District	No. of Wells	No. of Wells showing		Range				No. of Wells/Percentage Showing Fluctuation											
		Rise	Fall	Rise (m)		Fall (m)		Rise (m)						Fall (m)					
				Min	Max	Min	Max	0 -2 m		2 - 4 m		>4 m		0 -2 m		2 - 4 m		>4 m	
								No	%	No	%	No	%	No	%	No	%	No	%
ANUGUL	56	48	7	0.04	4.41	0.00	0.79	37	66.07	10	17.86	1	1.79	7	12.50	0		0	
BALANGIR	46	22	21	-	0.82	0.00	0.18	22	47.83	0		0		21	45.65	0		0	
BALESHWAR	22	13	9	.00	3.28	0.02	3.70	12	54.55	1	4.55	0		8	36.36	1	4.55	0	
BARGARH	51	32	18	.00	0.67	0.00	0.28	32	62.75	0		0		18	35.29	0		0	
BAUDH	44	41	3	.00	2.13	0.04	0.21	40	90.91	1	2.27	0		3	6.82	0		0	
BHADRAK	14	10	4	.00	2.61	0.16	1.87	9	64.29	1	7.14	0		4	28.57	0		0	
CUTTACK	64	38	25	.00	3.37	0.00	1.10	37	57.81	1	1.56	0		25	39.06	0		0	
DEBAGARH	8	4	4	-	0.34	0.00	0.14	4	50.00	0		0		4	50.00	0		0	
DHENKANAL	43	39	4	0.05	3.80	0.02	0.16	37	86.05	2	4.65	0		4	9.30	0		0	
GAJAPATI	19	7	12	-	.00	0.00	0.72	7	36.84	0		0		12	63.16	0		0	
GANJAM	63	19	42	.00	0.60	0.00	0.65	19	30.16	0		0		42	66.67	0		0	
JAGATSINGHAPUR	11	6	4	0.08	0.49	0.03	0.14	6	54.55	0		0		4	36.36	0		0	
JAJAPUR	15	9	6	.00	1.21	0.00	0.21	9	60.00	0		0		6	40.00	0		0	
JHARSUGUDA	10	6	4	.00	0.36	0.00	0.01	6	60.00	0		0		4	40.00	0		0	
KALAHANDI	32	8	23	.00	0.14	-	0.63	8	25.00	0		0		23	71.88	0		0	
KANDHAMAL	13	12	1	0.09	2.07	0.49	0.49	11	84.62	1	7.69	0		1	7.69	0		0	
KENDRAPARA	18	10	8	0.12	1.95	0.00	0.50	10	55.56	0		0		8	44.44	0		0	
KENDUJHAR	67	16	51	0.07	3.82	0.03	4.93	15	22.39	1	1.49	0		46	68.66	4	5.97	1	1.49
KHORDHA	63	29	28	-	1.94	-	2.33	29	46.03	0		0		24	38.10	4	6.35	0	
KORAPUT	50	39	11	-	0.87	0.00	0.28	39	78.00	0		0		11	22.00	0		0	
MALKANGIRI	15	10	5	-	0.09	0.00	0.10	10	66.67	0		0		5	33.33	0		0	
MAYURBHANJ	75	43	32	0.01	5.72	0.05	2.59	40	53.33	2	2.67	1	1.33	28	37.33	4	5.33	0	
NABARANGAPUR	19	7	10	.00	0.20	-	0.21	7	36.84	0		0		10	52.63	0		0	
NAYAGARH	37	25	12	.00	3.54	0.01	1.84	23	62.16	2	5.41	0		12	32.43	0		0	
NUAPADA	13	7	6	.00	0.26	0.00	0.00	7	53.85	0		0		6	46.15	0		0	
PURI	70	37	33	0.01	2.77	0.00	2.35	35	50.00	2	2.86	0		32	45.71	1	1.43	0	
RAYAGADA	20	10	10	.00	0.71	0.00	0.39	10	50.00	0		0		10	50.00	0		0	
SAMBALPUR	50	29	18	.00	1.00	-	1.86	29	58.00	0		0		18	36.00	0		0	
SONAPUR	34	19	14	.00	0.93	0.00	0.10	19	55.88	0		0		14	41.18	0		0	
SUNDARGARH	69	41	26	-	2.43	0.00	0.42	40	57.97	1	1.45	0		26	37.68	0		0	
Total	1111	636	451	0.00	0.12	0.00	4.93	609	54.81	25	2.25	2	0.18	436	39.24	14	1.26	1	0.09

7.2.3 NOVEMBER 2020 - DECADAL MEAN (NOVEMBER 2010 – NOVEMBER 2019)

The district-wise categorizations of change in water level during November-2020 with respect to the decadal mean (November 2010 – November 2019) has been given in **Table 7.14** and presented in **Plate 7.14**.

Rise in water level

A perusal of the data and map pertaining to November 2020 with reference to decadal mean (2010 -19) shows that rise in water can be observed in 67.82% wells. Rise in water level between 0-2m has been observed in 63.46% of the network stations in the state. All the districts have recorded rise of water level in this range. Rise in water level between the ranges of 2-4m has been noticed in 3.87% wells in isolated locations and more than 4m have been observed in 0.48% of wells.

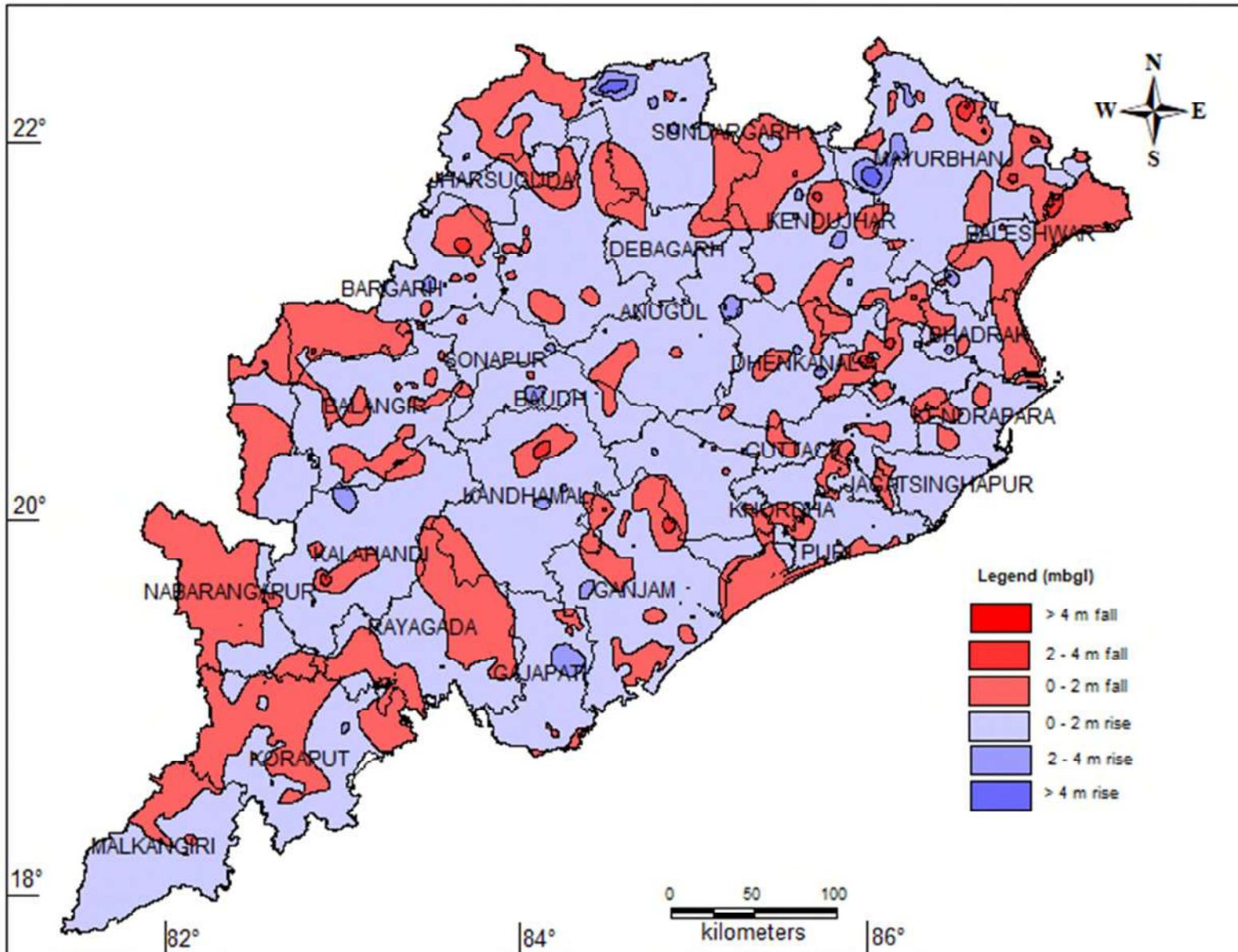
Fall in water level

Fall in water level is seen in all districts and can be observed in 32.09% of wells of the state. Fall in water level between 0-2 m has been observed in 30.24% of the network monitoring wells in the state. Fall in water level between the ranges of 2-4m has been observed in 1.61% of network wells in the state which occur in patches. Fall in water level of more than 4m is present only in 1 well with 0.24% of the total wells in the state.

In general a rise in water level of November 2020 when compared with the decadal mean (November 2010-2019). It can be concluded that variation in water level is due to development as well as variation of rainfall in space and time.

**WATER LEVEL FLUCTUATION MAP
DECADAL MEAN NOVEMBER (2010-2019) VS NOVEMBER 2020**

PLATE:7.14



DISTRICT WISE CATEGORIZATION OF CHANGE IN WATER LEVEL: DECADAL MEAN NOVEMBER (2010-2019) Vs NOVEMBER 2020
TABLE 7.14

District	No. of Wells analysed	No. of Wells showing		Range		No. of Wells/Percentage Showing Fluctuation													
						Rise (m)						Fall (m)							
		Rise	Fall	Rise (m)		Fall (m)		0 -2 m		2 - 4 m		>4 m		0 -2 m		2 - 4 m		>4 m	
				Min	Max	Min	Max	No	%	No	%	No	%	No	%	No	%	No	%
ANUGUL	52	46	6	0.09	4.41	0.02	1.22	43	82.69	2	3.85	1	1.92	6	11.54	0		0	
BALANGIR	72	46	25	0.07	2.19	0.01	1.34	45	62.50	1	1.39	0		25	34.72	0		0	
BALESHWAR	22	10	12	.00	4.73	0.04	3.41	9	40.91	0		1	4.55	11	50.00	1	4.55	0	
BARGARH	66	48	18	0.02	3.07	0.04	3.00	46	69.70	2	3.03	0		16	24.24	2	3.03	0	
BAUDH	44	41	3	0.15	2.40	0.66	1.02	37	84.09	4	9.09	0		3	6.82	0		0	
BHADRAK	13	10	3	0.26	3.69	0.09	1.18	7	53.85	3	23.08	0		3	23.08	0		0	
CUTTACK	51	31	20	0.02	2.14	0.01	1.09	30	58.82	1	1.96	0		20	39.22	0		0	
DEBAGARH	10	9	1	0.02	1.45	0.22	0.22	9	90.00	0		0		1	10.00	0		0	
DHENKANAL	39	29	10	0.05	4.77	0.02	1.05	26	66.67	2	5.13	1	2.56	10	25.64	0		0	
GAJAPATI	32	24	8	0.01	3.28	0.04	1.27	23	71.88	1	3.13	0		8	25.00	0		0	
GANJAM	78	51	27	0.03	3.64	0.07	3.15	47	60.26	4	5.13	0		25	32.05	2	2.56	0	
JAGATSINGHAPUR	9	7	2	0.15	0.57	0.03	0.04	7	77.78	0		0		2	22.22	0		0	
JAJAPUR	30	15	15	0.21	1.51	0.07	5.40	15	50.00	0		0		12	40.00	2	6.67	1	3.33
JHARSUGUDA	13	9	4	0.07	1.10	0.35	1.32	9	69.23	0		0		4	30.77	0		0	
KALAHANDI	34	27	7	0.03	3.66	0.02	4.21	26	76.47	1	2.94	0		6	17.65	0		1	2.94
KANDHAMAL	23	19	4	0.06	2.30	0.13	3.42	16	69.57	3	13.04	0		3	13.04	1	4.35	0	
KENDRAPARA	18	11	7	0.19	0.81	0.12	0.68	11	61.11	0		0		7	38.89	0		0	
KENDUJHAR	73	43	30	0.02	3.78	0.02	2.71	38	52.05	5	6.85	0		26	35.62	4	5.48	0	
KHORDHA	42	24	18	0.03	3.05	0.01	2.38	22	52.38	2	4.76	0		17	40.48	1	2.38	0	
KORAPUT	58	30	28	0.01	2.55	0.02	2.14	28	48.28	2	3.45	0		27	46.55	1	1.72	0	
MALKANGIRI	19	12	7	0.06	0.91	0.03	1.77	12	63.16	0		0		7	36.84	0		0	
MAYURBHANJ	74	49	25	0.01	6.77	0.01	4.72	40	54.05	7	9.46	2		20	27.03	4	5.41	1	1.35
NABARANGAPUR	22	11	11	0.05	0.93	0.05	2.02	11	50.00	0		0		10	45.45	1	4.55	0	
NAYAGARH	35	30	5	0.06	2.63	0.08	0.27	29	82.86	1	2.86	0		5	14.29	0		0	
NUAPADA	17	10	7	-	1.69	0.02	1.34	10	58.82	0		0		7	41.18	0		0	
PURI	79	50	29	0.04	2.03	0.00	2.15	49	62.03	1	1.27	0		28	35.44	1	1.27	0	
RAYAGADA	21	10	11	0.01	2.08	0.03	0.85	9	42.86	1	4.76	0		11	52.38	0		0	
SAMBALPUR	73	56	17	0.03	1.97	0.00	1.67	56	76.71	0		0		17	23.29	0		0	
SONAPUR	48	44	4	0.03	2.60	0.02	1.35	43	89.58	1	2.08	0		4	8.33	0		0	
SUNDARGARH	73	39	34	.00	7.56	0.02	1.80	34	46.58	4	5.48	1	1.37	34	46.58	0		0	
Total	1240	841	398	0.57	0.26	0.00	5.40	787	63.46	48	3.87	6	0.48	375	30.24	20	1.61	3	0.24

7.2.4 JANUARY 2021 - DECADAL MEAN (JANUARY 2011 – JANUARY 2020)

The district-wise categorisation of change in water level during January -2021 with respect to the decadal mean (2011 - 2020) has been given in **Table 7.15** and presented in **Plate 7.15**.

Rise in water level

A perusal of the data and map pertaining to January 2021 with reference to decadal mean (2011-20) shows that rise in water level between 0-2m has been observed in 54.64% of the network stations in the state. All the districts have recorded rise of water level in this range. Rise in water level between the ranges of 2-4m has been noticed in 4.49% wells in isolated locations and more than 4m have been observed in 0.67% of wells.

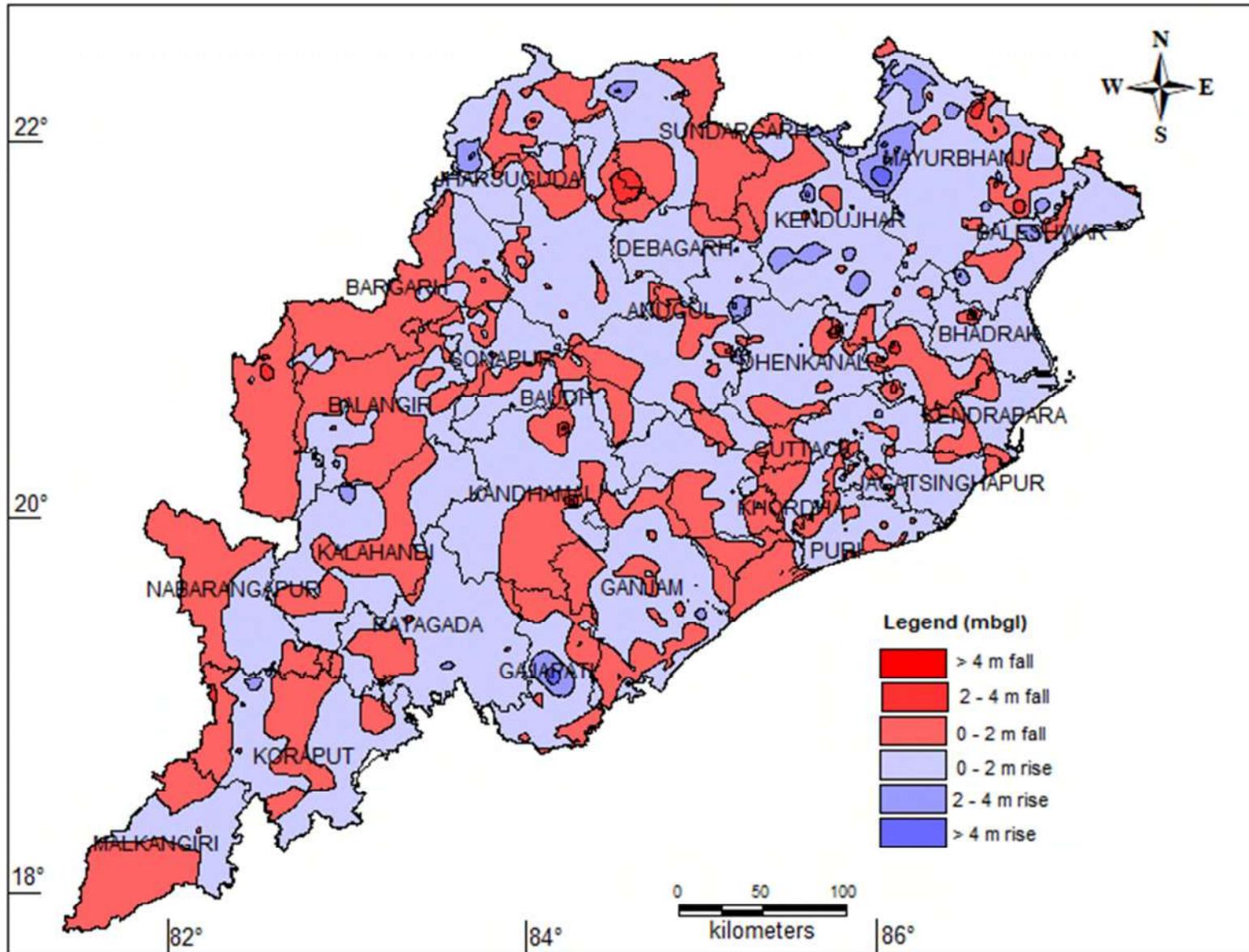
Fall in water level

Fall in water level is seen in patches mostly in the hard rock and hilly terrain of the state. Fall in water level between 0-2 m has been observed in 37.93% of the network monitoring wells in the state. Fall in water level between the ranges of 2-4m has been observed in 1.72% of network wells in the state. Fall in water level of more 4m, is 0.37% of the total wells in the state.

In general a rise has been recorded in water level of January 2021 when compared with the decadal mean (2011-2020).

**WATER LEVEL FLUCTUATION MAP
DECADAL MEAN JANUARY (2011-2020) VS JANUARY 2021**

PLATE:7.15



DISTRICT WISE CATEGORIZATION OF CHANGE IN WATER LEVEL: DECADAL MEAN JANUARY (2011-2020) VS JANUARY 2021

TABLE 7.15

District	No. of Wells	No. of Wells showing		Range				No. of Wells/Percentage Showing Fluctuation											
		Rise	Fall	Rise (m)		Fall (m)		Rise (m)						Fall (m)					
				Min	Max	Min	Max	0 -2 m		2 - 4 m		>4 m		0 -2 m		2 - 4 m		>4 m	
								No	%	No	%	No	%	No	%	No	%	No	%
ANUGUL	59	38	21	0.02	4.57	0.04	3.06	30	50.85	7	11.86	1	1.69	19	32.20	2	3.39	0	
BALANGIR	74	33	41	0.01	2.71	0.01	1.98	31	41.89	2	2.70	0		41	55.41	0		0	
BALESHWAR	25	17	8	0.25	4.29	0.05	0.76	14	56.00	2	8.00	1	4.00	8	32.00	0		0	
BARGARH	64	24	40	0.06	1.46	0.03	1.92	24	37.50	0		0		40	62.50	0		0	
BAUDH	46	20	26	0.09	1.58	0.04	2.01	20	43.48	0		0		25	54.35	1	2.17	0	
BHADRAK	15	12	3	0.18	1.41	0.12	4.80	12	80.00	0		0		2	13.33	0		1	6.67
CUTTACK	62	42	20	.00	2.54	0.01	0.97	41	66.13	1	1.61	0		20	32.26	0		0	
DEBAGARH	9	7	2	0.25	1.51	0.10	0.49	7	77.78	0		0		2	22.22	0		0	
DHENKANAL	41	28	13	0.05	2.36	0.08	1.15	27	65.85	1	2.44	0		13	31.71	0		0	
GAJAPATI	33	18	15	0.07	5.07	0.10	1.95	17	51.52	0		1	3.03	15	45.45	0		0	
GANJAM	80	49	31	.00	2.61	0.03	2.17	47	58.75	2	2.50	0		30	37.50	1	1.25	0	
JAGATSINGHAPUR	11	8	3	0.07	0.70	0.00	0.77	8	72.73	0		0		3	27.27	0		0	
JAJAPUR	43	21	22	0.12	2.27	0.02	5.38	19	44.19	2	4.65	0		16	37.21	4	9.30	2	4.65
JHARSUGUDA	14	9	5	0.14	1.51	0.19	1.58	9	64.29	0		0		5	35.71	0		0	
KALAHANDI	32	20	12	0.01	3.73	0.12	1.61	19	59.38	1	3.13	0		12	37.50	0		0	
KANDHAMAL	23	12	10	0.06	1.25	0.03	5.20	12	52.17	0		0		8	34.78	0		2	8.70
KENDRAPARA	22	14	8	0.05	0.83	0.02	1.01	14	63.64	0		0		8	36.36	0		0	
KENDUJHAR	78	64	14	0.01	4.93	0.08	1.98	48	61.54	14	17.95	2	2.56	14	17.95	0		0	
KHORDHA	62	35	27	.00	3.67	0.01	2.63	33	53.23	2	3.23	0		25	40.32	2	3.23	0	
KORAPUT	55	30	25	0.02	3.16	0.01	2.20	27	49.09	3	5.45	0		24	43.64	1	1.82	0	
MALKANGIRI	20	13	7	0.03	1.50	0.09	0.97	13	65.00	0		0		7	35.00	0		0	
MAYURBHANJ	93	61	31	0.02	6.23	0.03	3.70	38	40.86	21	22.58	2	2.15	23	24.73	8	8.60	0	
NABARANGAPUR	22	11	11	0.04	0.94	0.02	1.65	11	50.00	0		0		11	50.00	0		0	
NAYAGARH	36	24	12	0.01	1.29	0.04	1.32	24	66.67	0		0		12	33.33	0		0	
NUAPADA	20	7	13	0.15	1.47	0.17	3.78	7	35.00	0		0		11	55.00	2	10.00	0	
PURI	79	48	31	.00	1.85	0.01	1.57	48	60.76	0		0		31	39.24	0		0	
RAYAGADA	19	16	3	0.01	2.48	0.15	0.84	15	78.95	1	5.26	0		3	15.79	0		0	
SAMBALPUR	73	50	23	0.03	1.78	0.00	3.50	50	68.49	0		0		22	30.14	1	1.37	0	
SONAPUR	48	22	26	0.09	2.46	0.01	1.98	21	43.75	1	2.08	0		26	54.17	0		0	
SUNDARGARH	76	45	31	.00	4.35	0.00	2.52	43	56.58	0		2	2.63	30	39.47	1	1.32	0	
Total	1334	798	534	0.70	0.25	0.00	5.38	729	54.64	60	4.49	9	0.67	506	37.93	23	1.72	5	0.37

8.0 GROUNDWATER QUALITY OF ODISHA

Groundwater monitoring is being carried out 4 times in a year (January, April, August and November) as a part of national ground water monitoring programme in the state of Odisha. Out of these, the collection of groundwater samples is carried out in the month of April for assessing the groundwater quality. Groundwater quality is assessed by analysing 1243 samples, (Table 8.1) collected from National Hydrograph Stations located in the state of Odisha during 2019 (April). The samples were analysed for 14 parameters namely pH, Electrical Conductivity, Total Dissolved Solids (TDS), Total Hardness (TH), Alkalinity, Calcium (Ca), Magnesium (Mg), Sodium (Na), Potassium (K), Carbonate (CO₃), Bicarbonate (HCO₃), Chloride (Cl), Sulphate (SO₄), and Fluoride (F) as per standard procedures laid down in APHA (23rd Edition). The suitability of groundwater is assessed for drinking purposes as per BIS (IS 10500:2012). The parameters like SAR, RSC and % Na calculated and are taken into consideration for assessing the samples for suitability in irrigation practices.

TABLE:8.1: DISTRICT WISE ANALYSIS OF NHS WATER SAMPLE OF 2019-20

SI.No	Districts	No. of Samples	SI.No	Districts	No. of Samples
1	Anugul	44	16	Kandhamal	18
2	Balangir	79	17	Kendrapara	20
3	Baleshwar	23	18	Kendujhar	60
4	Bargarh	56	19	Khordha	62
5	Baudh	44	20	Koraput	55
6	Bhadrak	18	21	Malkangiri	18
7	Cuttack	61	22	Mayurbhanj	73
8	Debagarh	6	23	Nabarangpur	26
9	Dhenkanal	35	24	Nayagarh	41
10	Gajapati	31	25	Nuapada	25
11	Ganjam	85	26	Puri	69
12	Jagatsinghpur	11	27	Rayagada	22
13	Jajapur	25	28	Sambalpur	73
14	Jharsuguda	13	29	Sonapur	49
15	Kalahandi	38	30	Sundargarh	62
Total					1243

Groundwater quality of the state is found to vary widely, depending upon the physiography, soil texture and underlain soil formations. The shallow aquifer of inland zone is mostly fresh and dominated by Ca-Mg- HCO₃ and mixed types of water. In the coastal plain where most of the wells are located in alluvium, the quality is relatively saline and also western parts of Odisha, the districts like, Kalahandi, and Bargarh, Sundargarh are saline. Groundwater from the state is slightly acidic to alkaline in nature with pH in the range of 6.02 and 9.15 with an average value 7.98. Basic statistics of Physico-Chemical parameters of Groundwater of Odisha 2019 is shown in the Table 8.2.

LOCATION MAP OF GROUNDWATER SAMPLING SITES OF ODISHA

PLATE-8.1

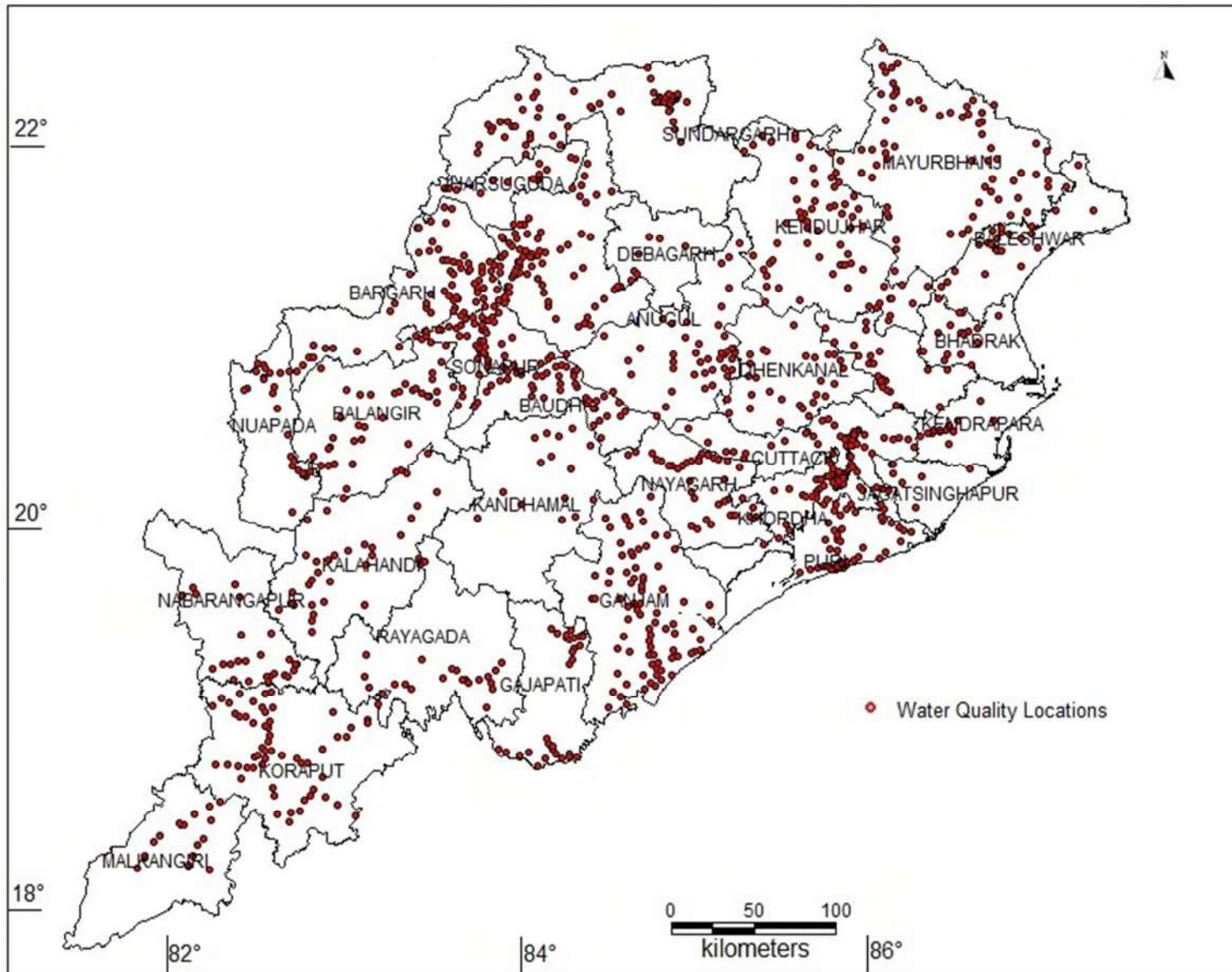


TABLE-8.2: BASIC STATISTICS OF PHYSICO-CHEMICAL PARAMETERS OF GROUNDWATER SAMPLES OF ODISHA

Parameters	Minimum	Maximum	Mean
pH	6.02	9.15	7.98
EC μ S/cm	40	5300	719
TDS, mg/l	25	2911	385
TH mg/l as CaCO ₃	20	1140	223
TA mg/l as CaCO ₃	5	779	184
Ca ⁺⁺ mg/l	4	313	47
Mg ⁺⁺ mg/l	0	164	26
Na ⁺ mg/l	0	945	55
K ⁺ mg/l	0	260	13
CO ₃ ⁼ mg/l	0	44	2.31
HCO ₃ ⁻ mg/l	6	932	220
Cl ⁻ mg/l	2	1456	91
SO ₄ ⁼ mg/l	0	441	34
F ⁻ mg/l	0.01	5.86	0.41

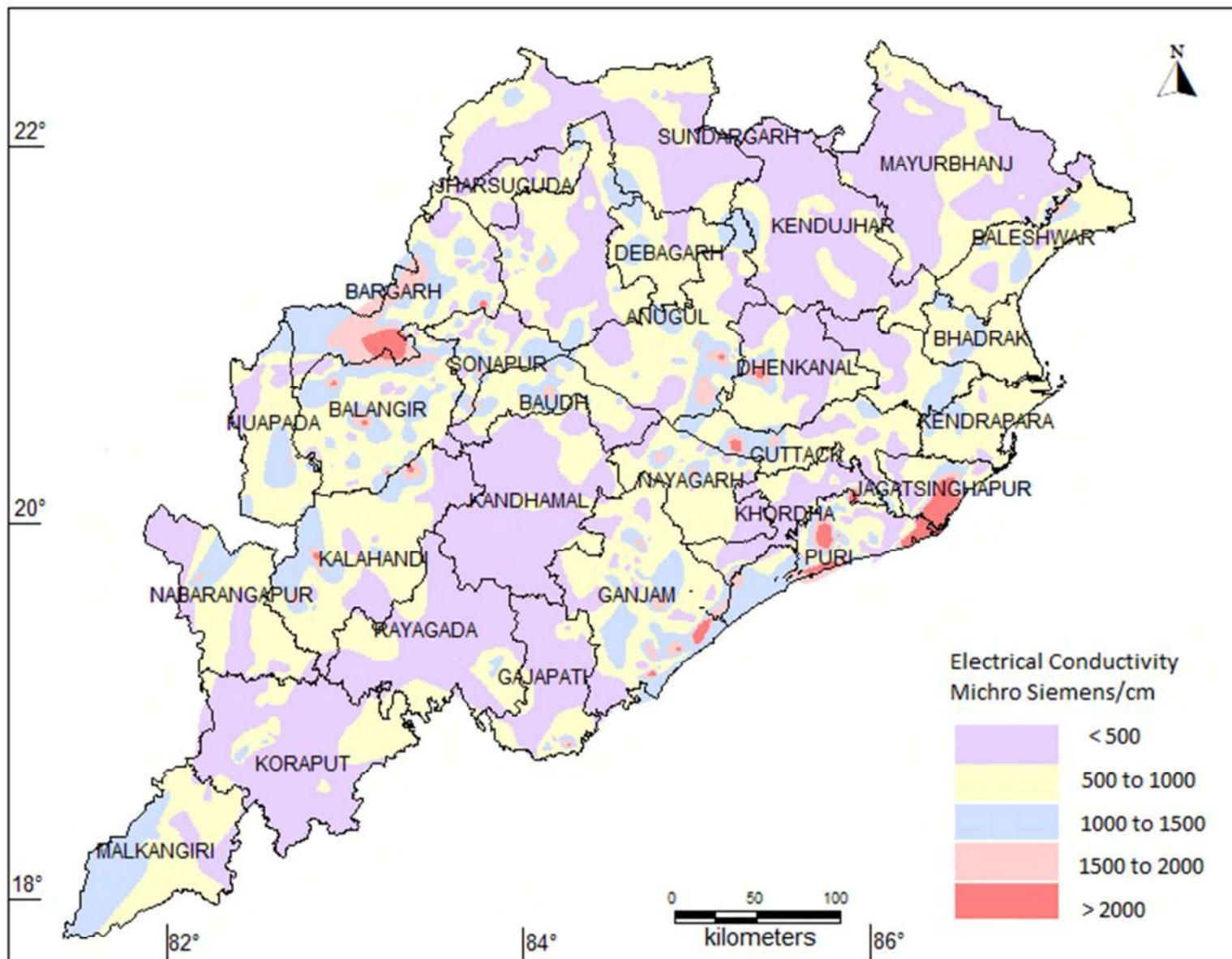
8.1.1 DISTRIBUTION OF ELECTRICAL CONDUCTIVITY

The distribution of electrical conductivity (EC) in the state varies from 40 to 5300 μ S/cm at 25°C. mg/l with an average 719 μ S/cm at 25°C. The maximum value of EC has been found in the well of Huma in Ganjam district. The distribution of EC in shallow aquifer of Odisha is given in **Plate 8.2**. The distribution map of Electrical conductivity shows that most part of that state is having EC less than 1000 μ S/cm with few exceptions in the western and coastal part. The locations having higher conductivity more than 2000 μ S/cm are listed below.

TABLE: 8.3: LOCATION OF WELLS HAVING HIGH ELECTRICAL CONDUCTIVITY (E.C. > 2000 μ S/cm)

SL NO.	DIST	VILLAGE	EC μ S/cm at 25°c
1	GANJAM	Huma	5300
2	PURI	Astarang	4450
3	PURI	P-19 Kashi Jagannathpur	4250
4	PURI	Sakhigopal	4000
5	PURI	P-32 Gobardhan Matha	3700

SL NO.	DIST	VILLAGE	EC μ S/cm at 25°c
6	GAJAPATI	Garabandh	3200
7	PURI	Uansdiha	3200
8	BARGARH	Attabira	3100
9	KHORDHA	Odakhanda	3050
10	BARGARH	Gaisilet3	2970
11	KALAHANDI	Sunamala	2810
12	PURI	Kalyanpur	2800
13	PURI	Algum	2800
14	GANJAM	Golanthara	2650
15	PURI	P-01 Krupa Sindura Patna	2650
16	PURI	P-45 Balipur	2650
17	JAGATSINGHAPUR	Bhutmundi1	2620
18	BARGARH	Baghapalli	2600
19	GANJAM	Hummuri	2600
20	CUTTACK	Balijhari 1	2560
21	PURI	P-12 ITI Chhak	2550
22	BALANGIR	Rigdol	2470
23	JAGATSINGHAPUR	Erasama-II	2410
24	SAMBALPUR	Sahaspur	2390
25	KALAHANDI	Badbasul	2290
26	BALANGIR	Baijal Sagar	2260
27	ANUGUL	Kukurang	2250
28	ANUGUL	Bhalugadia	2250
29	SONAPUR	Phulmuthi	2230
30	ANUGUL	Tentulai	2200
31	BALANGIR	Fattamunda	2170
32	SONAPUR	Ankhidadar	2150
33	BALANGIR	Nekpada	2130
34	GANJAM	Govindpur1	2110
35	DHENKANAL	Dhaulpur	2100
36	GANJAM	Lathi	2070
37	KALAHANDI	Tundala	2070
38	GANJAM	Baragam	2050

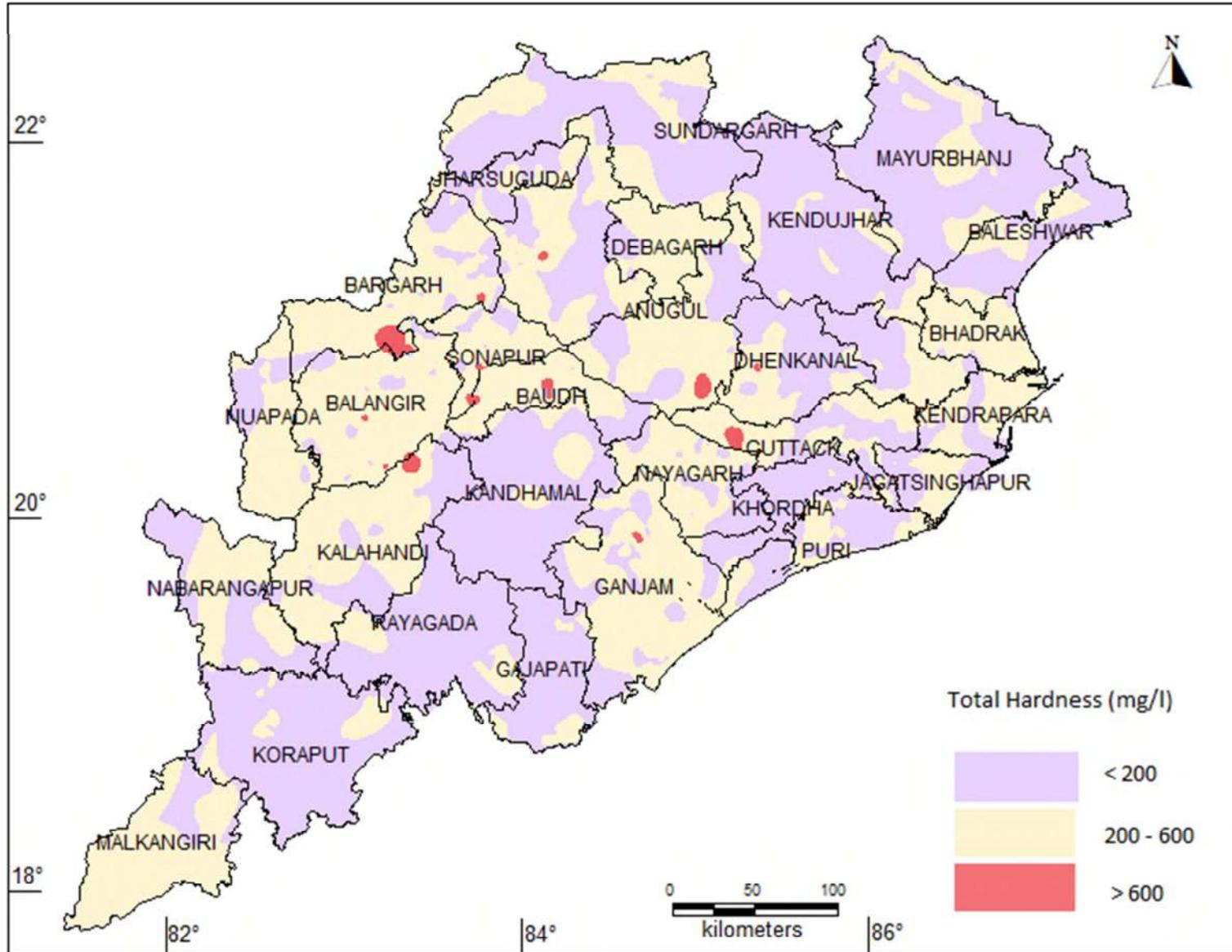


8.1.2 DISTRIBUTION OF TOTAL HARDNESS

The total hardness of the state ranges from 20 to 1140 mg/l with an average of 223 mg/l . The distribution of total hardness is shown in the plate 8.3 and the locations having more than 600 mg/l is listed in table 8.4.

TABLE: 8.4: LOCATION OF WELLS HAVING TOTAL HARDNESS > 600 mg/L AS CaCO₃

SL NO	DIST	VILLAGE	TH mg/l as CaCO ₃
1	CUTTACK	Balijhari 1	1140
2	GANJAM	Baragam	864
3	BARGARH	Baghapalli	842
4	BARGARH	Gaisilet3	832
5	BALANGIR	Rigdol	821
6	BAUDH	Kantamal	800
7	KALAHANDI	Tundala	790
8	PURI	Kalyanpur	763
9	ANUGUL	Bantala	740
10	SAMBALPUR	Badsahir	733
11	BAUDH	Gaundisahi	730
12	NAYAGARH	Kishore Prasad	700
13	GAJAPATI	Garabandh	694
14	NUAPADA	Junani	689
15	SONAPUR	Tebhapadar	687
16	BALANGIR	Nekpada	684
17	SONAPUR	Bagduli	677
18	BALANGIR	Fattamunda	663
19	KALAHANDI	Sunamala	660
20	PURI	P-32 Gobardhan Matha	653
21	BARGARH	Jagalpet	639
22	DHENKANAL	Dhaulpur	622
23	SONAPUR	Phulmuthi	621
24	KALAHANDI	Mahichala	620
25	SONAPUR	Nandanamal	616
26	BARGARH	Attabira	604
27	BARGARH	Shukutapali	604
28	SAMBALPUR	Naxapali	604



8.2 ASSESSMENT OF GROUNDWATER QUALITY FOR DRINKING PURPOSE

The test results of groundwater samples (NHS, 2019) are used to assess the suitability for drinking purposes by compared with that of the drinking water specification of Bureau of Indian Standards (IS 10500:2012). The suitability of the ground water samples collected from shallow aquifers for drinking purposes with reference to chemical parameters is presented in Table 8.4.

TABLE: 8.5: STATUS OF GROUNDWATER OF ODISHA FOR DRINKING PURPOSE (IS-10500: 2012)

Parameters	Drinking water Specification (IS 10500:2012)		Samples (%)		
	Acceptable Limit	Permissible Limit in the Absence of Alternate Source	Suitable	Acceptable	Unsuitable
pH	6.5-8.5	No relaxation	92.7	0	7.3
TDS, mg/l	500	2000	75.7	24	0.3
TH mg/l as CaCO ₃	200	600	51	46.7	2.3
TA mg/l as CaCO ₃	200	600	61.5	37.9	0.6
Ca ⁺⁺ mg/l	75	200	87.6	12.3	0.1
Mg ⁺⁺ mg/l	30	100	68.8	29.8	1.4
Cl ⁻ mg/l	250	1000	93.8	6	0.2
SO ₄ ⁼ mg/l	200	400	99.2	0.6	0.2
F ⁻ mg/l	1.0	1.5	92.7	4.4	2.9
OVERALL			43.3	44.3	12.4

Out of 1243 samples, 92.7% of samples the pH are between 6.5 and 8.5 and are suitable for drinking when compared with the drinking water specification of Bureau of Indian Standards (IS 10500:2012). The highest pH 9.15 of groundwater sample was found in Kasarda, of Cuttack district was found and unfit for drinking purposes. There are such 91 samples unfit for drinking purposes in the state due to high pH values.

8.2.1 DISTRIBUTION OF TDS

The Total Dissolved Solids (TDS) when compared with the drinking water specification of Bureau of Indian Standards (IS 10500:2012), it is found that 75.7% of total samples are suitable for drinking purposes whereas only 4 nos of samples are unfit for drinking. The TDS varies from 24 to 2911 mg/l with an average 383 mg/l. The maximum value of TDS has been found in the well located at Huma in Ganjam district. The TDS is within the

range of 500 mg/l northern and southern part of the state whereas the remaining part of Odisha, the TDS are within the range of 500 – 2000 mg/l except 4 stations. The locations with the TDS more than 2000 mg/l are given below:

TABLE: 8.6: LOCATIONS WITH TDS > 2000 mg/L

SL NO	DIST	VILLAGE	TDS in mg/L
1	GANJAM	Huma	2911
2	PURI	Astarang	2371
3	PURI	Sakhigopal	2355
4	PURI	P-19 Kashi Jagannathpur	2206

8.2.2 DISTRIBUTION OF TOTAL ALKALINITY

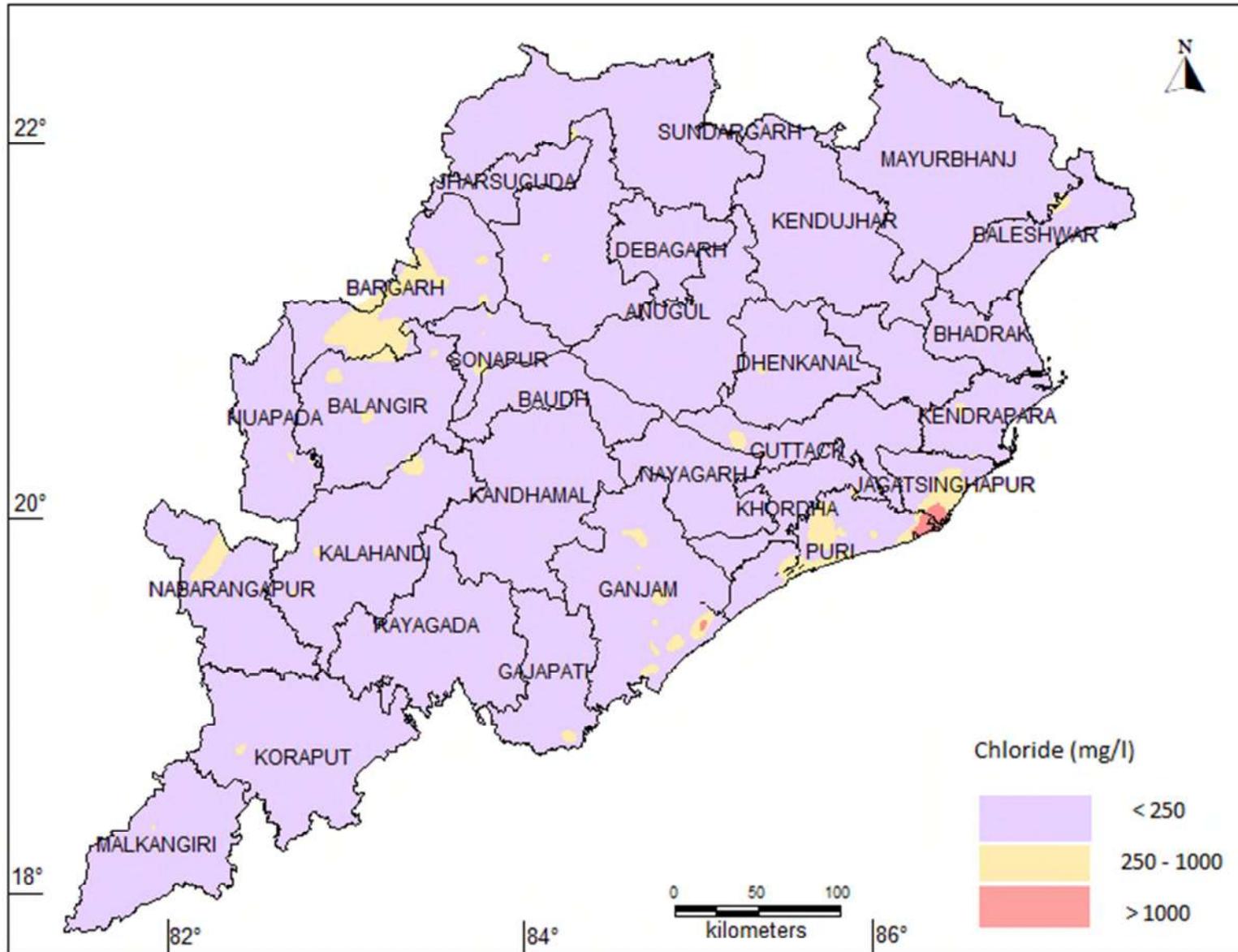
The total alkalinity of groundwater samples ranges from 5 to 779 mg/l as CaCO₃. 61.5 % of samples are within the acceptable limit of drinking water specification of Bureau of Indian Standards (IS 10500:2012) where as 0.6% of samples (7 nos) in the state exceeds the maximum permissible limit and are not suitable for drinking purposes.

8.2.3 DISTRIBUTION OF CHLORIDE

Chloride content in 1166 (93.0%) number of samples in the state are within the acceptable limit of drinking water specification of Bureau of Indian Standards (IS 10500:2012) and may be used for drinking purposes. 4 number of samples in the state exceeds the BIS maximum permissible limit and are not suitable for drinking purposes. The locations having higher chloride content in the state are given below: The distribution of chloride in the state shows that the chloride value is within 1000 mg/l except at two locations. The following locations are having the chloride content more than 1000 mg/l.

TABLE: 8.7: LOCATIONS WITH CHLORIDE > 1000 mg/L

SL NO	DIST	VILLAGE	Cl in mg/l
1	GANJAM	Huma	1456
2	PURI	Astarang	1267



8.2.4 DISTRIBUTION OF FLUORIDE

Fluoride content in the state varies between 0.01 and 5.68 mg/l and maximum concentration is detected at Badabasul of Kalahandi district . There are 36 stations listed below where the fluoride content in groundwater is more than the maximum permissible limit of drinking water specifications (IS 10500:2012).

Out of 30 districts, 14 districts are affected with high fluoride content in groundwater in the state of Odisha. The locations having fluoride content is more than the maximum permissible limit of drinking water specifications (IS 10500:2012) is given below.

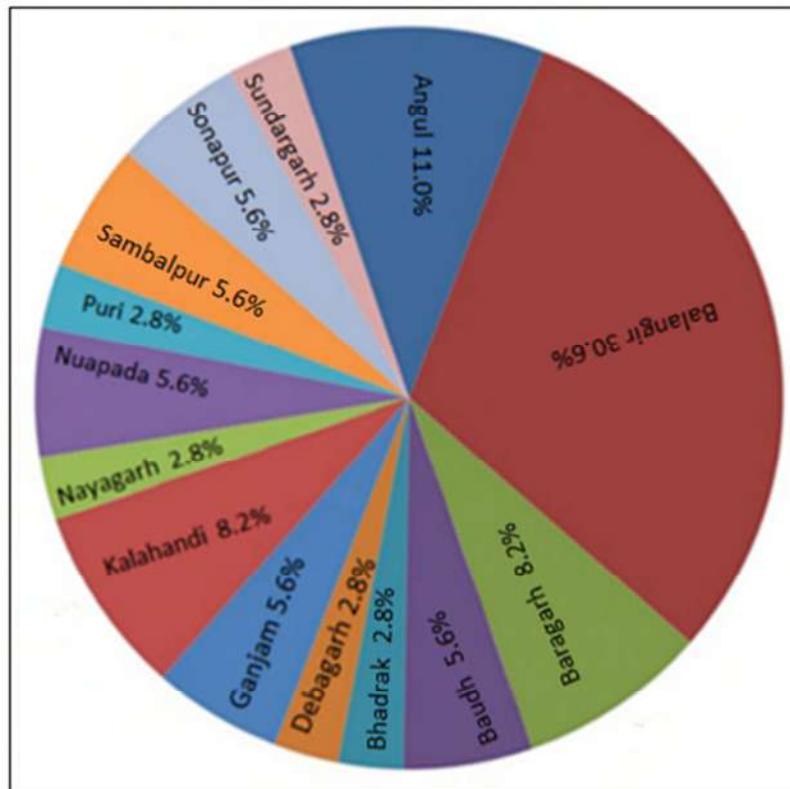
TABLE: 8.8: LOCATIONS WITH FLUORIDE > 1.50 mg/L

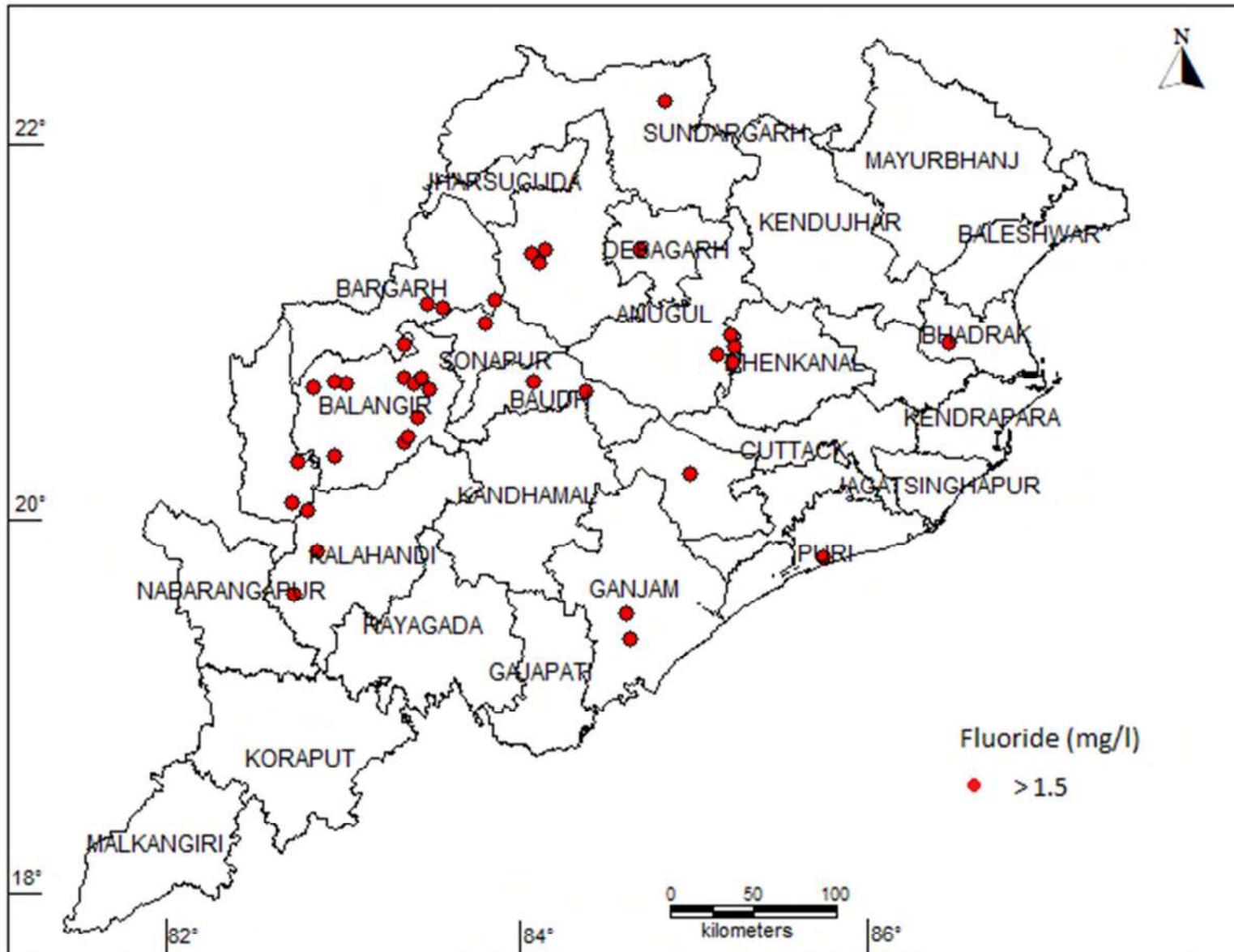
SL NO	DIST	VILLAGE	F in mg/L
1	KALAHANDI	Badabasul	5.86
2	ANUGUL	Kukurang	3.34
3	BALANGIR	Phulkimunda	2.63
4	BALANGIR	Sagarpali	2.57
5	SONAPUR	Ankhidadar	2.49
6	BAUDH	Rambhikata	2.39
7	BALANGIR	Bijakhaman	2.24
8	NAYAGARH	Nuagaon1	2.24
9	PURI	Budhiabar	2.21
10	KALAHANDI	Ladugaon	2.2
11	BHADRAK	Dhamnagar	2.16
12	SUNDARGARH	R-12 Gangadharpally	2.13
13	DEBAGARH	Rengalbeda	2.08
14	KALAHANDI	Golmunda	2
15	BALANGIR	Mahagaon	1.99
16	BAUDH	Usbelika	1.98
17	BARGARH	Jagalpet	1.96
18	NUAPADA	Ghantiguda	1.93
19	ANUGUL	Banarpal1	1.87
20	BALANGIR	Jogimunda	1.84
21	GANJAM	Sheragada	1.83
22	ANUGUL	Sendhogram	1.78
23	BARGARH	Burdapali	1.76
24	NUAPADA	Loharapalli	1.76
25	BALANGIR	Jhankar Pali	1.75

SL NO	DIST	VILLAGE	F in mg/L
26	BALANGIR	Dudukasira	1.7
27	SAMBALPUR	Padiabahal	1.68
28	BALANGIR	Dumalpada	1.65
29	BALANGIR	Jamut	1.61
30	ANUGUL	Chauliakata	1.6
31	BARGARH	Rusuda	1.6
32	SAMBALPUR	Bhoipali	1.6
33	BALANGIR	Baijal Sagar	1.57
34	GANJAM	Pitamberpur	1.52
35	SONAPUR	Chandajhuri	1.52
36	BALANGIR	Banjipali	1.51

Out of 1243 samples, 36 samples were unfit for drinking purposes and the districts include Balangir, Anugul, Baragarh, Kalahandi, Nuapda, Sonapur, Sambalpur, Baudh, Sundargarh etc.

PIE CHART ON DISTRIBUTION OF HIGH FLUORIDE (>1.5 mg/L) IN THE GROUNDWATER OF ODISHA (NHS-2019)





During 2019, 1243 nos of groundwater samples were assessed for drinking and irrigation purposes in the state of Odisha. Out of these samples 43.3% (538) samples are suitable for drinking purposes , 44.3% samples are accepted while remaining 12.4% are not suitable for drinking purposes when compared with the drinking water specification of Bureau of Indian Standards (IS 10500:2012). The samples not fit for drinking purpose may be due to high values of fluoride, pH, total hardness , chloride and total dissolved solids.

8.3 ASSESSMENT OF GROUNDWATER FOR IRRIGATION PURPOSES

The most extensive use of ground water in the world is for the irrigation consumption. The chemical quality of ground water is an important factor to be considered in evaluating its usefulness for irrigation as poor-quality ground water may cause salinity, specific ion toxicity or infiltration problem in soils. Such effect may adversely affect crop production. Water quality constraints in irrigation can be examined using a number of empirical indices that have been established on the basis of field experience and experiments. The parameters like SAR, RSC and % Na are calculated and are taken into consideration for assessing the samples for suitability in irrigation practices.

SODIUM ADSORPTION RATIO (SAR) is a very important property of water from its irrigation application point of view. The sodium (Na⁺), Calcium (Ca⁺⁺) and Magnesium (Mg⁺⁺) ions are important for determining SAR value of water . SAR of water is calculated by the following equation given by Richard (1954) as:

$$SAR = \frac{Na^{+}}{\sqrt{\frac{Ca^{++} + Mg^{++}}{2}}}$$

Where all the ions are expressed in meq/l.

There is a significant relationship between SAR values of irrigation water and the extent to which sodium is absorbed by the soil. Sodium replacing adsorbed calcium and magnesium is a hazard that damage soil structure as indicated by the high SAR. The U.S. Salinity Laboratory (USSL) diagram was used to classify the waters for irrigation (Richard,1954). In the USSL diagram, Electrical Conductivity (EC) is taken as the salinity hazard and SAR as the alkalinity hazard . These two parameters are important to assess the quality of water for irrigation in USSL diagram.

RANGE OF IRRIGATION WATER QUALITY INDICES OF ODISHA (NHS, 2019)

Indices	Min	Max	Mean
SAR	0.051	20.92	1.53
RSC	-20.81	9.96	-0.78
%Na	0	88.93	28.59

TABLE:8.9: SALINITY HAZARD OF GROUNDWATER ACCORDING TO ELECTRICAL CONDUCTIVITY

Water Class-	Range of EC in $\mu\text{S/cm}$	Salinity significance		Percentage of samples
C1	<250	Low salinity water	Most crops on most soils	14%
C2	250-750	Medium salinity water	Plants with moderate salt tolerance	51%
C3	750-2250	High salinity water	Plants with good salt tolerance, special management for salinity control	33%
C4	>2250	Very high salinity water	Not suitable for irrigation	2%

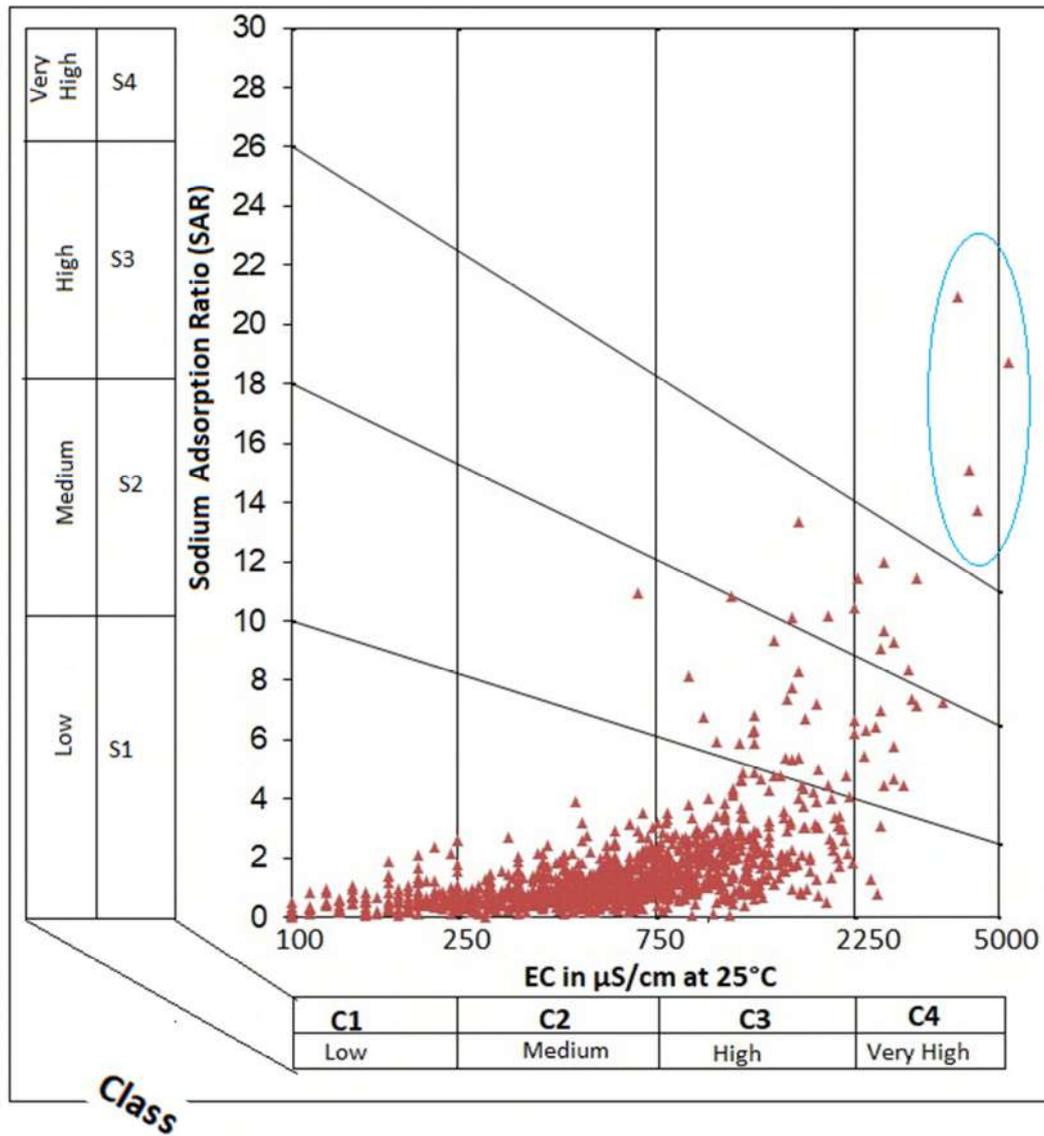
TABLE:8.10: CLASSIFICATION OF GROUNDWATER ON THE BASIS OF SODIUM ADSORPTION RATIO

Parameter	Range	Class	Water Classification	Percentage of samples
Sodium Adsorption Ratio (SAR)	<10	S1	Excellent	98.9%
	10-18	S2	Good	0.9%
	18-26	S3	Fair	0.2%
	>26	S4	Poor	Nil

TABLE:8.11: LOCATIONS HAVING SAR VALUES GREATER THAN 10

SL NO	DIST	VILLAGE	SAR	EC in $\mu\text{S/cm}$ at 25° C
1	PURI	Sakhigopal	20.918	4000
2	GANJAM	Huma	18.714	5300
3	PURI	P-19 Kashi Jagannathpur	15.112	4250
4	PURI	Astarang	13.748	4450
5	PURI	Madrang	13.324	1650
6	PURI	P-45 Balipur	12.001	2650
7	PURI	Uansdiha	11.404	3200
8	KALAHANDI	Badbasul	11.398	2290
9	PURI	Gop 1	10.958	680
10	JAJAPUR	Baruda	10.845	1140

SL NO	DIST	VILLAGE	SAR	EC in $\mu\text{S}/\text{cm}$ at 25°C
11	ANUGUL	Kukurang	10.46	2250
12	SUNDARGARH	R-06 Basanti Colony	10.136	1950
13	KENDRAPARA	Jamdhar	10.096	1600



U.S. SALINITY DIAGRAM OF GROUNDWATER OF ODISHA

TABLE:8.12: LOCATIONS HAVING EC GREATER THAN 2250 IN $\mu\text{S}/\text{CM}$ AT 25°C WITH THEIR SAR VALUE

SL NO	DIST	VILLAGE	EC in $\mu\text{S}/\text{cm}$ at 25°C	SAR
1	GANJAM	Huma	5300	18.714
2	PURI	Astarang	4450	13.748
3	PURI	P-19 Kashi Jagannathpur	4250	15.112
4	PURI	Sakhigopal	4000	20.918
5	PURI	P-32 Gobardhan Matha	3700	7.249
6	PURI	Uansdiha	3200	11.404
7	GAJAPATI	Garabandh	3200	7.118
8	BARGARH	Attabira	3100	7.343
9	KHORDHA	Odakhanda	3050	8.363
10	BARGARH	Gaisilet3	2970	4.476
11	KALAHANDI	Sunamala	2810	5.755
12	PURI	Algum	2800	9.266
13	PURI	Kalyanpur	2800	4.656
14	PURI	P-45 Balipur	2650	12.001
15	GANJAM	Golanthara	2650	9.685
16	PURI	P-01 Krupa Sindura Patna	2650	4.453
17	JAGATSINGHAPUR	Bhutmundi1	2620	9.083
18	GANJAM	Hummuri	2600	6.967
19	BARGARH	Baghapalli	2600	3.087
20	CUTTACK	Balijhari 1	2560	0.772
21	PURI	P-12 ITI Chhak	2550	6.433
22	BALANGIR	Rigdol	2470	1.259
23	JAGATSINGHAPUR	Erasama-II	2410	6.322
24	SAMBALPUR	Sahaspur	2390	5.432
25	KALAHANDI	Badbasul	2290	11.398
26	BALANGIR	Baijal Sagar	2260	6.662

RESIDUAL SODIUM CARBONATE (RSC)

The RSC is defined as the excess of carbonate and bicarbonate amount over the alkaline earths (Ca^{++} and Mg^{++}). Use of RSC beyond permissible limit (>2.5) adversely affects irrigation. The tendency of Ca^{++} and Mg^{++} to precipitate, as the water in the soil becomes more concentrated, as a result of evaporation and plant

transpiration, and gets fixed in the soil by the process of base exchange, thereby decreasing the soil permeability.

$$\text{RSC} = (\text{CO}_3^{2-} + \text{HCO}_3^-) - (\text{Ca}^{++} + \text{Mg}^{++})$$

Where concentrations are in meq/l.

Distribution of ground water in the state as per RSC given in Table reveals, majority of samples (94.5%) fall in Safe category (RSC < 1.25), 2.8 % samples in the doubtful category and remaining 2.7% samples in the Unsuitable category and are not suitable for irrigation purposes.

CLASSIFICATION OF GROUNDWATER OF ODISHA ON THE BASIS OF RSC

Parameter	Range	Water classification	No of samples
RSC	<1.25	Good	94.5%
	1.25-2.5	Doubtful	2.8%
	>2.5	Unsuitable	2.7%

PERCENT SODIUM (%NA)

Sodium percent is a parameter used to evaluate fitness of water for irrigation purposes and therefore is a vital component in classifying irrigation water. Irrigation water containing large amounts of Na⁺ is of special concern due to sodium's effects on the soil, leading to salinity hazard. Excess Na⁺ in water produces the undesirable effects of changing soil properties and reducing soil permeability. The following formula is used for calculating the percent sodium (%Na):

$$\% \text{Na} = \frac{\text{Na}^+}{\text{Ca}^{2+} + \text{Mg}^{2+} + \text{Na}^+ + \text{K}^+}$$

The % Na was found up to 87.08% with an average 28.08% in the state. Out of 1243 tested samples, 29.3% are found to be excellent while 53.4% samples of good to permissible types for irrigation. 13.8% samples fall under permissible to doubtful. The remaining groundwater samples fall in the doubtful/unsuitable categories.

Parameter	Range	Water classification	No of samples
%Na	<20%	Excellent to good	29.3%
	20-40	Good to permissible	53.4 %
	40-60	Permissible to doubtful	13.8%
	60-80	Doubtful to unsuitable	2.9%
	>80%	Unsuitable	0.6%

DISTRIBUTION OF TRACE AND TOXIC ELEMENTS IN THE STATE OF ODISHA

A total of 1114 samples were collected to know the status of the trace and toxic elements content in groundwater in the state of Odisha during Nov-2019. The samples were collected in 125 ml polyethylene bottles which were pre-cleaned with concentrated nitric acid. After collection the samples were acidified with ultrapure concentrated nitric acid (65%).

TABLE:8.13: DISTRICT WISE ANALYSIS OF SAMPLES FOR TRACE AND TOXIC ELEMENTS

SI No.	District	No of samples Analysed	SI No.	District	No of samples Analysed
1	Anugul	44	16	Kandhamal	30
2	Balangir	63	17	Kendrapara	12
3	Balasore	30	18	Kendujar	55
4	Bargarh	54	19	Khurdha	62
5	Bhadrak	21	20	Koraput	34
6	Baudh	48	21	Malkangiri	12
7	Cuttack	55	22	Mayurbhanj	75
8	Deogarh	6	23	Nabarangpur	15
9	Dhenkanal	38	24	Nayagarh	35
10	Gajapati	30	25	Nuapada	17
11	Ganjam	64	26	Puri	66
12	Jagatsingpur	11	27	Rayagada	14
13	Jajapur	20	28	Sambalpur	73
14	Jharsugada	15	29	Sonapur	43
15	Kalahandi	31	30	Sundargarh	41
Total		1114			

TABLE:8.14: ANALYSIS OF SAMPLES FOR TRACE AND TOXIC ELEMENTS

Characteristics mg/L	Min	Max	Average	No of samples		
				Below Acceptable limit	Within acceptable limit and maximum Permissible limit	Above Maximum Permissible limit
U	0.003	0.059	0.007	936	174	4
As	0.003	0.147	0.007	1036	74	4
Pb	0.003	0.114	0.011	1091	19	4
Fe	0.253	27.369	1.93	929	115	70
Mn	0.253	5.942	0.983	967	19	128
Cu	0	0	-	1114	0	0
Zn	0.522	24.682	4.36	1080	32	2
Cr	0.55	0.55	0.55	1113	0	1

DISTRIBUTION OF IRON

According to drinking water specification of BIS (IS 10500:2012), the maximum permissible limit of Fe is 1.0 mg/l. The Fe concentration in the groundwater of the state ranges between 0.25 mg/l and 27.37 mg/l , with a mean value of 1.93 mg/l.

TABLE:8.15 LOCATIONS HAVING Fe > 1.0 mg/L

SL No	District	Block	Village	Fe mg/L
1	Dhenkanal	Kamakshaya nagar	Mahulpal	27.369
2	Khordha	Tangi	Kuhudi	15.488
3	Kendrapara	Kendrapara	Jajanga	15.042
4	Jharsuguda	Laikera	Chadnimal	12.569
5	Sambalpur	Rairakhol	Mochibahal	11.234
6	Sundargarh	Baragaon	Ekma	10.394
7	Koraput	Lakshmipur	Mandalguda Colony	8.422
8	Mayurbhanj	Bangiriposi	Jharpokhari	8.054
9	Rayagada	Kashipur	Gorakhpur	8
10	Sundargarh	Sundargarh	Bhasma	7.811
11	Koraput	Boriguma	Khaliaguda	7.372
12	Balasore	Baliapal	Baliapal	6.962
13	Mayurbhanj	Beta nati	Hatjori	6.421
14	Puri	Gop	Baleshwarpatna	5.824
15	Dhenkanal	Bhuban	Bhuban	5.38
16	Cuttack	Cuttacksadar	Gopalpur2	5.365

SL No	District	Block	Village	Fe mg/L
17	Cuttack	Cuttacksadar	C-16 Bauxi Bazar	5.231
18	Mayurbhanj	Khunta	Brundabanchandrapur	4.596
19	Jagatsinghpur	Kujang	Bhutmundi1	4.336
20	Sambalpur	Maneswar	Talpali	4.263
21	Sonepur	Binika	Rampur	4.176
22	Sambalpur	Rairakhol	Luhapank	4.039
23	Nabarangapur	Kosagumuda	Kosagumunda	3.984
24	Balasore	Nilagiri	Bhalukasuni 1	3.639
25	Jajapur	Dharmasala	Kabatabandha	3.614
26	Bhadrak	Basudebpur	Basudevpur-II	3.488
27	Sundargarh	Sundargarh	Jagimal	3.36
28	Bhadrak	Dhamanagar	Betaligaon	3.235
29	Sambalpur	Kochinda	Kuchinda	3.213
30	Sundargarh	Kuanmunda	Kuarmunda	3.204
31	Puri	Sadar	P-42 Balighat	3.155
32	Nabarangapur	Tentulikhunti	Anchalguma1	2.705
33	Sambalpur	Naktideul	Simlipal Chawk	2.653
34	Sonapur	Dunguripali	Chandajhuri	2.494
35	Koraput	Jeypur	Kenduguda	2.485
36	Nabarangpur	Umarkote	Umarkot	2.45
37	Bhadrak	Basudebpur	Basudevpur-I	2.423
38	Koraput	Boriguma	Boriguma	2.403
39	Khordha	Bhubaneswar	B-14 Rasulgarh	2.379
40	Sambalpur	Dhankauda	Jugipali	2.356
41	Jajapur	Badachana	Arkhapur	2.25
42	Kendrapara	Kendrapara	Shyamsundarpur	2.139
43	Bhadrak	Bhadrak	Durgapur	2.129
44	Mayurbhanj	Bija tola	Bademtolia	2.064
45	Jharsuguda	Kolabira	Ram Kumar Chawk	2.02
46	Baragarh	Bheden	RESHAM	1.969
47	Cuttack	Cuttacksadar	C-06 Bidanasi	1.906
48	Khordha	Bhubaneswar	B-22 Mancheswar	1.874
49	Keonjhar	Telkoi	Pitanali	1.861
50	Jagatsinghpur	Jagatsingpur	Balia Store	1.85
51	Kendrapara	Pattamundai	Pattamundai3	1.769
52	Kandhamal	Phulabani	Katringia	1.735
53	Nayagarh	Dasapalla	Kuluru Kumpa	1.717
54	Jharsuguda	Kolabira	Sriyapali	1.682
55	Dhenkanal	Parajang	Kandarsingha	1.604
56	Mayurbhanj	Gopa bandhu nagar	Similibandh	1.566
57	Bhadrak	Bant	Kenduapada	1.551

SL No	District	Block	Village	Fe mg/L
58	Cuttack	Cuttacksadar	C-31 Pithapur	1.536
59	Jajapur	Dharmasala	Ragadiposi	1.532
60	Nabarangapur	Paparahandi	Maidalpur1	1.516
61	Puri	Gop	Mahapur	1.515
62	Cuttack	Cuttacksadar	C-03 Khannagar	1.509
63	Nayagarh	Bhapur	Bhapur1	1.492
64	Jharsuguda	Lakhanpur	Singarpur	1.488
65	Baragarh	Bheden	Satlama	1.46
66	Puri	Gop	Balighai	1.363
67	Puri	Pipil	Mangalpur	1.351
68	Kendrapara	Rajnagar	Rajnagar	1.226
69	Sambalpur	Jujomura	Gargarbahal	1.219
70	Balasore	Nilagiri	Darkholi	1.127

DISTRIBUTION OF MANGANESE (MN)

According to BIS (2012), the maximum permissible limit and acceptable limit of Mn in drinking water is 0.1 and 0.3 mg/l respectively. The Mn concentration in the groundwater of the state ranges between 0.25 mg/l and 5.94 mg/l, with a mean value of 0.98 mg/l.

DISTRIBUTION OF URANIUM (U)

According to drinking water specification of BIS (IS 10500:2012), the maximum permissible limit of Uranium is 0.03 mg/l. The Uranium (U) concentration in the groundwater of the state is found upto 0.059 mg/l at Gosala of Sambalpur district. The locations having higher U content are listed below.

TABLE:8.16: LOCATIONS HAVING URANIUM > 0.03 mg/L

SL No	District	Block	Village	U mg/L
1	Sambalpur	Maneswar	Gosala	0.059
2	Dhenkanal	Parajang	Kandarsingha	0.038
3	Sundargarh	Subdega	Alikera	0.038
4	Anugul	Banarpal	Kukurang	0.036

DISTRIBUTION OF ARSENIC (As)

Arsenic (As) occurs in earth's crust in small amount and is highly toxic with maximum permissible limit of 0.01 mg/l. The locations having higher As content are listed below

TABLE:8.17: LOCATIONS HAVING ARSENIC > 0.01 mg/L

SL No	District	Block	Village	As mg/L
1	Ganjam	Rangilunda	Berhampur1	0.147
2	Kendrapara	Kendrapara	Jajanga	0.015
3	Bhadrak	Bant	Kenduapada	0.011
4	Jagatsinghpur	Ersama	Nuagaon	0.011

DISTRIBUTION OF LEAD (Pb)

According to BIS (2012), the maximum permissible limit of Lead (Pb) in drinking water is 0.01 mg/l. The Mn concentration in the groundwater in the state ranges between 0.25 mg/l and 5.94 mg/l, with a mean value of 0.98 mg/l. The locations having higher Pb content are listed below.

TABLE:8.18: LOCATIONS HAVING LEAD > 0.01 mg/L

SL No	District	Block	Village	Pb mg/L
1	Sonepur	Ulunda	Sindol	0.114
2	Sundargarh	Lahunipara	Darjin	0.025
3	Sambalpur	Kochinda	Kuchinda	0.016
4	Boudh	Harbhanga	Purnakatak1	0.015

DISTRIBUTION OF ZINC (Zn)

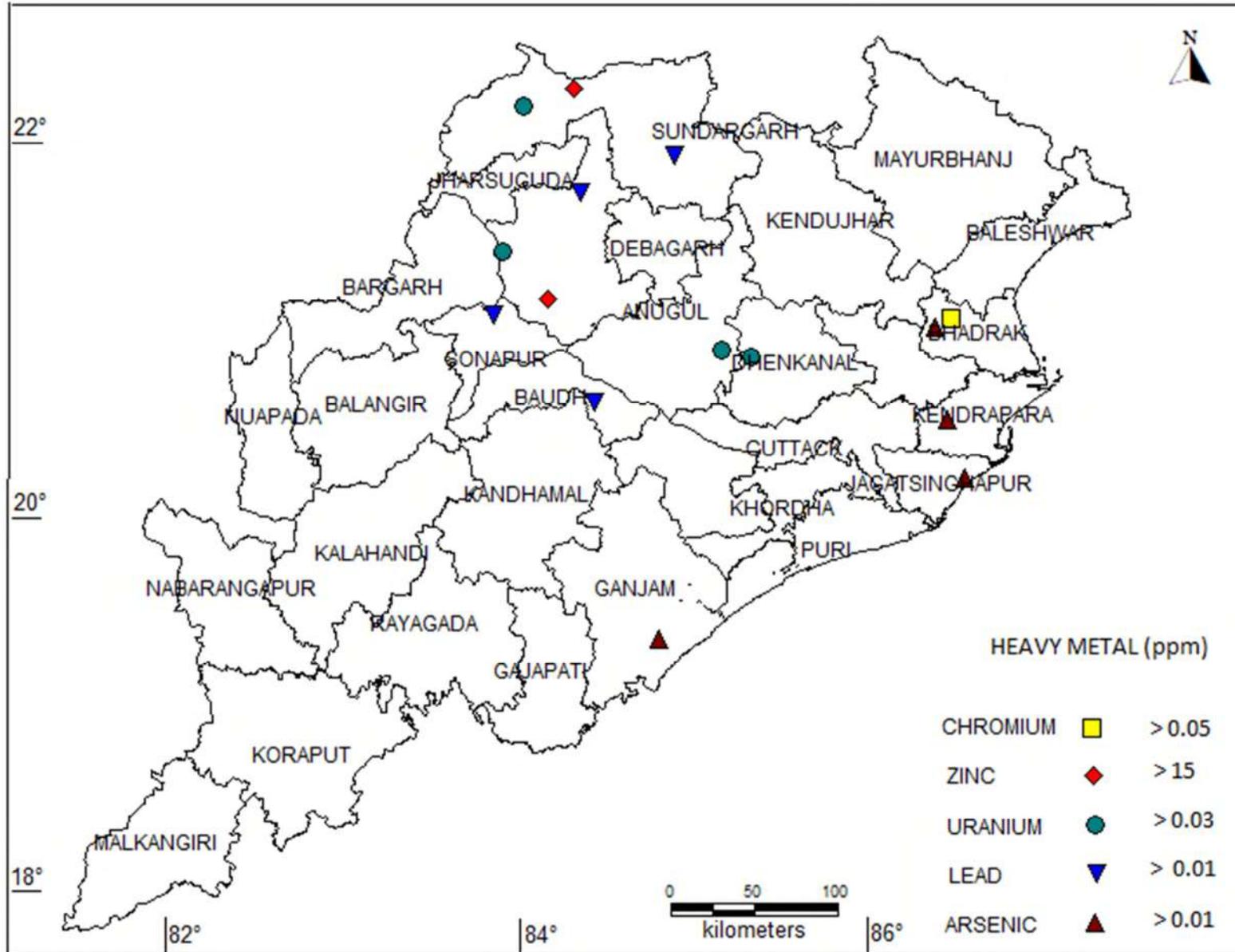
The maximum permissible limit and acceptable concentration of Zn in drinking water is 15 mg/l and 5 mg/l respectively. The locations having higher Zn content are listed below:

TABLE:8.19: LOCATIONS HAVING ZINC > 15.0 mg/L

SL No	District	Block	Village	Zn mg/l
1	Sambalpur	Rairakhol	Mochibahal	24.682
2	Sundargarh	Baragaon	Ekma	19.854

DISTRIBUTION OF CHROMIUM (Cr)

Chromium (Cr) occurs in earth's crust in small amounts. Pure metallic form of Cr does not occur naturally. The maximum permissible limit of Cr in drinking water according to BIS (2012) is 0.05 mg/l. The maximum concentration of Cr (0.55 mg/l) is observed at village Randia of Bhadrak district during 2019.



ANNEXURE - I

GENERAL DETAILS OF NHS WELLS IN ODISHA				
ANUGUL				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
ANUGUL	20°35'54" N	84°47'15" E	Tikarpara	Dug Well
ANUGUL	20°38'45" N	84°50'10" E	Purnakot	Dug Well
ANUGUL	20°35'54" N	84°47'15" E	Tikarpara-ii	Dug Well
ANUGUL	20°43'16" N	84°52'10" E	Jagannathpur	Dug Well
ANUGUL	20°52'48" N	85°10'4" E	Jarpada Pz	Bore Well
ANUGUL	20°50'18" N	85°2'8" E	Derjung	Bore Well
ANUGUL	20°49'31" N	84°58'25" E	Maratira	Bore Well
ANUGUL	20°44'30" N	85°3'56" E	Bantala-li	Bore Well
ANUGUL	20°48'12" N	85°0'28" E	Panchmahala-li	Bore Well
ANUGUL	20°48'50" N	84°59'58" E	Tubey	Dug Well
ANUGUL	20°49'22" N	85°3'33" E	Panchmahala	Dug Well
ANUGUL	20°44'35" N	85°3'47" E	Bantala	Dug Well
ANUGUL	20°45'18" N	85°6'0" E	Barhabahal	Dug Well
ATHMALLIK	20°53'7" N	84°37'22" E	Tileswar	Dug Well
ATHMALLIK	20°48'48" N	84°38'5" E	Thakurgarh 1	Dug Well
ATHMALLIK	20°43'19" N	84°31'53" E	Athamallik 2	Dug Well
BANARPAL	20°41'15" N	85°11'8" E	Mahidharpur	Dug Well
BANARPAL	20°50'30" N	85°12'58" E	Banarpal1	Dug Well
BANARPAL	20°50'10" N	85°10'10" E	Kulnara1	Dug Well
BANARPAL	20°50'56" N	85°10'8" E	Amna	Dug Well
BANARPAL	20°53'30" N	85°12'50" E	Bhogabereni	Dug Well
BANARPAL	20°50'20" N	85°5'58" E	Angul1	Dug Well
BANARPAL	20°48'13" N	85°11'12" E	Tulsipal	Dug Well
BANARPAL	20°53'27" N	85°4'52" E	Kuio	Dug Well
BANARPAL	20°53'50" N	85°8'54" E	Kukurang	Dug Well
CHHENDIPADA	20°54'24" N	84°49'14" E	Katada	Dug Well
CHHENDIPADA	20°50'48" N	84°52'45" E	Ugi	Dug Well
CHHENDIPADA	20°52'35" N	84°52'55" E	Jharpada	Dug Well
CHHENDIPADA	20°55'35" N	85°0'15" E	Nisa	Dug Well
CHHENDIPADA	21°4'54" N	84°52'18" E	Chendipada1	Dug Well
CHHENDIPADA	21°6'25" N	84°48'57" E	Bagharia	Dug Well
CHHENDIPADA	21°0'27" N	84°56'56" E	Kosala1	Dug Well
CHHENDIPADA	20°55'5" N	84°52'58" E	Durgapur 1	Dug Well
KANIHA	21°5'24" N	84°59'52" E	Luhamunda	Dug Well
KANIHA	21°6'33" N	84°59'19" E	Balipeta	Dug Well
KANIHA	21°5'25" N	84°57'9" E	Sana Santrabandha	Dug Well
KANIHA	21°11'55" N	84°58'56" E	Nialu	Dug Well
KANIHA	21°8'22" N	85°10'4" E	Pabitrnagar pz	Bore Well
KANIHA	21°1'3" N	85°10'28" E	Goribandha	Bore Well
KANIHA	21°10'32" N	85°9'23" E	Seepur	Bore Well
KANIHA	21°4'20" N	85°8'30" E	Samal	Dug Well

GENERAL DETAILS OF NHS WELLS IN ODISHA				
ANUGUL				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
KANIHA	21°10'0" N	85°9'25" E	Sipur	Dug Well
KISHORENAGAR	20°57'13" N	84°41'14" E	Handpa 1	Dug Well
KISHORENAGAR	21°0'42" N	84°29'10" E	Bamur	Dug Well
KISHORENAGAR	20°58'8" N	84°39'3" E	Boinda-li	Bore Well
KISHORENAGAR	20°52'48" N	85°10'4" E	Handpa-li	Bore Well
PALALAHADA	21°30'2" N	85°15'26" E	Jamardihi	Dug Well I
PALALAHADA	21°23'40" N	85°9'4" E	Srirampur	Dug Well
PALALAHADA	21°15'58" N	85°11'48" E	Khamar-1	Dug Well I
PALALAHADA	21°15'58" N	85°12'4" E	Khamar-li	Bore Well
PALALAHADA	21°25'45" N	85°11'33" E	Pallahara1	Dug Well
PALALAHADA	21°25'54" N	85°11'45" E	Pallahara	Bore Well
TALACHER	20°55'40" N	85°9'34" E	South Balanda	Dug Well
TALACHER	20°57'12" N	85°13'19" E	Chauliakata	Dug Well
TALACHER	20°56'7" N	85°11'20" E	Ghantapada	Dug Well
TALACHER	20°57'29" N	85°0'36" E	Bhalugadia	Dug Well
TALACHER	20°53'12" N	85°13'9" E	Chainpal	Bore Well
TALACHER	20°55'39" N	85°9'28" E	Balanda	Dug Well
TALACHER	21°1'10" N	85°10'10" E	Godibandha	Dug Well
TALACHER	20°58'35" N	85°1'35" E	Kumunda 1	Dug Well
TALACHER	20°55'32" N	85°14'0" E	Sendhogram	Dug Well
TALACHER	20°56'55" N	85°12'52" E	Talcher1	Dug Well
TALACHER	20°55'10" N	85°10'23" E	Tentulai	Dug Well

BALANGIR				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
AGALPUR	21°0'44" N	83°24'25" E	Agalpur 1	Dug Well
AGALPUR	20°58'48" N	83°29'28" E	Duduka	Dug Well
AGALPUR	21°1'44" N	83°26'43" E	Uchchabahal	Dug Well
AGALPUR	20°58'15" N	83°32'27" E	Salebhata	Dug Well
BALANGIR	20°58'11" N	83°34'52" E	Harbhanga	Dug Well
BALANGIR	20°43'18" N	83°18'37" E	Dulusara	Dug Well
BALANGIR	20°40'47" N	83°31'15" E	Pudapalli	Dug Well
BALANGIR	20°44'13" N	83°24'10" E	Dudukasira	Dug Well
BALANGIR	20°40'2" N	83°27'16" E	Bijakhman1	Dug Well
BALANGIR	20°41'52" N	83°28'48" E	Bolangir-ii	Dug Well
BALANGIR	20°42'50" N	83°26'27" E	Dhumamara	Dug Well
BALANGIR	20°37'33" N	83°24'7" E	Sikachhida 1	Dug Well
BALANGIR	20°37'9" N	83°25'35" E	Sinkhman	Dug Well
BALANGIR	20°44'28" N	83°29'44" E	Madhiapali	Dug Well
BALANGIR	20°43'51" N	83°21'50" E	Hardatal	Dug Well

BALANGIR				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
BALANGIR	20°43'0" N	83°17'0" E	Chudapali	Dug Well
BALANGIR	20°43'55" N	83°23'22" E	Jhankar Pali	Dug Well
BALANGIR	20°44'4" N	83°34'45" E	Padampur	Dug Well
BALANGIR	20°49'15" N	83°29'56" E	Fasad	Dug Well
BANGOMUNDA	20°20'13" N	82°51'49" E	Jorpada	Dug Well
BANGOMUNDA	20°13'52" N	82°56'29" E	Sindhikela (new)	Dug Well
BANGOMUNDA	20°13'30" N	82°57'22" E	Sindhikela1	Dug Well
BANGOMUNDA	20°18'1" N	82°55'30" E	Titisilet	Dug Well
BANGOMUNDA	20°26'8" N	82°54'47" E	Nekpada	Dug Well
BELPARA	20°32'55" N	83°4'37" E	Dumabata	Dug Well
BELPARA	20°32'9" N	83°6'32" E	Fattamunda	Dug Well
BELPARA	20°35'22" N	82°58'18" E	Belpara	Dug Well
BELPARA	20°35'1" N	82°57'17" E	Nunhad	Dug Well
BELPARA	20°44'47" N	82°56'41" E	Baijal Sagar	Dug Well
BELPARA	20°37'30" N	82°45'55" E	Lathor	Dug Well
BELPARA	20°15'8" N	83°13'40" E	Kapani	Dug Well
DEOGAON	20°35'3" N	83°13'12" E	Balukunda	Dug Well
DEOGAON	20°32'42" N	83°25'0" E	Kacherpalli (Deogaon)	Dug Well
DEOGAON	20°33'30" N	83°25'19" E	Sagarpali	Dug Well
DEOGAON	20°32'8" N	83°24'40" E	Deogan OW	Bore Well
KHAPRAKHOL	20°42'38" N	82°49'4" E	Phulkimunda	Dug Well
KHAPRAKHOL	20°50'55" N	82°51'55" E	Harisankar	Dug Well
LOISINGA	20°50'57" N	83°30'41" E	Loisinga	Dug Well
LOISINGA	20°52'29" N	83°30'51" E	Burda	Dug Well
LOISINGA	20°45'57" N	83°20'41" E	Banjipali	Dug Well
LOISINGA	20°52'42" N	83°33'10" E	Jogisarda	Dug Well
MURIBAHAL	20°28'20" N	83°5'37" E	Bandupalla	Dug Well
MURIBAHAL	20°20'50" N	82°56'31" E	Jamut	Dug Well
MURIBAHAL	20°23'5" N	83°0'45" E	Muribahal	Dug Well
MURIBAHAL	20°20'33" N	83°2'42" E	Haldia	Dug Well
MURIBAHAL	20°20'26" N	82°54'35" E	Bongamunda	Dug Well
PATNAGARH	20°42'58" N	83°13'20" E	Sarmohan-I	Dug Well
PATNAGARH	20°42'33" N	83°5'7" E	Banjari	Dug Well
PATNAGARH	20°41'54" N	83°7'27" E	Patnagarh-li	Dug Well
PATNAGARH	20°43'48" N	83°0'45" E	Jogimunda	Dug Well
PATNAGARH	20°42'24" N	83°9'3" E	Ampali (Rampur Ampali)	Dug Well
PATNAGARH	20°43'17" N	82°56'36" E	Ghambari	Dug Well
PUINTALA	20°43'45" N	83°33'48" E	Randa	Dug Well
PUINTALA	20°40'4" N	83°31'30" E	Atgan	Dug Well
PUINTALA	20°44'28" N	83°40'11" E	Bairasar	Dug Well
PUINTALA	20°47'10" N	83°29'57" E	Chhatamakna	Dug Well
PUINTALA	20°43'25" N	83°31'35" E	Gaintala	Dug Well
PUINTALA	20°44'42" N	83°37'25" E	Dumberbahal	Dug Well

BALANGIR				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
PUINTALA	20°40'4" N	83°31'31" E	Kurul	Dug Well
PUINTALA	20°47'9" N	83°30'8" E	Ledarbohal	Dug Well
SAINTALA	20°21'8" N	83°18'36" E	Piprut	Dug Well
SAINTALA	20°27'3" N	83°21'51" E	Dumalpada	Dug Well
SAINTALA	20°26'36" N	83°21'33" E	Saintala 1	Dug Well
SAINTALA	20°24'0" N	83°19'51" E	Bhadra	Dug Well
SAINTALA	20°18'50" N	83°19'0" E	Belgaon	Dug Well
SAINTALA	20°30'11" N	83°7'57" E	Tikrapada 1	Dug Well
TENTULIKHUNTI	20°29'26" N	83°28'33" E	Tusura	Dug Well
TITLAGARH	20°17'11" N	83°16'13" E	Tarasingi	Dug Well
TITLAGARH	20°16'27" N	83°14'33" E	Rigdol	Dug Well
TITLAGARH	20°18'17" N	83°17'30" E	Chormara	Dug Well
TITLAGARH	20°14'51" N	83°6'24" E	Minapali	Dug Well
TITLAGARH	20°12'42" N	83°0'42" E	Ichagaon	Dug Well
TITLAGARH	20°26'8" N	82°54'47" E	Jagua	Dug Well
TITLAGARH	20°13'57" N	83°4'39" E	Kholan	Dug Well
TITLAGARH	20°17'13" N	83°8'47" E	Titlagarh I	Dug Well
TUREKELA	20°25'37" N	82°54'33" E	DhamanaDonga	Dug Well
TUREKELA	20°28'45" N	82°55'40" E	Kantabanji	Dug Well
TUREKELA	20°31'24" N	82°55'38" E	Salandi	Dug Well
TUREKELA	20°29'30" N	82°55'12" E	Kurli	Dug Well
TUREKELA	20°30'10" N	82°48'27" E	Tureikela	Dug Well

BALESHWAR				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
BAHANAGA	21°23'38" N	86°46'43" E	Valuka (Kasabadeipur GP)	Dug Well
BALESHWAR	21°28'45" N	86°57'3" E	Sunhat 2	Dug Well
BALESHWAR	21°30'18" N	86°54'29" E	Nuasahi Balasore	Dug Well
BALESHWAR	21°32'26" N	86°55'41" E	Kantabania (Dahapada)	Dug Well
BALESHWAR	21°23'23" N	86°56'1" E	Bardhanpur OW	Bore Well
BALESHWAR	21°37'42" N	87°1'2" E	Haldipada-II	Tube Well
BALIAPAL	21°39'8" N	87°16'36" E	Bada Simulia	Dug Well
BALIAPAL	21°40'13" N	87°17'12" E	Jamsuli	Dug Well
BALIAPAL	21°40'10" N	87°14'4" E	Srirampur	Dug Well
BALIAPAL	21°34'25" N	87°11'50" E	Panchupali OW	Bore Well
BASTA	21°41'53" N	87°3'57" E	Basta 1	Dug Well
BASTA	21°41'54" N	87°3'16" E	Mohala (Bidyadharpur)	Dug Well
BASTA	21°40'20" N	87°10'17" E	Jamsuli 1	Dug Well
JALESWAR	21°54'36" N	87°11'52" E	Raibania 1	Dug Well
JALESWAR	21°53'48" N	87°11'37" E	Darkoli (Hatigarh)	Dug Well

BALESHWAR				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
JALESWAR	21°52'30" N	87°10'49" E	Tentula OW	Bore Well
JALESWAR	21°48'18" N	87°13'48" E	Dhanasimulia-II	Tube Well
JALESWAR	21°52'35" N	87°8'4" E	Jualibhanga	Dug Well
JALESWAR	21°52'14" N	87°7'45" E	Bakhdipada Bhola	Dug Well
KHAIRA	21°16'18" N	86°25'0" E	Kupari 1	Dug Well
KHAIRA	21°16'14" N	86°25'15" E	Jaragadia Mahadev Sahi	Dug Well
KHAIRA	21°17'53" N	86°26'57" E	Khaira	Dug Well
NILAGIRI	21°33'45" N	86°42'9" E	Matiali	Dug Well
NILAGIRI	21°27'43" N	86°45'39" E	Nilgiri 1	Dug Well
NILAGIRI	21°34'47" N	86°45'1" E	Kansa 1	Dug Well
NILAGIRI	21°31'18" N	86°43'56" E	Jodibali	Dug Well
NILAGIRI	21°33'30" N	86°45'23" E	Ayodhya	Dug Well
NILAGIRI	21°28'28" N	86°44'21" E	Podasul 1	Dug Well
NILAGIRI	21°29'34" N	86°37'35" E	Bhagabondh	Dug Well
NILAGIRI	21°29'30" N	86°42'0" E	Bhalukasuni 1	Dug Well
NILAGIRI	21°27'32" N	86°43'47" E	Baband	Dug Well
NILAGIRI	21°29'58" N	86°40'38" E	Kunchibenia	Dug Well
NILAGIRI	21°27'56" N	86°44'6" E	Siadimal	Dug Well
NILAGIRI	21°29'55" N	86°35'40" E	Darkholi	Dug Well
NILAGIRI	21°32'43" N	86°47'50" E	Mitrapur	Dug Well
OUPADA	21°21'25" N	86°29'32" E	Gaudasahi	Dug Well
OUPADA	21°27'54" N	86°42'19" E	Tenda	Dug Well
OUPADA	21°24'24" N	86°44'40" E	Jamadeipur (Panchalingaswar)	Dug Well
OUPADA	21°28'1" N	86°43'28" E	Bankisial	Dug Well
OUPADA	21°24'10" N	86°44'28" E	Kantia Tikar (Panchalingaswar)	Dug Well
REMUNA	21°31'24" N	86°52'12" E	Remuna	Dug Well
REMUNA	21°32'55" N	86°55'45" E	Govindpur	Dug Well
REMUNA	21°21'11" N	86°52'19" E	Shrijang	Dug Well
REMUNA	21°22'51" N	86°52'17" E	Kuligaon	Dug Well
SIMILIA	21°8'7" N	86°35'10" E	Teliapada	Dug Well
SORO	21°20'15" N	86°39'34" E	Baghudi 1	Dug Well
SORO	21°16'55" N	86°32'29" E	Jamapada	Dug Well

BARGARH				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
AMBABHONA	21°38'31" N	83°36'38" E	Lakhanpur	Dug Well
AMBABHONA	21°35'5" N	83°24'55" E	Bhukta	Dug Well
AMBABHONA	21°41'12" N	83°33'55" E	Dungri	Dug Well
AMBABHONA	21°36'50" N	83°29'21" E	Bugbugi	Dug Well
AMBABHONA	21°36'11" N	83°34'29" E	Karla	Dug Well

BARGARH				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
AMBABHONA	21°40'30" N	83°36'37" E	Uttam	Dug Well
ATTABIRA	21°21'57" N	83°43'0" E	Shukutapali	Dug Well I
ATTABIRA	21°18'25" N	83°45'55" E	Patrapalli	Dug Well I
ATTABIRA	21°22'15" N	83°47'0" E	Attabira1	Dug Well
ATTABIRA	21°18'46" N	83°50'51" E	Kodabahal 2	Dug Well II
ATTABIRA	21°23'45" N	83°42'18" E	Lastala	Dug Well
ATTABIRA	21°21'56" N	83°42'59" E	Shukutapali 1	Dug Well
ATTABIRA	21°22'50" N	83°46'50" E	Gorbhaga	Dug Well
ATTABIRA	21°23'9" N	83°47'13" E	Top	Dug Well
ATTABIRA	21°24'0" N	83°49'30" E	Chaklifarm	Dug Well
ATTABIRA	21°20'45" N	83°47'2" E	Kulunda	Dug Well
ATTABIRA	21°21'5" N	83°50'2" E	Larambha	Dug Well
ATTABIRA	21°23'16" N	83°51'11" E	Kumelsingha	Dug Well II
ATTABIRA	21°25'15" N	83°49'0" E	Godbhaga	Bore Well
BARAPALI	21°12'3" N	83°37'4" E	Remada	Dug Well
BARAPALI	21°10'21" N	83°34'52" E	Barpalli 1	Dug Well I
BARAPALI	21°7'52" N	83°33'52" E	Mahada 1	Dug Well
BARAPALI	21°15'2" N	83°34'4" E	Kusanpur	Dug Well
BARAPALI	21°13'20" N	83°35'40" E	Lenda	Dug Well
BARAPALI	21°14'10" N	83°29'36" E	Sarandapali	Dug Well II
BARAPALI	21°13'10" N	83°38'5" E	Puturipali	Dug Well
BARGARH	21°17'30" N	83°44'23" E	Kuruan	Dug Well
BARGARH	21°21'26" N	83°42'31" E	Kalapani	Dug Well
BARGARH	21°23'56" N	83°39'20" E	Sarala	Dug Well
BARGARH	21°18'28" N	83°35'42" E	Rengalpali	Dug Well
BARGARH	21°17'7" N	83°36'55" E	Khuntapali	Dug Well
BARGARH	21°22'20" N	83°39'45" E	Jamurda	Dug Well
BARGARH	21°20'14" N	83°37'13" E	Tora	Dug Well
BARGARH	21°21'29" N	83°36'2" E	Dang	Dug Well
BARGARH	21°20'33" N	83°36'51" E	Bargarh	Dug Well
BHATLI	21°27'23" N	83°29'2" E	Purrakhai	Dug Well
BHATLI	21°28'2" N	83°32'5" E	Bhatli 1	Dug Well
BHATLI	21°35'6" N	83°25'14" E	Katapali	Dug Well
BHATLI	21°26'55" N	83°25'8" E	Sulsulia	Dug Well
BHATLI	21°30'25" N	83°30'0" E	Dumalpali	Dug Well
BHATLI	21°24'31" N	83°35'4" E	Sunajuri-Tukuria	Dug Well
BHATLI	21°24'46" N	83°33'32" E	Chadheigaon	Dug Well
BHATLI	21°25'6" N	83°34'19" E	Tukurla	Bore Well
BHEDEN	21°8'10" N	83°41'1" E	Resham	Dug Well
BHEDEN	21°16'0" N	83°47'28" E	Thuapali1	Dug Well
BHEDEN	21°11'46" N	83°45'3" E	Bheden 1	Dug Well
BHEDEN	21°9'35" N	83°37'35" E	Sikirdi	Dug Well
BHEDEN	21°6'35" N	83°50'30" E	Gondtarum	Dug Well
BHEDEN	21°12'5" N	83°52'55" E	Boipur	Dug Well

BARGARH				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
BHEDEN	21°15'32" N	83°52'12" E	Khutlipalli	Dug Well
BHEDEN	21°16'0" N	83°45'45" E	Remenda	Dug Well
BHEDEN	21°10'28" N	83°46'54" E	Baghapalli	Dug Well
BHEDEN	21°9'59" N	83°50'44" E	Rusuda 1	Dug Well
BHEDEN	21°8'35" N	83°37'22" E	Satlama 1	Dug Well
BHEDEN	21°14'30" N	83°45'45" E	Burda	Dug Well
BHEDEN	21°12'25" N	83°38'52" E	Kumbhari	Dug Well
BHEDEN	21°12'34" N	83°47'36" E	Chichinda	Dug Well
BIJEPUR	21°8'7" N	83°29'23" E	Kharmunda 1	Dug Well
BIJEPUR	21°11'23" N	83°27'7" E	Bijepur	Dug Well
BIJEPUR	21°9'34" N	83°28'9" E	Burdapali	Dug Well
GAISILET	20°53'35" N	83°21'5" E	Jagalpet	Dug Well
GAISILET	20°57'44" N	83°18'54" E	Gaisilet3	Dug Well
GAISILET	20°56'33" N	83°21'10" E	Dangabahal 1	Dug Well
GAISILET	20°55'28" N	83°22'19" E	Kansdhol 1	Dug Well
GAISILET	20°56'33" N	83°12'9" E	Kantabahal	Dug Well
PAIKMAL	20°57'50" N	82°49'8" E	Hirapur	Dug Well
PAIKMAL	20°57'7" N	82°53'12" E	Majhipali	Dug Well
PAIKMAL	20°54'21" N	82°47'36" E	Mithapali	Dug Well
PAIKMAL	20°53'56" N	82°49'21" E	Nrasingnath	Dug Well
PAIKMAL	20°57'15" N	82°56'2" E	Malada	Dug Well
PAIKMAL	20°49'37" N	82°43'24" E	Jamset	Dug Well
PAIKMAL	20°51'47" N	82°45'40" E	Purena	Dug Well
RAJBORASAMBAR	20°59'57" N	83°4'16" E	Padampur2	Dug Well
SOHELA	21°11'23" N	83°17'7" E	Ghens 1	Dug Well
SOHELA	21°8'39" N	83°15'28" E	Batetarma	Dug Well
SOHELA	21°20'12" N	83°22'27" E	Grinjal	Dug Well

BAUDH				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
BAUDH SADAR	20°48'18" N	84°13'28" E	Kamira	Dug Well
BAUDH SADAR	20°41'45" N	84°8'19" E	Khajuripada	Dug Well
BAUDH SADAR	20°43'54" N	84°13'51" E	Baghiapada	Dug Well
BAUDH SADAR	20°44'40" N	84°4'40" E	Usbelika	Dug Well
BAUDH SADAR	20°49'51" N	84°0'23" E	Dahya	Dug Well
BAUDH SADAR	20°51'20" N	84°16'14" E	Bala Singha	Dug Well
BAUDH SADAR	20°49'16" N	83°58'56" E	Nuapali	Dug Well
BAUDH SADAR	20°51'39" N	84°14'20" E	Polam 2	Dug Well
BAUDH SADAR	20°45'45" N	84°13'50" E	Erada	Dug Well
BAUDH SADAR	20°51'17" N	84°12'24" E	Jahanapank	Dug Well
BAUDH SADAR	20°49'43" N	83°55'46" E	Manamunda	Dug Well
BAUDH SADAR	20°48'24" N	84°5'45" E	Anlapali	Dug Well

BAUDH				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
BAUDH SADAR	20°51'4" N	84°11'39" E	Telibandha	Dug Well
BAUDH SADAR	20°49'2" N	84°0'37" E	Maheswar Pinda	Dug Well
BAUDH SADAR	20°46'35" N	84°16'56" E	Badhigaon	Dug Well
BAUDH SADAR	20°42'8" N	84°10'11" E	Gaundisahi	Dug Well
BAUDH SADAR	20°49'45" N	84°9'57" E	Sangrampur 1	Dug Well
BAUDH SADAR	20°48'25" N	84°7'44" E	Singari chhak	Dug Well
BAUDH SADAR	20°45'26" N	84°4'13" E	Lumurjena	Dug Well
BAUDH SADAR	20°42'9" N	84°4'23" E	Gundulia	Dug Well
BAUDH SADAR	20°49'45" N	84°18'33" E	Butupalli	Dug Well
BAUDH SADAR	20°48'15" N	84°3'24" E	Baunsuni 2	Dug Well
HARBHANGA	20°48'10" N	84°18'31" E	Sarsara	Dug Well
HARBHANGA	20°41'22" N	84°22'43" E	Rambhikata	Dug Well
HARBHANGA	20°35'55" N	84°34'35" E	Sarta-Guda	Dug Well
HARBHANGA	20°40'47" N	84°26'32" E	Tilesar 1	Dug Well
HARBHANGA	20°25'49" N	84°32'2" E	Baring	Dug Well
HARBHANGA	20°44'58" N	84°19'38" E	Radha Nagar	Dug Well
HARBHANGA	20°50'15" N	84°19'30" E	Boudh	Dug Well
HARBHANGA	20°35'31" N	84°30'10" E	Laxmanpur	Dug Well
HARBHANGA	20°39'42" N	84°23'28" E	Lunibahal	Dug Well
HARBHANGA	20°29'8" N	84°28'8" E	Adenagarh	Dug Well
HARBHANGA	20°35'18" N	84°39'26" E	Kusang	Dug Well
HARBHANGA	20°37'32" N	84°25'38" E	Purnakatak1	Dug Well
HARBHANGA	20°35'18" N	84°39'19" E	Kusanga	Dug Well
HARBHANGA	20°40'33" N	84°23'34" E	Harekrishnapur	Dug Well
HARBHANGA	20°38'18" N	84°25'50" E	Udaipur	Dug Well
HARBHANGA	20°32'39" N	84°25'31" E	Karoda Kutha	Dug Well
HARBHANGA	20°37'20" N	84°36'18" E	Harbhanga	Dug Well
HARBHANGA	20°35'53" N	84°29'20" E	Tukulunda 1	Dug Well
HARBHANGA	20°42'5" N	84°29'10" E	Dholpur	Dug Well
HARBHANGA	20°39'53" N	84°34'9" E	Bruhaspatipur	Dug Well
HARBHANGA	20°35'0" N	84°25'25" E	Charichak	Dug Well
HARBHANGA	20°45'50" N	84°19'0" E	Landibandh	Dug Well
HARBHANGA	20°34'2" N	84°27'28" E	Nuapada 1(Tikira sahi)	Dug Well
KANTAMAL	20°45'35" N	83°50'13" E	Khatkhatia	Dug Well
KANTAMAL	20°47'5" N	83°53'10" E	Gohipita	Dug Well
KANTAMAL	20°40'3" N	83°45'24" E	Auinla Chua Chhak	Dug Well
KANTAMAL	20°38'32" N	83°44'28" E	Kantamal	Dug Well
KANTAMAL	20°43'38" N	83°48'26" E	Palasaguda1	Dug Well
KANTAMAL	20°32'24" N	83°40'26" E	Ghantapada-I	Dug Well
KANTAMAL	20°47'10" N	83°55'42" E	Gudveli Padar	Dug Well

BHADRAK				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
BANT	21°4'8" N	86°27'46" E	Randia	Dug Well
BANT	21°1'28" N	86°23'28" E	Kenduapada (Amper)	Dug Well
BANT	21°12'32" N	86°23'40" E	Agarpara	Dug Well
BASUDEBPUR	21°7'15" N	86°44'20" E	Bagdavinayakpur	Dug Well
BASUDEBPUR	21°3'27" N	86°38'45" E	Basudevpur-II	Tube Well
BASUDEBPUR	21°3'27" N	86°38'45" E	Basudevpur-I	Tube Well
BHADRAK	21°1'47" N	86°31'21" E	Durgapur	Dug Well
BHADRAK	21°2'18" N	86°34'5" E	Tihidi	Dug Well
BHADRAK	21°5'31" N	86°31'33" E	Charampa	Dug Well
BHADRAK	21°8'6" N	86°31'51" E	Rambhila	Dug Well
BHADRAK	21°1'35" N	86°32'40" E	Bentola	Dug Well
BHADRAK	21°9'8" N	86°26'22" E	Sunchar (Kusun Nagar)	Dug Well
BHADRAK	21°8'6" N	86°31'4" E	Ada Sasan	Dug Well
BHANDARIPOKHARI	20°56'17" N	86°18'49" E	Benipur	Dug Well
BHANDARIPOKHARI	20°56'17" N	86°17'40" E	Jasotikiri	Dug Well
BHANDARIPOKHARI	21°1'44" N	86°19'12" E	Manjuri Road	Dug Well
BHANDARIPOKHARI	20°58'15" N	86°22'52" E	Sunahara	Dug Well
CHANDABALI	20°46'21" N	86°43'6" E	Bada Bazar	Dug Well
CHANDABALI	20°50'27" N	86°43'19" E	Bala Bhadrapur Sasan	Dug Well
DHAMANAGAR	20°52'9" N	86°34'33" E	Bethaligaon Palla shi	Dug Well
DHAMANAGAR	20°55'19" N	86°31'16" E	Kothar 3	Dug Well
DHAMANAGAR	20°56'32" N	86°25'35" E	Bhagvenpur	Dug Well
DHAMANAGAR	20°54'41" N	86°26'25" E	Dhamnagar 1	Dug Well
TIHIDI	20°58'51" N	86°37'24" E	Bidanpur	Dug Well

CUTTACK				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
ATHAGAD	20°27'10" N	85°42'28" E	Megha	Dug Well
ATHAGAD	20°30'32" N	85°37'1" E	Athagarh-1	Dug Well
ATHAGAD	20°30'33" N	85°38'17" E	Radha Gobindapur	Dug Well
ATHAGAD	20°29'38" N	85°40'37" E	Rajnagar	Dug Well
ATHAGAD	20°34'7" N	85°43'50" E	Khuntuni	Dug Well
ATHAGAD	20°32'37" N	85°48'4" E	Oranda	Dug Well
ATHAGAD	20°31'41" N	85°44'9" E	ghanthikhal	Bore Well
BADAMBA	20°26'40" N	85°26'15" E	Abhimanpur	Dug Well
BADAMBA	20°22'30" N	85°20'10" E	Sankhmiri	Dug Well
BADAMBA	20°25'3" N	85°20'45" E	Baramba	Dug Well
BADAMBA	20°24'10" N	85°17'45" E	Gopapur	Dug Well
BADAMBA	20°22'45" N	85°17'5" E	Karadibandh	Dug Well
BARANGA	20°24'26" N	85°50'5" E	Baranga	Dug Well
BARANGA	20°24'43" N	85°49'33" E	Baranga 1	Dug Well
CUTTACKSADAR	20°23'23" N	85°53'5" E	Nuagarh	Dug Well
CUTTACKSADAR	20°27'23" N	85°53'5" E	C-33 Lakshmi Mandap (Badambari)	Dug Well

CUTTACK				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
CUTTACKSADAR	20°31'3" N	85°55'12" E	Chowdwar	Dug We ll
CUTTACKSADAR	20°27'17" N	85°54'38" E	C-19 Chauliaga nj	Dug Well
CUTTACKSADAR	20°28'33" N	85°53'44" E	C-09 Bose Camp us	Dug Well
CUTTACKSADAR	20°26'39" N	85°53'32" E	C-03 Khannagar	Dug Well
CUTTACKSADAR	20°27'58" N	85°52'31" E	C-12 Nimasahi (Haripur)	Dug Well
CUTTACKSADAR	20°29'9" N	85°52'5" E	C-07 Sekhbazar	D ug Well
CUTTACKSADAR	20°25'52" N	85°53'5" E	Gopalpur2	Dug W ell
CUTTACKSADAR	20°26'38" N	85°54'4" E	C-29 Khapurja B azar	Dug Well
CUTTACKSADAR	20°28'8" N	85°54'25" E	C-10 Sikharpur	Dug Well
CUTTACKSADAR	20°23'18" N	85°53'47" E	Nachhipur	Dug Well
CUTTACKSADAR	20°29'54" N	85°54'28" E	C-17 Fakirpur	Dug Well
CUTTACKSADAR	20°24'0" N	86°0'51" E	Kandarpur	Dug We ll
CUTTACKSADAR	20°23'13" N	85°53'17" E	Telengapenth	D ug Well
CUTTACKSADAR	20°34'36" N	85°46'10" E	C-31 Pithapur	Dug Well
CUTTACKSADAR	20°29'52" N	85°55'22" E	C-26 Jagatpur- 2	Dug Well
CUTTACKSADAR	20°27'38" N	85°54'0" E	C-23 Railway Co lony (OMP Sqr)	Dug Well
CUTTACKSADAR	20°28'10" N	85°54'38" E	C-20 Nadikula sahi (Sikharpur)	Dug Well
CUTTACKSADAR	20°26'22" N	85°54'11" E	C-32Khapuria	D ug Well
CUTTACKSADAR	20°28'15" N	85°51'30" E	C-13 Mahammadi a Bazar	Dug Well
CUTTACKSADAR	20°26'38" N	85°54'32" E	C-30 Khapurja (Nuapada)	Dug Well
CUTTACKSADAR	20°29'43" N	85°55'24" E	C-18 Jagatpur	Dug Well
CUTTACKSADAR	20°28'34" N	85°52'33" E	C-16 Bauxi Baz ar	Dug Well
CUTTACKSADAR	20°29'27" N	85°50'20" E	C-06 Bidanasi	Dug Well
CUTTACKSADAR	20°30'23" N	85°54'48" E	Jagatpur-i	Dug Well
CUTTACKSADAR	20°25'52" N	85°52'31" E	C-25 Balikuda- 2	Dug Well
CUTTACKSADAR	20°31'31" N	85°56'27" E	C-27 Manguli C hhak	Dug Well
CUTTACKSADAR	20°30'39" N	85°55'57" E	C-28 Jagatpur- 3 (Nuasahi)	Dug Well
CUTTACKSADAR	20°28'38" N	85°51'44" E	C-14 Chandi Ma ndir	Dug Well
CUTTACKSADAR	20°33'28" N	85°59'22" E	Tangi1	Dug Wel l
CUTTACKSADAR	20°26'19" N	85°52'15" E	C-34 Chakuli	D ug Well
CUTTACKSADAR	20°26'26" N	85°53'48" E	C-35 Netaji Na gar	Dug Well
DAMPARA	20°22'38" N	85°31'39" E	Banki2	Dug Well
DAMPARA	20°22'36" N	85°32'0" E	Banki1	Dug Well
KANTAPADA	20°17'0" N	85°57'0" E	Brahmanajharilo	Dug Well
KANTAPADA	20°14'48" N	86°1'30" E	Dimiri 1	Dug Well
KANTAPADA	20°15'2" N	85°58'58" E	Kantapara1	Dug Wel l
MAHANGA	20°32'53" N	86°10'37" E	Dharma Shyamsundarpur	Dug Well
MAHANGA	20°34'0" N	86°10'46" E	Bhanraj	Dug Well
NARASINGHPUR	20°24'38" N	85°13'10" E	Balijhari 1	Du g Well
NARASINGHPUR	20°31'45" N	84°58'0" E	Saradapur	Dug W ell

CUTTACK				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
NARASINGHPUR	20°27'25" N	85°4'45" E	Narsingpur	Dug Well
NARASINGHPUR	20°24'20" N	85°11'0" E	Kanapur	Dug Well
NIALI	20°5'58" N	86°5'20" E	Tola Gopinathpur	Dug Well
NIALI	20°12'40" N	86°6'48" E	Pari Amarpada	Dug Well
NIALI	20°6'29" N	86°4'57" E	Belasahi	Dug Well
NIALI	20°12'43" N	86°4'24" E	Kasarda	Dug Well
NIALI	20°4'45" N	86°6'10" E	Madhab	Dug Well
NIALI	20°7'53" N	86°3'52" E	Niali EW	Bore Well
NIALI	20°7'51" N	86°3'52" E	Niali	Dug Well
NISCHINTA KOILI	20°28'43" N	86°10'24" E	Nischintako ili (new)	Dug Well
NISCHINTA KOILI	20°26'8" N	86°15'41" E	Orati	Dug Well
NISCHINTA KOILI	20°28'38" N	86°8'5" E	Kulia Market	Dug Well
SALEPUR	20°28'58" N	86°5'3" E	Sisua	Dug Well
SALEPUR	20°28'21" N	86°13'16" E	Sankilo	Dug Well
SALEPUR	20°29'52" N	85°58'24" E	Anantapur	Dug Well
TANGI CHOUDWAR	20°31'3" N	85°54'59" E	Choudwar	Dug Well
TANGI CHOUDWAR	20°29'45" N	85°54'52" E	Nimpur	Dug Well
TANGI CHOUDWAR	20°33'45" N	85°53'6" E	Gopalpur	Bore Well
TIGIRIA	20°27'54" N	85°31'15" E	Tigiria	Dug Well

DEBAGARH				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
BARKOT	21°29'9" N	84°57'6" E	Kalkat	Dug Well
BARKOT	21°32'30" N	84°59'54" E	Barkot-iii	Dug Well
REAMAL	21°18'26" N	84°38'15" E	Purumunda	Dug Well
REAMAL	21°16'26" N	84°34'47" E	Tarang	Dug Well
REAMAL	21°20'33" N	84°40'8" E	Telimunda	Dug Well
REAMAL	21°21'52" N	84°39'37" E	Riamal 1	Dug Well
TILEIBANI	21°32'45" N	84°36'8" E	Tileibani	Dug Well
TILEIBANI	21°32'12" N	84°44'36" E	Deogarh	Dug Well
TILEIBANI	21°31'32" N	84°48'9" E	Kalamati	Dug Well
TILEIBANI	21°26'43" N	84°41'0" E	Rengalbeda	Dug Well

DHENKANAL				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
BHUBAN	20°53'4" N	85°50'3" E	Bhuban	Dug Well
BHUBAN	20°53'3" N	85°50'12" E	Bhuban-li	Bore Well
BHUBAN	20°54'1" N	85°41'11" E	Mathakaragola	Dug Well
BHUBAN	20°54'55" N	85°47'55" E	Samole	Dug Well
BHUBAN	20°55'15" N	85°46'0" E	Goda	Dug Well
GANDIA	20°41'48" N	85°44'54" E	Deogaon	Dug Well
GANDIA	20°46'45" N	85°43'30" E	Joranda	Dug Well
GANDIA	20°45'50" N	85°48'6" E	Gondia1	Dug Well

DHENKANAL				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
GANDIA	20°50'40" N	85°51'26" E	Mandar	Dug Well
GANDIA	20°48'30" N	85°50'18" E	Sading	Dug Well
HINDOL	20°36'28" N	85°11'48" E	Hindol1	Dug Well
HINDOL	20°43'14" N	85°25'47" E	Babandh	Dug Well
HINDOL	20°42'56" N	85°20'16" E	Karanda	Dug Well
HINDOL	20°37'55" N	85°19'2" E	Rasol	Dug Well
HINDOL	20°42'22" N	85°19'33" E	Balmi	Dug Well
KAMAKSHAYA NAGAR	20°53'41" N	85°32'26" E	Mahulpal	Dug Well
KAMAKSHAYA NAGAR	20°54'35" N	85°50'12" E	Badasuanlo-Hatwari	Bore Wel l
KAMAKSHAYA NAGAR	20°55'45" N	85°32'40" E	Kamakyanagar-li	Bore Well
KAMAKSHAYA NAGAR	20°54'50" N	85°35'36" E	Baisingha-li	Bore Well
KAMAKSHAYA NAGAR	20°55'53" N	85°32'57" E	Kamakyanagar	Dug Well
KAMAKSHAYA NAGAR	20°54'35" N	85°38'0" E	Hatwari	Dug Well
KAMAKSHAYA NAGAR	20°54'50" N	85°35'35" E	Baisingha	Dug Well
KAMAKSHAYA NAGAR	20°48'39" N	85°32'25" E	Alnaberini 1	Dug Well
KANKADA HAD	20°59'45" N	85°35'15" E	Batgaon	Dug Wel l
KANKADA HAD	21°4'10" N	85°34'19" E	Kankadahad	Dug W ell
ODAPADA	20°47'52" N	85°18'50" E	Motanga-li	Bore Wel l
ODAPADA	20°45'46" N	85°25'28" E	Hindol Road	Bore We ll
ODAPADA	20°48'5" N	85°18'43" E	Motanga	Dug Well
ODAPADA	20°40'56" N	85°29'48" E	Balrampur	Dug Well
ODAPADA	20°47'40" N	85°21'25" E	Dhaulpur	Dug Well
PARAJANG	20°56'29" N	85°23'31" E	Badajhara	Dug Well
PARAJANG	20°55'18" N	85°19'5" E	Parjang1	Dug Well
PARAJANG	20°56'15" N	85°24'45" E	Muktaposi	Dug Well
PARAJANG	20°56'45" N	85°18'25" E	Singhada	Dug Well
PARAJANG	20°52'0" N	85°19'0" E	Kandarsingha	Dug Wel l
SADAR	20°33'7" N	85°28'33" E	Mahulpunja	Dug Well
SADAR	20°35'52" N	85°39'9" E	Baldiabandh	Dug Well
SADAR	20°40'15" N	85°40'35" E	Kaimati	Dug Well
SADAR	20°36'14" N	85°32'42" E	Shankarpur	Dug Well
SADAR	20°31'58" N	85°29'7" E	Jhumpuria	Dug Well
SADAR	20°39'14" N	85°35'56" E	Dhenkanal	Dug Well
SADAR	20°38'15" N	85°36'59" E	Samacharanapur	Dug We ll
SADAR	20°34'42" N	85°35'48" E	Saptasaja	Dug Well
SADAR	20°33'45" N	85°29'35" E	Bhapur2	Dug Well
SADAR	20°43'3" N	85°33'42" E	Gangutia	Dug Well
SADAR	20°42'42" N	85°41'50" E	Bandhnuagaon	Dug Well

GAJAPATI				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
GUMA	18°50'41" N	84°3'12" E	Parasamba	Dug Well
KASHINAGARA	18°51'22" N	83°52'48" E	Kasinagar	Dug Well
KASHINAGARA	18°48'46" N	83°59'8" E	K Sitapur 1	Dug Well
MOHANA	19°27'34" N	84°21'45" E	Luhaguda	Dug Well
MOHANA	19°24'9" N	84°20'28" E	Suklipadar	Dug Well
MOHANA	19°21'54" N	84°18'2" E	Chandiput 1	Dug Well
MOHANA	19°19'36" N	84°18'10" E	Zubagaon	Dug Well
MOHANA	19°25'43" N	84°17'3" E	Lillygada	Dug Well
MOHANA	19°29'22" N	84°10'56" E	Adaba	Dug Well
MOHANA	19°26'18" N	84°16'6" E	Mohana	Dug Well
MOHANA	19°26'16" N	84°18'41" E	Kirama	Dug Well
MOHANA	19°33'22" N	84°9'36" E	Damadua	Dug Well
MOHANA	19°18'21" N	84°17'11" E	Chandragiri 1	Dug Well
MOHANA	19°26'54" N	84°20'53" E	Madhura-Amba	Dug Well
MOHANA	19°23'12" N	84°18'23" E	Taramala	Dug Well
MOHANA	19°27'35" N	84°13'2" E	Santhi Nagar	Dug Well
MOHANA	19°27'19" N	84°15'55" E	Ladruma	Dug Well
MOHANA	19°28'54" N	84°17'27" E	Bada Khoni	Dug Well
NUAGADA	19°3'55" N	84°5'34" E	Khajuripara	Dug Well
PARLAKHEMUNDI	18°52'25" N	84°11'31" E	Narayanpur	Dug Well
PARLAKHEMUNDI	18°50'26" N	83°55'9" E	Appalanaidupetta	Dug Well
PARLAKHEMUNDI	18°46'15" N	84°6'15" E	Parlakhemundi	Dug Well
PARLAKHEMUNDI	18°49'11" N	84°17'11" E	Lavanyagada	Dug Well
PARLAKHEMUNDI	18°48'38" N	84°8'34" E	Kattalakanita	Dug Well
PARLAKHEMUNDI	18°49'54" N	84°12'36" E	Tattipati	Dug Well
PARLAKHEMUNDI	18°53'15" N	84°9'40" E	Raygarh	Dug Well
PARLAKHEMUNDI	18°48'45" N	84°14'44" E	Gosani	Dug Well
PARLAKHEMUNDI	18°51'29" N	84°11'26" E	Kantragada	Dug Well
PARLAKHEMUNDI	18°48'59" N	84°19'52" E	Lavanya Khotta	Dug Well
PARLAKHEMUNDI	18°49'49" N	84°16'56" E	Garabandh	Dug Well
PARLAKHEMUNDI	18°49'41" N	84°0'12" E	Minigaon	Dug Well
R.UDAYGIRI	19°9'18" N	84°8'45" E	R.udaygiri	Dug Well
RAYAGADA	18°56'28" N	84°14'10" E	Tumbagarh	Dug Well
RAYAGADA	18°52'47" N	84°10'29" E	Sebakpur	Dug Well
RAYAGADA	18°54'48" N	84°9'19" E	Pegoda	Dug Well

GANJAM				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
ASIKA	19°33'45" N	84°41'32" E	Cheramarua	Dug Well
ASIKA	19°43'9" N	84°38'27" E	Khandrabali	Dug Well
ASIKA	19°36'14" N	84°37'20" E	Koitra	Dug Well
ASIKA	19°37'40" N	84°39'20" E	K.nuagan	Dug Well
ASIKA	19°42'32" N	84°42'6" E	Badakholi	Dug Well

GANJAM				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
ASIKA	19°40'46" N	84°41'47" E	Bhetnai	Dug Well
ASIKA	19°37'0" N	84°41'17" E	Nuagaon3	Dug Well
ASIKA	19°36'40" N	84°40'7" E	Aska 1	Dug Well
ASIKA	19°38'17" N	84°36'14" E	Mundamarai	Dug Well
ASIKA	19°37'59" N	84°39'59" E	K Nuagaon	Dug Well
BELLAGUNTHA	19°49'35" N	84°36'0" E	Gobara	Dug Well
BELLAGUNTHA	19°53'16" N	84°34'48" E	Kontaipalli 1	Dug Well
BELLAGUNTHA	19°48'24" N	84°39'50" E	Mangalpur2	Dug Well
BELLAGUNTHA	19°44'8" N	84°42'38" E	Balipadar	Dug Well
BELLAGUNTHA	19°52'54" N	84°38'22" E	Belaguntha1	Dug Well
BELLAGUNTHA	19°47'15" N	84°31'3" E	Lathipada	Dug Well
BELLAGUNTHA	19°51'41" N	84°38'44" E	Ambapua 1	Dug Well
BELLAGUNTHA	19°54'0" N	84°53'20" E	Karachuli	Dug Well
BELLAGUNTHA	19°48'35" N	84°47'25" E	Buguda1	Dug Well
BELLAGUNTHA	19°45'3" N	84°42'16" E	Kalamba	Dug Well
BHANJANAGAR	20°1'0" N	84°31'2" E	Mujhagarh	Dug Well
BHANJANAGAR	20°5'33" N	84°34'30" E	Gallery	Dug Well
BHANJANAGAR	19°56'55" N	84°35'0" E	Bhanjanagar-i	Dug Well
BHANJANAGAR	20°3'42" N	84°29'20" E	Dadralunda	Dug Well
BHANJANAGAR	20°1'8" N	84°37'56" E	Tilisingi	Dug Well
BHANJANAGAR	20°3'0" N	84°36'53" E	Turumu1	Dug Well
BUGUDA	19°48'27" N	84°47'27" E	Baguda 2	Dug Well
CHHATRAPUR	19°22'28" N	84°52'47" E	Tanganapalli 1	Dug Well
CHHATRAPUR	19°22'25" N	85°2'5" E	Ganjam	Dug Well
CHHATRAPUR	19°20'40" N	84°54'7" E	Govindpur1	Dug Well
CHHATRAPUR	19°22'5" N	85°0'10" E	Hummuri	Dug Well
CHHATRAPUR	19°24'24" N	84°57'12" E	Kamappalli	Dug Well
CHHATRAPUR	19°21'18" N	84°58'44" E	Chatrapur1	Dug Well
CHHATRAPUR	19°20'6" N	84°52'10" E	Narendrapur	Dug Well
CHIKITI	19°11'45" N	84°36'52" E	Chikiti	Dug Well
CHIKITI	19°9'46" N	84°36'36" E	Laxmipur1	Dug Well
CHIKITI	19°15'4" N	84°33'24" E	Jakara	Dug Well
CHIKITI	19°10'7" N	84°43'20" E	Surlaroad 1	Dug Well
DHARAKOTE	19°38'19" N	84°25'52" E	Balrampur	Dug Well
DHARAKOTE	19°46'45" N	84°36'27" E	Gangapur 1	Dug Well
DHARAKOTE	19°41'33" N	84°32'42" E	Baradabili	Dug Well
DHARAKOTE	19°38'30" N	84°34'45" E	Dharkote	Dug Well
GANJAM	19°25'56" N	85°2'18" E	Huma	Dug Well
GANJAM	19°29'26" N	84°59'30" E	Poirasi	Dug Well
HINJILICUT	19°29'20" N	84°44'30" E	Hinjlikatu	Dug Well
HINJILICUT	19°25'20" N	84°44'14" E	Badakhandi	Dug Well
HINJILICUT	19°27'15" N	84°44'48" E	Pochilima	Dug Well
HINJILICUT	19°28'34" N	84°44'48" E	Hinjlicut 1	Dug Well
JAGANATHPRASAD	20°2'35" N	84°42'25" E	Chamkahandi	Dug Well

GANJAM				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
JAGANATHPRASAD	20°5'32" N	84°41'16" E	Tarasingi	Dug Well
JAGANATHPRASAD	20°4'26" N	84°36'12" E	Saishamuli 1	Dug Well
JAGANATHPRASAD	19°53'52" N	84°41'2" E	Baragam	Dug Well
JAGANATHPRASAD	19°58'9" N	84°50'48" E	Chadeiapalli Chhak	Dug Well
JAGANATHPRASAD	20°10'27" N	84°45'3" E	Gayagonda 1	Dug Well
JAGANATHPRASAD	19°58'15" N	84°46'40" E	Jagannathprasad	Dug Well
JAGANATHPRASAD	19°55'9" N	84°43'24" E	Jhadabhumi	Dug Well
KAVISURJYANAGAR	19°34'3" N	84°47'2" E	Gudiali	Dug Well
KAVISURJYANAGAR	19°34'59" N	84°40'32" E	K.S.Nagar1	Dug Well
KHALIKOTE	19°36'35" N	85°5'18" E	Khalikot	Dug Well
KHALIKOTE	19°37'30" N	84°56'18" E	Kodala	Dug Well
KHALIKOTE	19°31'37" N	85°5'45" E	Rambha	Dug Well
KUKUDAKHANDI	19°21'16" N	84°44'34" E	Lanjia	Dug Well
KUKUDAKHANDI	19°23'40" N	84°45'15" E	Kukudahandi	Dug Well
KUKUDAKHANDI	19°21'14" N	84°46'15" E	Ratanpur	Dug Well
KUKUDAKHANDI	19°18'10" N	84°45'33" E	Lathi	Dug Well
KUKUDAKHANDI	19°22'55" N	84°33'47" E	Digapahandi 1	Dug Well
KUKUDAKHANDI	19°22'14" N	84°37'52" E	Pitamberpur	Dug Well
KUKUDAKHANDI	19°14'32" N	84°42'34" E	Kankia	Dug Well
KUKUDAKHANDI	19°21'25" N	84°33'58" E	Padmanavapur	Dug Well
PATRAPUR	19°4'30" N	84°30'24" E	Jarada1	Dug Well
PATRAPUR	19°7'42" N	84°34'38" E	Patrapur1	Dug Well
PATRAPUR	19°9'30" N	84°32'0" E	Surangi	Dug Well
PATRAPUR	19°5'38" N	84°36'48" E	Jyantipur	Dug Well
PATRAPUR	19°7'50" N	84°34'12" E	Patrapur	Bore Well
POLASARA	19°41'30" N	84°49'10" E	Polasora	Dug Well
PURUSOTTAMPUR	19°27'42" N	84°53'15" E	Nuapalli	Dug Well
PURUSOTTAMPUR	19°31'6" N	84°46'23" E	Bananai	Dug Well
PURUSOTTAMPUR	19°30'42" N	84°52'32" E	Purusatampur	Dug Well
RANGILUNDA	19°16'39" N	84°46'53" E	Haldiapadar	Dug Well
RANGILUNDA	19°18'42" N	84°47'26" E	Berhampur li	Dug Well
RANGILUNDA	19°13'21" N	84°48'24" E	Dumdumi	Dug Well
RANGILUNDA	19°12'15" N	84°45'9" E	Golanthara	Dug Well
RANGILUNDA	19°14'32" N	84°47'7" E	Hinjalapalli 1	Dug Well
RANGILUNDA	19°16'12" N	84°48'48" E	Phulata	Dug Well
RANGILUNDA	19°14'58" N	84°52'19" E	Golabandha	Dug Well
RANGILUNDA	19°11'20" N	84°46'19" E	Mantridi	Dug Well
RANGILUNDA	19°15'32" N	84°46'30" E	Gopalpur 1	Dug Well
SANAKHEMUNDI	19°26'42" N	84°28'0" E	Pudamari	Dug Well
SANAKHEMUNDI	19°26'42" N	84°35'27" E	Patapur	Dug Well
SARGAD	19°32'23" N	84°37'15" E	Subash Ch.Pur	Dug Well
SARGAD	19°30'27" N	84°36'18" E	Sheragada2	Dug Well
SURADA	19°42'36" N	84°31'14" E	Soramani	Dug Well
SURADA	19°45'26" N	84°26'12" E	Soroda	Dug Well

GANJAM				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
SURADA	19°38'40" N	84°24'47" E	Badagarh 1	Dug Well

JAGATSINGHAPUR				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
BALIKUDA	20°8'15" N	86°16'19" E	Balikuda 3	Dug Well
ERSAMA	20°12'16" N	86°24'25" E	Ersama2	Dug Well
JAGATSINGHAPUR	20°20'32" N	86°7'40" E	Siuli	Dug Well
JAGATSINGHAPUR	20°17'38" N	86°8'23" E	Nuapolbazar	Dug Well
JAGATSINGHAPUR	20°17'49" N	86°8'9" E	Sinharpur	Dug Well
JAGATSINGHAPUR	20°19'52" N	86°3'18" E	Govindpur	Dug Well
JAGATSINGHAPUR	20°20'13" N	86°3'18" E	Kulakijanga	Dug Well
JAGATSINGHAPUR	20°19'40" N	86°5'9" E	Balia Store	Dug Well
KUJANG	20°19'26" N	86°34'33" E	Bhutmundi1	Dug Well
KUJANG	20°19'27" N	86°32'9" E	Balarampur	Dug Well
KUJANG	20°18'55" N	86°32'0" E	Kujang	Dug Well
KUJANG	20°18'58" N	86°36'30" E	Paradeepgarh1	Dug Well
TIRTOL	20°17'0" N	86°18'0" E	Kanakpur	Dug Well
TIRTOL	20°21'30" N	86°9'44" E	Raghunathpur 1	Dug Well

JAJAPUR				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
BADACHANA	20°39'14" N	86°9'14" E	Arkhapur	Dug Well
BADACHANA	20°43'29" N	86°7'15" E	Haridaspur	Dug Well
BARI	20°38'40" N	86°24'19" E	Kalamatia	Dug Well
BARI	20°43'3" N	86°19'59" E	Atria	Dug Well
BINJHARPUR	20°42'26" N	86°26'15" E	Rudrapur	Dug Well
BINJHARPUR	20°41'19" N	86°30'20" E	Singhpur New	Dug Well
DANAGADI	20°57'53" N	86°4'43" E	Danagadi 1	Dug Well
DANAGADI	21°5'11" N	85°59'7" E	Phuljhore	Dug Well
DANAGADI	21°5'5" N	85°57'45" E	Tomka	Bore Well
DANAGADI	20°56'0" N	86°3'55" E	Jakhpura-li	Bore Well
DANAGADI	20°54'58" N	86°0'50" E	Pankpal	Bore Well
DANAGADI	20°57'45" N	86°4'45" E	Danagadi-li	Bore Well
DANAGADI	20°35'32" N	86°3'7" E	Kotagaon	Dug Well
DANAGADI	20°55'56" N	86°3'48" E	Jakhpura	Dug Well
DASARATHAPUR	20°50'4" N	86°26'48" E	Dasarathpur	Dug Well
DASARATHAPUR	20°51'1" N	86°24'10" E	Hirapur	Dug Well
DASARATHAPUR	20°51'5" N	86°22'5" E	Bamdevpur	Dug Well
DHARMASALA	20°52'25" N	86°0'2" E	Amnut Monohi	Dug Well
DHARMASALA	20°46'58" N	86°4'13" E	Baruda	Dug Well
DHARMASALA	20°48'26" N	86°3'17" E	Purunabavlamola	Dug Well

JAJAPUR				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
DHARMASALA	20°43'46" N	86°8'6" E	Sarei	Dug Well
DHARMASALA	20°42'45" N	86°4'41" E	Darpani	Bore Well
DHARMASALA	20°51'35" N	86°0'15" E	Balrampur	Bore Well
DHARMASALA	20°48'30" N	86°3'45" E	Chandeidhara	Bore Well
DHARMASALA	20°43'17" N	86°8'22" E	Neulpur 1	Dug Well
DHARMASALA	20°44'2" N	86°5'58" E	Jhargadia	Dug Well
DHARMASALA	20°47'31" N	86°4'46" E	Jamjhari	Dug Well
DHARMASALA	20°47'3" N	86°5'45" E	Madhupurgarh	Dug Well
DHARMASALA	20°48'1" N	86°3'39" E	Ragadiposi	Dug Well
DHARMASALA	20°44'45" N	86°4'30" E	Pobala	Dug Well
DHARMASALA	20°52'20" N	86°1'30" E	Kabatabandha	Dug Well
DHARMASALA	20°46'30" N	86°3'38" E	Dankari	Dug Well
JAJAPUR	20°55'8" N	86°15'28" E	Rudhia	Dug Well
JAJAPUR	20°50'7" N	86°20'13" E	Jajpur	Dug Well
JAJAPUR	20°52'54" N	86°17'52" E	Gopalpur	Dug Well
KORAI	20°59'30" N	86°7'40" E	Tolagarh	Bore Well
KORAI	20°57'30" N	86°6'45" E	Vyasnagar	Bore Well
KORAI	21°0'2" N	86°7'32" E	Talagada	Dug Well
KORAI	21°3'11" N	86°8'4" E	Ragadi 1	Dug Well
RASUL PUR	20°49'15" N	86°12'11" E	Kuakhia 1	Dug Well
SUKINDA	20°59'43" N	85°59'15" E	Dubri 1	Dug Well
SUKINDA	21°3'3" N	85°58'54" E	Sohupur	Dug Well
SUKINDA	20°55'47" N	85°55'42" E	Khonedi	Dug Well
SUKINDA	20°54'32" N	86°0'25" E	Ragedi 1	Dug Well
SUKINDA	20°59'6" N	85°47'34" E	Garamiandw	Dug Well
SUKINDA	20°57'30" N	85°55'0" E	Sukinda-li	Bore Well
SUKINDA	21°2'14" N	85°45'1" E	Kaliapani	Bore Well
SUKINDA	21°1'3" N	85°45'30" E	Kalarangi-li	Bore Well
SUKINDA	21°2'38" N	85°48'22" E	Sukurangi	Bore Well
SUKINDA	20°59'10" N	85°47'55" E	Garamian	Bore Well
SUKINDA	20°54'50" N	85°56'6" E	Ambasar	Dug Well
SUKINDA	20°58'2" N	85°54'6" E	Kendudhipi	Dug Well
SUKINDA	20°58'3" N	85°54'55" E	Sukinda	Dug Well
SUKINDA	21°3'15" N	85°48'19" E	Saruabil(nuasah	Dug Well
SUKINDA	21°3'15" N	85°45'0" E	Chinguripal	Dug Well

JHARSUGUDA				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
JHARSUGUDA	21°54'16" N	84°1'58" E	Omp Check Gate	Dug Well
JHARSUGUDA	21°49'32" N	83°50'55" E	Belpahar	Dug Well
JHARSUGUDA	21°49'10" N	83°55'55" E	Brajrajnagar	Dug Well
JHARSUGUDA	21°53'9" N	84°0'33" E	Jharsuguda 2	Dug Well

KIRIMIRA	21°54'37" N	84°6'44" E	Jamkani (arda)	Dug Well
KIRIMIRA	21°51'9" N	84°6'59" E	Bhalupatra	Dug Well
KOLABIRA	21°49'26" N	84°6'25" E	Ram Kumar Chawk	Dug Well
KOLABIRA	21°50'5" N	84°4'39" E	Sriyapali	Dug Well
LAIKERA	21°56'15" N	84°19'17" E	Chadnimal	Dug Well
LAIKERA	21°53'40" N	84°13'17" E	Laikera 1	Dug Well
LAIKERA	21°52'39" N	84°9'19" E	Kirimera	Dug Well
LAIKERA	21°56'36" N	84°17'37" E	Sahaspur	Dug Well
LAKHANPUR	21°46'40" N	83°38'22" E	Katarbaga	Dug Well
LAKHANPUR	21°45'40" N	83°46'25" E	Lakhanpur	Dug Well
LAKHANPUR	21°47'13" N	83°34'18" E	Bhikhampali	Dug Well
LAKHANPUR	21°44'24" N	83°45'36" E	Beheramal	Bore Well
LAKHANPUR	21°45'29" N	83°29'38" E	Kanakatura	Bore Well
LAKHANPUR	21°35'44" N	83°57'51" E	Singarpur	Dug Well
LAKHANPUR	21°47'7" N	83°35'39" E	Panchagaon	Dug Well

KALAHANDI				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
BHAWANIPATNA	19°51'57" N	83°9'32" E	Attanguda	Dug Well
BHAWANIPATNA	19°55'39" N	83°6'50" E	Malgaon	Dug Well
BHAWANIPATNA	19°54'29" N	83°9'33" E	Bawanipatna	Dug Well
BHAWANIPATNA	20°10'15" N	82°59'24" E	Sargigora	Dug Well
BHAWANIPATNA	19°49'0" N	83°7'15" E	Dalguma	Dug Well
BHAWANIPATNA	19°54'29" N	83°9'33" E	Bhawanipatna	Bore Well
DHARAMAGARH	19°52'12" N	82°46'47" E	Dharamgarh	Dug Well
GOLAMUNDA	20°6'15" N	82°53'45" E	Kegaon	Dug Well
GOLAMUNDA	20°3'20" N	82°47'18" E	Golamunda	Bore Well
JAYAPATNA	19°28'25" N	82°48'23" E	Jaipatna 1	Dug Well
JAYAPATNA	19°31'52" N	82°48'50" E	Baner	Dug Well
JAYAPATNA	19°33'30" N	82°49'12" E	Bijamara	Dug Well
JAYAPATNA	19°36'42" N	82°42'20" E	Ladugaon	Bore Well
JUNAGARH	19°53'41" N	83°1'15" E	Tal Jaring	Dug Well
JUNAGARH	19°44'27" N	82°48'41" E	Charbahal	Dug Well
JUNAGARH	19°51'54" N	82°56'19" E	Junagarh 1	Dug Well
JUNAGARH	19°43'57" N	82°54'38" E	Chiliguda1	Dug Well
JUNAGARH	19°46'40" N	82°50'45" E	Mahichala	Dug Well
JUNAGARH	19°50'38" N	82°54'25" E	Baldiamal	Dug Well
JUNAGARH	19°50'8" N	82°50'15" E	Badbasul	Dug Well
JUNAGARH	19°41'52" N	82°53'57" E	Dasigaon 1	Dug Well
KALAMPUR	19°37'20" N	82°53'0" E	Kalampur	Dug Well
KALAMPUR	19°36'25" N	82°48'50" E	Bandigaon	Dug Well
KALAMPUR	19°42'55" N	82°47'45" E	Moter	Dug Well
KARLAMUNDA	20°24'5" N	83°28'22" E	Risida	Dug Well
KESINGA	20°17'58" N	83°21'22" E	Tundala	Dug Well

KALAHANDI				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
KOKASARA	19°37'10" N	82°41'22" E	Sunamala	Dug Well
KOKASARA	19°34'56" N	82°37'28" E	Ampani	Dug Well
KOKASARA	19°40'32" N	82°41'42" E	Koksara	Dug Well
LANJIGARH	19°49'2" N	83°25'55" E	Biswanathppur	Dug Well
LANJIGARH	19°50'36" N	83°25'26" E	Bakatpur	Dug Well
LANJIGARH	20°3'45" N	83°22'59" E	Narla	Dug Well
LANJIGARH	19°51'10" N	83°25'15" E	Pokaribandh	Dug Well
MADANPUR RAMPUR	20°18'28" N	83°31'57" E	Madanpur1	Dug Well
MADANPUR RAMPUR	20°11'50" N	83°31'30" E	M-rampur	Dug Well
NARALA	20°7'39" N	83°25'4" E	Tulapada	Dug Well
NARALA	19°58'8" N	83°19'16" E	Santapur	Dug Well
THUAMUL RAMPUR	19°36'30" N	83°7'0" E	Gunupur	Dug Well

KANDHAMAL				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
BALIGUDA	20°11'57" N	83°54'30" E	Baliguda	Dug Well
CHAKPAD	20°18'59" N	84°17'46" E	Sankarakhol	Dug Well
DARINGBADI	19°54'35" N	84°7'20" E	Daringbadi	Dug Well
G.UDAYAGIRI	20°9'35" N	84°25'5" E	G. Kalinga	Dug Well
G.UDAYAGIRI	20°3'59" N	84°19'32" E	Lingagada 1	Dug Well
G.UDAYAGIRI	20°7'33" N	84°22'7" E	G.udaigiri 1	Dug Well
G.UDAYAGIRI	20°9'27" N	84°25'15" E	Kalinga	Dug Well
G.UDAYAGIRI	20°27'22" N	84°16'28" E	Gudari	Dug Well
KHAJURIPADA	20°23'8" N	84°10'47" E	Telapalli	Dug Well
KHAJURIPADA	20°32'0" N	84°18'5" E	Sudrukumpa	Dug Well
KHAJURIPADA	20°30'20" N	84°16'10" E	Vetkhol	Dug Well
KHAJURIPADA	20°34'20" N	84°22'45" E	Ranipathar	Dug Well
KHAJURIPADA	20°25'5" N	84°13'29" E	Ambapada	Dug Well
KHAJURIPADA	20°26'26" N	84°24'23" E	Khajuripada	Dug Well
KOTAGARH	19°42'39" N	83°40'2" E	Bandapipali	Dug Well
NAUGAON	20°5'37" N	84°8'55" E	Gunjibadi	Dug Well
NAUGAON	20°13'32" N	84°7'36" E	Sarangarh	Dug Well
NAUGAON	20°8'8" N	84°0'20" E	Nuagaon	Dug Well
PHIRINGIA	20°18'7" N	84°8'33" E	Podapada	Dug Well
PHIRINGIA	20°21'20" N	84°7'22" E	Phiringia-i	Dug Well
PHULABANI	20°30'30" N	84°9'6" E	Dubagarh	Dug Well
PHULABANI	20°29'23" N	84°13'22" E	Phulbani1	Dug Well
PHULABANI	20°28'45" N	84°5'22" E	Katringia	Dug Well
RAIKIA	20°5'39" N	84°15'37" E	Mandakia	Dug Well
RAIKIA	20°3'27" N	84°14'42" E	Raikia-ii	Dug Well

TIKABALI	20°14'25" N	84°21'28" E	Tikabali	Dug Well
TIKABALI	20°9'57" N	84°15'23" E	Paburiya	Dug Well
TUMUDIBANDHA	19°58'18" N	83°42'20" E	Tumdibandh	Dug Well
TUMUDIBANDHA	20°4'35" N	83°39'0" E	Sunagaon	Dug Well
TUMUDIBANDHA	20°3'35" N	83°45'25" E	Kurtamgarh	Dug Well

KENDRAPARA				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
DERA BIS	20°29'39" N	86°18'52" E	Daliji	Dug Well
DERA BIS	20°33'18" N	86°19'20" E	Laxminarayanpur	Dug Well
DERA BIS	20°32'24" N	86°25'12" E	Indupur2	Dug Well
DERA BIS	20°29'20" N	86°17'30" E	Chandola	Dug Well
GARADPUR	20°22'23" N	86°15'35" E	Badhi	Dug Well
GARADPUR	20°22'46" N	86°22'15" E	Garadpur	Dug Well
GARADPUR	20°24'37" N	86°17'20" E	Kuda Nagari	Dug Well
GARADPUR	20°23'47" N	86°19'43" E	Arilo	Dug Well
KENDRAPARA	20°35'4" N	86°23'27" E	Nikrai1	Dug Well
KENDRAPARA	20°30'36" N	86°21'36" E	Jamdhar	Dug Well
KENDRAPARA	20°30'11" N	86°20'5" E	Chandibazar	Dug Well
KENDRAPARA	20°32'34" N	86°27'25" E	Barua 1	Dug Well
KENDRAPARA	20°31'8" N	86°22'26" E	Kasoti	Dug Well
KENDRAPARA	20°30'20" N	86°23'39" E	Shyamsundarpur	Dug Well
KENDRAPARA	20°30'29" N	86°21'8" E	Jantilo	Dug Well
KENDRAPARA	20°31'21" N	86°24'4" E	Ramnagar	Dug Well
KENDRAPARA	20°30'49" N	86°29'8" E	Duhuria	Dug Well
KENDRAPARA	20°31'24" N	86°26'31" E	Jajanga	Dug Well
MAHAKALA PADA	20°25'31" N	86°33'45" E	Chadeiguan	Dug Well
MAHAKALA PADA	20°25'28" N	86°34'25" E	Mahakalpara 2	Dug Well
MARSA GHAI	20°27'11" N	86°27'7" E	Hatia	Dug Well
MARSA GHAI	20°25'58" N	86°28'21" E	Dargochha	Dug Well
MARSA GHAI	20°25'10" N	86°30'42" E	Giranga	Dug Well
PATTAMUNDAI	20°34'20" N	86°33'53" E	Pattamundai3	Dug Well
PATTAMUNDAI	20°34'19" N	86°30'30" E	Mulabasanta	Dug Well
PATTAMUNDAI	20°40'34" N	86°38'20" E	Aul(Ali)	Dug Well
PATTAMUNDAI	20°30'10" N	86°27'15" E	Jajang-II	Tube Well
PATTAMUNDAI	20°30'10" N	86°27'15" E	Jajang-1	Tube Well
PATTAMUNDAI	20°35'3" N	86°33'57" E	Pattamundai	Tube Well
RAJKANIKA	20°43'8" N	86°41'15" E	Makundapur	Dug Well
RAJKANIKA	20°43'51" N	86°41'47" E	Ganja	Dug Well
RAJNAGAR	20°34'23" N	86°42'53" E	Rajnagar	Dug Well
RAJNAGAR	20°37'31" N	86°43'18" E	Keredagada	Dug Well

KENDUJHAR				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
ANANDPUR	21°5'43" N	86°6'44" E	Nuagaon	Dug Well
ANANDPUR	21°12'31" N	86°11'15" E	Balduan-I	Bore Well
ANANDPUR	21°13'8" N	86°7'3" E	Anandapur 1	Dug Well
ANANDPUR	21°16'7" N	85°52'30" E	Bhagomunda	Dug Well
BANSPAL	21°37'10" N	85°25'5" E	Banspal-li	Bore Well
BANSPAL	21°29'58" N	85°28'35" E	Kanjipani	Dug Well
BANSPAL	21°36'25" N	85°31'20" E	Suakati	Dug Well
CHAMPUA	22°3'54" N	85°39'27" E	Champua 1	Dug Well
CHAMPUA	22°3'13" N	85°36'37" E	Jodipada 1	Dug Well
CHAMPUA	22°0'48" N	85°39'37" E	Sasang	Dug Well
CHAMPUA	21°56'47" N	85°36'14" E	Parsora	Dug Well
CHAMPUA	22°2'20" N	85°34'30" E	Jaymangalpur	Dug Well
GHASIPURA	21°7'8" N	86°7'52" E	Sainkula	Bore Well
GHASIPURA	21°12'40" N	86°6'30" E	Ghasipura pz	Bore Well
GHASIPURA	21°9'50" N	86°2'48" E	Kesudapal-li	Bore Well
GHASIPURA	21°11'18" N	86°3'44" E	Balarampur	Dug Well
GHASIPURA	21°9'54" N	86°2'48" E	Deogan1	Dug Well
GHASIPURA	21°10'8" N	86°0'13" E	Kesurdapal	Dug Well
GHASIPURA	21°16'15" N	86°5'12" E	Birgovindpur	Dug Well
GHASIPURA	21°7'10" N	86°7'0" E	Barpada	Dug Well
GHATGAON	21°23'5" N	85°51'37" E	Rajpat	Dug Well
GHATGAON	21°21'56" N	85°58'6" E	Melana	Dug Well
GHATGAON	21°29'53" N	85°50'5" E	Dhenkikot-li	Bore Well
GHATGAON	21°23'38" N	85°58'55" E	Ghatgaon-I	Bore Well
GHATGAON	21°26'0" N	85°37'30" E	Janghira	Dug Well
GHATGAON	21°25'28" N	85°42'48" E	Patilo	Dug Well
GHATGAON	21°26'44" N	85°52'33" E	Gadadharpur	Dug Well
GHATGAON	21°23'36" N	85°53'40" E	Ghatgaon 1	Dug Well
GHATGAON	21°23'15" N	85°50'20" E	Dhangadiha	Dug Well
GHATGAON	21°30'0" N	85°39'0" E	Baxibarigan	Dug Well
GHATGAON	21°29'35" N	85°50'5" E	Dhenkikote	Dug Well
HARICHADANPUR	21°20'45" N	85°47'25" E	Harichandanpur-li	Bore Well
HARICHADANPUR	21°26'5" N	85°37'32" E	Jhangira	Bore Well
HARICHADANPUR	21°30'0" N	85°39'0" E	Baxibargaon	Bore Well
HARICHADANPUR	21°20'25" N	85°47'25" E	Harichandanpur	Dug Well
HATADIHI	21°14'59" N	86°16'45" E	Bidyadharpur	Bore Well
HATADIHI	21°11'15" N	86°14'46" E	Mathadai-li	Bore Well
HATADIHI	21°11'14" N	86°14'46" E	Mathadai	Dug Well
HATADIHI	21°10'16" N	86°14'48" E	Hatadihi	Dug Well
HATADIHI	21°12'40" N	86°7'15" E	Ghasipur	Dug Well
JHUMPURA	21°49'40" N	85°34'0" E	Jhumpura-li	Bore Well
JHUMPURA	21°48'19" N	85°41'24" E	Ukunta	Dug Well
JHUMPURA	21°23'48" N	85°25'59" E	Katalaposhi	Dug Well
JHUMPURA	21°53'17" N	85°40'36" E	Badaposhi	Dug Well

KENDUJHAR				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
JHUMPURA	21°49'37" N	85°34'6" E	Jhumpura	Dug Well
JODA	21°58'45" N	85°17'10" E	Guali	Dug Well
JODA	22°0'30" N	85°20'5" E	Rugudi	Dug Well
JODA	22°3'20" N	85°23'27" E	Bhadrasahi	Dug Well
JODA	22°1'30" N	85°26'30" E	Joda	Dug Well
KENDUJHARGARH	21°40'53" N	85°40'13" E	Jhadbelda 1	Dug Well
KENDUJHARGARH	21°39'44" N	85°36'26" E	Brahmandgram	Dug Well
KENDUJHARGARH	21°37'24" N	85°34'51" E	Keonjhar-li Old Town	Dug Well
KENDUJHARGARH	21°36'56" N	85°38'43" E	Naranpur	Dug Well
KENDUJHARGARH	21°45'50" N	85°35'15" E	Padampur-li	Bore Well
KENDUJHARGARH	21°38'20" N	85°37'40" E	Mukundpur	Dug Well
KENDUJHARGARH	21°40'59" N	85°34'58" E	Raisuan	Dug Well
KENDUJHARGARH	21°35'0" N	85°39'0" E	Haridagot	Dug Well
KENDUJHARGARH	21°33'55" N	85°42'18" E	Gopalpur2	Dug Well
KENDUJHARGARH	21°43'50" N	85°35'15" E	Padampur2	Dug Well
KENDUJHARGARH	21°39'12" N	85°37'54" E	Muktapur	Dug Well
KENDUJHARGARH	21°37'55" N	85°36'45" E	Keonjhar	Dug Well
PATANA	21°30'18" N	85°39'10" E	Swampatna-li	Bore Well
PATANA	21°35'30" N	85°57'40" E	Kothaghar	Dug Well
PATANA	21°39'24" N	85°50'48" E	Tangarpada	Dug Well
PATANA	21°49'38" N	85°47'7" E	Budhikapudi	Dug Well
PATANA	21°42'55" N	85°41'24" E	Khiritangiri	Dug Well
PATANA	21°41'4" N	85°46'20" E	Balaniposi	Dug Well
PATANA	21°40'55" N	85°47'34" E	Kendeiposhi 1	Dug Well
PATANA	21°47'18" N	85°48'0" E	Turmunga	Dug Well
PATANA	21°34'50" N	85°53'40" E	Malliposi	Dug Well
SAHARAPADA	21°44'28" N	85°54'37" E	Gajitangri	Dug Well
SAHARAPADA	21°42'12" N	85°51'28" E	Udaipur-li	Bore Well
SAHARAPADA	21°42'12" N	85°51'28" E	Udaipur	Dug Well
SAHARAPADA	21°38'18" N	85°54'2" E	Swampatna	Dug Well
SAHARAPADA	21°40'42" N	85°56'19" E	Barbil	Dug Well
TELKOI	21°29'51" N	85°32'5" E	Gonasika	Dug Well
TELKOI	21°26'6" N	85°20'6" E	Jagmohanpur-li	Bore Well
TELKOI	21°19'48" N	85°24'44" E	Khuntapada 1	Dug Well
TELKOI	21°16'0" N	85°29'0" E	Padang	Dug Well
TELKOI	21°11'38" N	85°24'2" E	Bimala	Dug Well
TELKOI	21°21'43" N	85°23'57" E	Telkoi	Dug Well
TELKOI	21°26'6" N	85°20'6" E	Jagmohanpur	Dug Well
TELKOI	21°12'15" N	85°36'0" E	Kaliahata	Dug Well
TELKOI	21°38'22" N	85°36'19" E	Balijhodi	Dug Well
TELKOI	21°11'26" N	85°31'54" E	Patakhali	Dug Well
TELKOI	21°16'14" N	85°24'49" E	Akul	Dug Well

KHORDHA				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
BALIANTA	20°13'35" N	85°56'54" E	Jagannathpur	Dug Well
BALIANTA	20°20'55" N	85°53'33" E	Kundaidarapatna (pahala)	Dug Well
BALIPATANA	20°14'41" N	85°54'6" E	Tolakpada	Dug Well
BALIPATANA	20°7'0" N	85°58'32" E	Odakhanda-DW	Dug Well
BALIPATANA	20°12'18" N	85°57'49" E	Balipatna	Dug Well
BANAPUR	19°46'57" N	85°9'59" E	Banapur	Dug Well
BEGUNIA	20°13'15" N	85°30'28" E	Baghamari Dw	Dug Well
BEGUNIA	20°12'12" N	85°27'17" E	Begunia 1	Dug Well
BHUBANESWAR	20°17'12" N	85°46'52" E	B-47 Ghatikia	Dug Well
BHUBANESWAR	20°14'4" N	85°50'27" E	B-03 Garage Chhank	Dug Well
BHUBANESWAR	20°19'48" N	85°54'3" E	B-21 Haridaspur	Dug Well
BHUBANESWAR	20°17'16" N	85°50'13" E	B-31 Unit-9	Dug Well
BHUBANESWAR	20°16'2" N	85°47'59" E	B-44 Baramunda	Dug Well
BHUBANESWAR	20°14'13" N	85°49'16" E	B-39 Bhimatangi	Dug Well
BHUBANESWAR	20°16'38" N	85°45'21" E	B-45 Delta Square	Dug Well
BHUBANESWAR	20°19'19" N	85°47'45" E	B-26 Gadakana	Dug Well
BHUBANESWAR	20°17'14" N	85°50'41" E	B-20 Palasuni (NH-5)	Dug Well
BHUBANESWAR	20°14'36" N	85°49'56" E	B-05 Rath Road	Dug Well
BHUBANESWAR	20°14'3" N	85°47'48" E	Kuha	Dug Well
BHUBANESWAR	20°16'53" N	85°49'41" E	B-33 Unit-4	Dug Well
BHUBANESWAR	20°13'31" N	85°48'49" E	Sundarpada	Dug Well
BHUBANESWAR	20°14'34" N	85°49'55" E	B-04 Lingaraj Temple	Dug Well
BHUBANESWAR	20°15'14" N	85°49'50" E	B-07 Bapuji Nagar	Dug Well
BHUBANESWAR	20°15'1" N	85°48'24" E	B-43 Gandamunda	Dug Well
BHUBANESWAR	20°16'37" N	85°45'57" E	B-51 DAV (Unit- 8)	Dug Well
BHUBANESWAR	20°15'51" N	85°49'4" E	B-34 Ganga Nagar	Dug Well
BHUBANESWAR	20°18'3" N	85°49'51" E	B-25 Sainik School	Dug Well
BHUBANESWAR	20°15'25" N	85°49'9" E	B-38 Bhipur	Dug Well
BHUBANESWAR	20°13'40" N	85°48'52" E	B-40 Kapilaprasad	Dug Well
BHUBANESWAR	20°14'35" N	85°51'17" E	B-09 Tankapani Road	Dug Well
BHUBANESWAR	20°13'41" N	85°50'18" E	B-02 Samantarapur	Dug Well
BHUBANESWAR	20°14'56" N	85°47'20" E	B-48 Dumuduma	Dug Well
BHUBANESWAR	20°12'55" N	85°42'43" E	B-50 Janla	Dug Well
BHUBANESWAR	20°14'41" N	85°49'40" E	B-06 Purnama Gate	Dug Well
BHUBANESWAR	20°19'22" N	85°53'24" E	B-22 Mancheswar	Dug Well
BHUBANESWAR	20°16'15" N	85°51'2" E	B-17 Satya Nagar	Dug Well
BHUBANESWAR	20°17'43" N	85°51'50" E	B-14 Rasulgarh	Dug Well
BHUBANESWAR	20°15'37" N	85°43'31" E	B-37 OUAT	Dug Well
BHUBANESWAR	20°14'16" N	85°48'24" E	B-41 Pokhariput	Dug Well
BHUBANESWAR	20°16'19" N	85°51'27" E	B-12 Laxmi Sagar	Dug Well
BHUBANESWAR	20°15'57" N	85°49'16" E	B-35 Unit-6	Dug Well
BHUBANESWAR	20°17'14" N	85°51'18" E	B-15 Bomikhal	Dug Well

KHORDHA				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
BHUBANESWAR	20°14'15" N	85°49'11" E	B-42 Kargil Bas ti	Dug Well
BHUBANESWAR	20°14'56" N	85°43'40" E	B-52 Madanpur	B ore Well
BHUBANESWAR	20°13'58" N	85°44'36" E	Tamando	Dug Wel l
BHUBANESWAR	20°16'4" N	85°41'49" E	Mendhasala	Dug W ell
BHUBANESWAR	20°22'5" N	85°46'0" E	Chandaka	Dug Well
BHUBANESWAR	20°20'35" N	85°47'10" E	Raghunathpur	Du g Well
BHUBANESWAR	20°14'3" N	85°49'6" E	Kapilaprasad	Dug Well
BHUBANESWAR	20°23'53" N	85°47'28" E	Patia	Dug Well
BHUBANESWAR	20°17'3" N	85°50'58" E	Bhubaneswar-i	Du g Well
BHUBANESWAR	20°15'36" N	85°49'45" E	B-54 Unit 1	Bor e Well
BHUBANESWAR	20°18'15" N	85°49'39" E	B-55 Mancheswar	Bore Well
BHUBANESWAR	20°15'37" N	85°47'26" E	B-56 CGWB Offic e	Bore Well
BHUBANESWAR	20°19'2" N	85°46'15" E	B-53 Andharua	Bo re Well
BHUBANESWAR	20°21'53" N	85°48'43" E	B-57 MAHIMA ASHRAM	Bore Well
BOLAGAD	20°10'23" N	85°16'58" E	Sialia Nuasahi	Dug Well
BOLAGAD	20°10'0" N	85°16'0" E	Nanda Pally	Dug Well
BOLAGAD	20°10'14" N	85°16'6" E	Bandha Square	Dug We ll
BOLAGAD	20°10'15" N	85°16'40" E	Bolagarh	Dug Well
CHILIKA	19°44'50" N	85°12'28" E	Balugaon	Dug Well
JATANI	20°9'50" N	85°41'55" E	Jatni1	Dug Well
JATANI	20°9'31" N	85°45'25" E	Niranjanpur	Dug Well
JATANI	20°10'50" N	85°42'5" E	Sandhapur	Dug Well
JATANI	20°10'22" N	85°40'32" E	Padanpur	Dug Well
JATANI	20°11'58" N	85°42'1" E	Gobindpur	Dug Well
JATANI	20°13'0" N	85°42'58" E	Janla	Dug Well
KHORDHA	20°10'32" N	85°38'18" E	Khurda Industrial Area	Dug Well
KHORDHA	20°10'55" N	85°37'3" E	Khurda	Dug Well
KHORDHA	20°12'48" N	85°32'44" E	Jayamangal	Dug Well
TANGI	20°1'54" N	85°31'18" E	Jankia	Dug Well
TANGI	19°57'10" N	85°28'50" E	Bhusundapur	Dug Well
TANGI	19°55'31" N	85°23'52" E	Tangi2	Dug Well
TANGI	19°59'38" N	85°32'24" E	Nirakarpur	Dug Well
TANGI	19°50'18" N	85°16'57" E	Sunakhela	Dug Well
TANGI	19°52'46" N	85°20'31" E	Kuhudi	Dug Well

KORAPUT				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
BANDHUGAON	18°56'30" N	83°1'35" E	Peddagadavalasa	D ug Well
BOIPARIGUDA	18°46'36" N	82°15'28" E	Ramgiri1	Dug We ll
BOIPARIGUDA	18°46'28" N	82°19'31" E	Dhaulapur	Dug W ell
BOIPARIGUDA	18°45'30" N	82°26'18" E	Baipariguda	Dug Well

KORAPUT				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
BOIPARIGUDA	18°46'22" N	82°31'40" E	Patraput	Dug We ll
BOIPARIGUDA	18°42'24" N	82°24'20" E	Tanginiguda	Dug Well
BOIPARIGUDA	18°45'41" N	82°28'34" E	Doraguda	Dug We ll
BOIPARIGUDA	18°46'1" N	82°23'16" E	Mundaguda	Dug We ll
BORIGUMA	19°6'32" N	82°28'26" E	Sasanhandi-ii	Dug Well
BORIGUMA	19°8'48" N	82°32'45" E	Khaliaguda	Dug Well
BORIGUMA	19°3'5" N	82°32'48" E	Boriguma	Dug Well
BORIGUMA	19°9'12" N	82°34'40" E	Jujari	Dug Well
BORIGUMA	19°4'21" N	82°31'31" E	Bijapur	Dug Well
BORIGUMA	19°4'47" N	82°35'25" E	Tikaguda	Dug Well
BORIGUMA	19°12'4" N	82°33'34" E	Bangalaguda	Dug Well
DASAMANTAPUR	19°3'3" N	82°55'40" E	Dasmanthapur	Dug Well
DASAMANTAPUR	18°51'40" N	82°51'40" E	Podagada 1	Dug Well
JEYPUR	18°51'10" N	82°34'53" E	Jeypore1	Dug Well
JEYPUR	18°51'55" N	82°31'20" E	Anta	Dug Well
JEYPUR	18°48'47" N	82°32'52" E	Panasaputbagh	Dug Well
JEYPUR	18°50'55" N	82°32'24" E	Kantarkhal 1	Dug Well
JEYPUR	18°54'0" N	82°34'11" E	Umeri1	Dug Well
JEYPUR	18°59'53" N	82°28'30" E	Konga	Dug Well
JEYPUR	18°58'0" N	82°33'45" E	Ambaguda1	Dug Well
JEYPUR	18°58'35" N	82°32'40" E	Kenduguda	Dug Well
JEYPUR	19°1'34" N	82°26'3" E	C-kusumi-ii	Dug Well
JEYPUR	19°1'27" N	82°25'50" E	C.kusumi-i	Dug Well
JEYPUR	18°55'52" N	82°34'6" E	Randapalli-Bj-l	Dug Well
JEYPUR	18°49'18" N	82°30'16" E	Balia	Dug Well
KORAPUT	18°49'38" N	82°38'30" E	Deoghati	Dug Well
KORAPUT	18°48'43" N	82°43'18" E	Koraput-i	Dug Well
KORAPUT	18°48'41" N	82°43'18" E	Koraput-ii	Dug Well
KORAPUT	18°47'18" N	82°45'2" E	Disarikaraguda-New Colony	Dug Well
KORAPUT	18°47'2" N	82°47'2" E	Dumuriput	Dug Well
KOTPAD	19°6'1" N	82°20'25" E	Gumur	Dug Well
KOTPAD	19°5'10" N	82°14'25" E	Chandli	Dug Well
KOTPAD	19°8'46" N	82°24'1" E	Miriguda	Dug Well
KOTPAD	19°7'27" N	82°17'24" E	Damanahandi	Dug Well
KOTPAD	19°8'30" N	82°16'20" E	Kotpad	Dug Well
KUNDURA	19°1'26" N	82°24'0" E	Ghatarala	Dug Well
KUNDURA	19°2'24" N	82°22'13" E	Bajiguda	Dug Well
KUNDURA	18°48'48" N	82°29'4" E	New Ghasarda	Dug Well
LAKSHMIPUR	18°55'21" N	83°0'34" E	Kakriguma	Dug Well
LAKSHMIPUR	18°55'19" N	82°57'27" E	Panchada	Dug Well
LAKSHMIPUR	19°5'41" N	83°11'36" E	Dhamanaganda	Dug Well
LAKSHMIPUR	19°0'51" N	83°7'59" E	Burja	Dug Well
LAKSHMIPUR	18°59'54" N	83°7'35" E	Laxmipur1	Dug Well

KORAPUT				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
LAKSHMIPUR	18°58'5" N	83°2'17" E	Kusumguda	Dug Well
LAKSHMIPUR	19°8'53" N	83°12'50" E	Mandalguda Colony	Dug Well
LAMPTAPUT	18°36'55" N	82°35'39" E	Lamtaput	Dug Well
LAMPTAPUT	18°39'34" N	82°35'8" E	Teraguda	Dug Well
NANDAPUR	18°32'0" N	82°44'30" E	Nandapur	Dug Well
NANDAPUR	18°30'53" N	82°36'58" E	Soguru	Dug Well
NANDAPUR	18°28'33" N	82°41'8" E	Bheja 1	Dug Well
NANDAPUR	18°35'17" N	82°46'8" E	Chingudichuan	Dug Well
NANDAPUR	18°31'34" N	82°41'36" E	Satsimile	Dug Well
NARAYAN PATANA	18°52'32" N	83°10'15" E	Narayanpatna	Dug Well
POTTANGI	18°33'48" N	82°57'42" E	Potangi	Dug Well
POTTANGI	18°30'36" N	83°3'24" E	Sunki 1	Dug Well
SIMILIGUDA	18°36'36" N	82°53'30" E	Kunduli	Dug Well
SIMILIGUDA	18°42'37" N	82°52'9" E	Similiguda1	Dug Well
SIMILIGUDA	18°38'39" N	82°49'16" E	Pitaguda	Dug Well
SIMILIGUDA	18°37'6" N	82°48'19" E	Subai	Dug Well

MALKANGIRI				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
KALI MELA	18°6'3" N	81°53'55" E	Bhejangawara	Dug Well
KALI MELA	18°11'58" N	81°47'20" E	Badili	Dug Well
KALI MELA	18°7'17" N	81°43'29" E	Venkatapalam	Dug Well
KALI MELA	18°9'25" N	81°48'0" E	M.v.64	Dug Well
KALI MELA	18°5'34" N	81°41'9" E	Kanyashram	Dug Well
KALI MELA	18°4'9" N	81°38'32" E	Raddaguda	Dug Well
KALI MELA	18°4'28" N	81°45'8" E	Kalimela1	Dug Well
KHAIRPUT	18°29'2" N	82°14'14" E	Khairput1	Dug Well
KHAIRPUT	18°34'44" N	82°16'53" E	Govindpali 1	Dug Well
KHAIRPUT	18°13'36" N	82°13'36" E	Mundiguda	Dug Well
KORKUNDA	18°15'8" N	82°6'15" E	Balimela	Dug Well
KORKUNDA	18°17'31" N	81°51'9" E	M.V.7	Dug Well
KORKUNDA	19°18'16" N	82°43'13" E	M.V 37	Dug Well
KORKUNDA	18°14'22" N	82°6'5" E	Balimela Chowk	Dug Well
KORKUNDA	18°17'19" N	81°59'6" E	Korukonda 1	Dug Well
KORKUNDA	18°15'3" N	82°6'18" E	Chitapari	Dug Well
KUDUMULUGUM	18°23'13" N	82°11'30" E	Kudumuluguma1	Dug Well
KUDUMULUGUM	18°18'5" N	82°7'38" E	Somnathpur 1	Dug Well
KUDUMULUGUM	18°6'30" N	82°6'55" E	Chitrakonda	Dug Well
KUDUMULUGUM	18°21'24" N	82°9'23" E	Parkannala	Dug Well
MALKANGIRI	18°18'9" N	81°51'12" E	M.V.9	Dug Well
MALKANGIRI	18°24'25" N	81°56'24" E	Sindhimal	Dug Well
MALKANGIRI	18°22'23" N	81°54'16" E	Malkangiri 1	Dug Well
MALKANGIRI	18°27'28" N	82°3'25" E	Kumbharguda	Dug Well

MALKANGIRI				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
MATHILI	18°28'9" N	82°3'9" E	Bejaguda	Dug Well
MATHILI	18°31'7" N	82°8'8" E	Pongam	Dug Well
MATHILI	18°33'36" N	82°13'21" E	Maithili1	Dug Well
MATHILI	18°27'37" N	82°4'33" E	Katameta	Dug Well
PODIA	17°49'50" N	81°23'55" E	Motu	Dug Well
PODIA	17°53'6" N	81°33'0" E	M.v.88	Dug Well
PODIA	17°59'6" N	81°35'42" E	M.v.79	Dug Well
PODIA	18°8'30" N	81°36'36" E	M.v.58	Dug Well
PODIA	18°10'13" N	81°32'40" E	Porhia	Dug Well

MAYURBHANJ				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
BAHALDA	22°18'6" N	86°9'10" E	Dandabose	Dug Well
BAHALDA	22°19'53" N	86°8'30" E	Gambharia	Dug Well
BAHALDA	22°23'18" N	86°5'32" E	Bahalda	Dug Well
BAHALDA	22°26'30" N	86°10'0" E	Bahalda Road(kona)	Dug Well
BAHALDA	22°23'38" N	86°5'39" E	Bahalda 1	Dug Well
BAHALDA	22°24'53" N	86°7'50" E	Poilakunda	Dug Well
BANGIRIPOSI	22°10'46" N	86°28'2" E	Rajabasa	Dug Well I
BANGIRIPOSI	22°7'58" N	86°38'59" E	Budhamara	Dug Well II
BANGIRIPOSI	22°13'20" N	86°43'5" E	Jamsola	Dug Well I
BANGIRIPOSI	22°14'30" N	86°35'32" E	Saraskona	Dug Well
BANGIRIPOSI	22°10'55" N	86°38'55" E	Jharpokhari	Dug Well
BANGIRIPOSI	22°12'38" N	86°33'22" E	Bedhakudar	Dug Well
BANGIRIPOSI	22°5'16" N	86°38'22" E	Kalabadia	Dug Well II
BANGIRIPOSI	22°5'16" N	86°38'22" E	Dahisahi-Dipasahi	Dug Well
BAR SAHI	21°43'35" N	86°44'30" E	Badasahi	Dug Well
BAR SAHI	21°42'50" N	86°45'7" E	Patpur (Talpada)	Dug Well
BAR SAHI	21°50'0" N	86°42'30" E	Belam	Dug Well
BAR SAHI	21°39'40" N	86°47'28" E	Manitri (Mallihati)	Dug Well
BAR SAHI	21°48'32" N	86°40'3" E	Hatibandha	Dug Well
BAR SAHI	21°46'13" N	86°41'52" E	Baidipur	Dug Well
BARIPADA	21°55'14" N	86°44'21" E	Baripada 1	Dug Well I
BARIPADA	21°58'58" N	86°47'34" E	Dahisahi (Banki sole)	Dug Well
BARIPADA	21°56'40" N	86°47'52" E	Baura	Dug Well
BARIPADA	21°55'18" N	86°42'52" E	(Astia) Baripada	Dug Well
BETA NATI	21°35'13" N	86°55'43" E	Kalana	Dug Well
BETA NATI	21°49'28" N	86°49'22" E	Krishnachandrap	Dug Well
BETA NATI	21°44'8" N	86°51'10" E	Betanoti	Dug Well
BETA NATI	21°39'30" N	86°54'30" E	Hatjori	Dug Well
BIJA TOLA	22°20'2" N	86°16'35" E	Gorumahisani	Dug Well
BIJA TOLA	22°14'7" N	86°13'43" E	Bademtolia	Dug Well I

MAYURBHANJ				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
BISOI	22°14'43" N	86°16'48" E	Ambadiha	Dug Well
BISOI	22°7'6" N	86°18'36" E	Bhatachhatra	Dug Well
BISOI	22°9'45" N	86°24'25" E	Bisoi	Dug Well
BISOI	22°12'12" N	86°18'33" E	Karanjei-Bijatola Chhak	Dug Well
BISOI	22°4'50" N	86°14'8" E	Badampahad-1	Dug Well
BISOI	22°4'49" N	86°13'49" E	Manda	Dug Well
GOPA BANDHU NAGAR	21°42'43" N	86°37'34" E	Khunta	Dug Well
GOPA BANDHU NAGAR	21°39'0" N	86°39'0" E	Similibandh	Dug Well
JAMDA	22°16'28" N	86°4'18" E	Jamda	Dug Well
JAMDA	22°16'33" N	86°4'14" E	Jamda 1	Dug Well
JAMDA	22°21'45" N	86°2'5" E	Moranda	Dug Well
JASHI PUR	21°58'8" N	86°5'52" E	Padampur	Dug Well
JASHI PUR	21°56'12" N	86°6'3" E	Matigarh	Dug Well
JASHI PUR	21°59'12" N	86°1'6" E	Mananda	Dug Well
JASHI PUR	22°0'0" N	86°8'37" E	Begna	Dug Well
JASHI PUR	22°1'9" N	86°4'55" E	Jamukeswar	Dug Well
KAPTIPADA	21°31'3" N	86°31'50" E	Kaptipada 1	Dug Well
KAPTIPADA	21°33'31" N	86°29'25" E	Talia	Dug Well
KAPTIPADA	21°33'0" N	86°28'0" E	Poradiha	Dug Well
KAPTIPADA	21°32'45" N	86°32'6" E	Udala	Dug Well
KAPTIPADA	21°33'43" N	86°30'30" E	Kukurdimia	Dug Well
KARANJIA	21°54'16" N	86°2'29" E	Tongabila Chhak	Dug Well
KARANJIA	21°50'38" N	86°1'5" E	Tato	Dug Well
KARANJIA	21°41'13" N	86°6'22" E	Kendumundi	Dug Well
KARANJIA	21°53'51" N	86°2'23" E	Vejidiha	Dug Well
KARANJIA	21°49'7" N	85°49'43" E	Chadheibhol	Dug Well
KHUNTA	21°36'32" N	86°39'32" E	Keshapur(Jaypur)	Dug Well
KHUNTA	21°39'37" N	86°36'12" E	Dhampur	Dug Well
KHUNTA	21°47'30" N	86°39'42" E	Dukura	Dug Well
KHUNTA	21°38'5" N	86°35'30" E	Brundabanchan	Dug Well
KOLIANA	22°7'20" N	86°37'41" E	Pathuri	Dug Well
KOLIANA	22°4'8" N	86°38'55" E	Kuliana	Dug Well
KOLIANA	21°59'48" N	86°41'59" E	Kuchei	Dug Well
KUSUMI	22°12'16" N	86°8'0" E	Naujara	Dug Well
KUSUMI	22°8'20" N	86°5'43" E	Kherna	Dug Well
MURUDA	21°50'37" N	86°56'7" E	Vurusani	Dug Well
MURUDA	21°49'33" N	86°58'52" E	Badasahi	Dug Well
MURUDA	21°51'55" N	86°52'10" E	Nechuapada	Dug Well
MURUDA	21°50'37" N	86°56'7" E	Sirsapal	Dug Well
MURUDA	21°48'18" N	86°50'46" E	Dantiamuhani	Dug Well
MURUDA	21°51'15" N	86°57'10" E	Chitrada	Dug Well
RAIRANG PUR	22°16'10" N	86°8'7" E	Champrai	Dug Well

MAYURBHANJ				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
RAIRANG PUR	22°17'13" N	86°9'30" E	Purunapani	Dug Well
RAIRANG PUR	22°12'44" N	86°8'19" E	Pandugandi	Dug Well
RAIRANG PUR	22°18'15" N	86°12'40" E	Niranjan	Dug Well
RARUAN	21°58'21" N	85°53'27" E	Jhunkapal	Dug Well
RARUAN	21°59'12" N	85°57'15" E	Itighar	Dug Well
RARUAN	21°55'38" N	85°50'8" E	Khiching	Dug Well
RASA- GOBINDAPUR	21°47'42" N	87°1'42" E	Devsol	Dug Well
RASA- GOBINDAPUR	21°47'2" N	87°2'43" E	Rashgovindpur 1	Dug Well
RASA- GOBINDAPUR	21°47'30" N	87°7'52" E	Amarda village	Dug Well
RASA- GOBINDAPUR	21°50'5" N	87°6'32" E	Tikapada (Balisahi)	Dug Well
SAMAKHUNTA	21°55'45" N	86°40'50" E	Shamakunta	Dug Well
SAMAKHUNTA	21°55'55" N	86°40'51" E	Sapanpuar	Dug Well
SAMAKHUNTA	21°55'55" N	86°35'20" E	Pithabata	Dug Well
SARAS KANA	22°14'24" N	86°38'23" E	Nuagaon	Dug Well
SARAS KANA	22°12'25" N	86°38'13" E	Badchatra	Dug Well
SARAS KANA	22°14'35" N	86°36'42" E	Brushavanupur	Dug Well
SARAS KANA	22°9'25" N	86°31'50" E	Bangriposi	Dug Well
SUKRULI	21°58'19" N	85°47'0" E	Singada Chhak	Dug Well
SUKRULI	21°57'23" N	85°51'44" E	Raruan	Dug Well
SUKRULI	21°51'44" N	85°48'46" E	Indupur	Dug Well
SULIA PADA	21°57'42" N	86°50'45" E	Mundripal (Bankisole)	Dug Well
SULIA PADA	21°58'0" N	86°57'0" E	Kostha	Dug Well
SULIA PADA	22°1'18" N	86°57'13" E	Sullyapada	Dug Well
SULIA PADA	22°2'10" N	86°53'59" E	Charchakia	Dug Well
SULIA PADA	21°59'15" N	86°55'57" E	Pakatia	Dug Well
SULIA PADA	21°58'50" N	87°1'10" E	Bagra	Dug Well
SULIA PADA	22°2'14" N	86°49'7" E	Deoli	Dug Well
THAKUR MUNDA	21°28'19" N	86°9'32" E	Taramara	Dug Well
THAKUR MUNDA	21°39'12" N	86°5'56" E	Asanbani	Dug Well
THAKUR MUNDA	21°21'28" N	86°8'52" E	Satkosia	Dug Well
THAKUR MUNDA	21°16'44" N	86°11'17" E	Nada	Dug Well
THAKUR MUNDA	21°25'40" N	86°9'57" E	Mahuldia	Dug Well
THAKUR MUNDA	21°31'6" N	86°9'30" E	Thakurmunda	Dug Well
THAKUR MUNDA	21°29'20" N	86°14'30" E	Champajhar	Dug Well
THAKUR MUNDA	21°38'6" N	86°6'30" E	Kendujani	Dug Well
TIRINGI	22°31'20" N	86°4'48" E	Tiring	Dug Well
TIRINGI	22°25'5" N	86°4'33" E	Nischintapur	Dug Well
UDALA	21°34'21" N	86°32'28" E	Urmala	Dug Well
NANDAHANDI	19°14'5" N	82°34'18" E	Rangamatiguda	Dug Well
PAPARAHANDI	19°19'5" N	82°25'57" E	Dengaguda	Dug Well
PAPARAHANDI	19°28'2" N	82°34'32" E	Maidalpur1	Dug Well

MAYURBHANJ				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
PAPARAHANDI	19°21'0" N	82°31'19" E	Papadahandi1	Dug Well
RAIGHAR	19°52'37" N	82°5'5" E	Raighar	Dug Well
TENTULIKHUNTI	19°18'16" N	82°43'16" E	Tentulikunti 1	Dug Well
TENTULIKHUNTI	19°19'25" N	82°40'42" E	Anchalguma1	Dug Well
TENTULIKHUNTI	19°17'16" N	82°43'9" E	Udaipur	Dug Well
TENTULIKHUNTI	19°16'2" N	82°42'33" E	Digi	Dug Well
UMARKOTE	19°41'58" N	82°7'47" E	Bhaskel-dam sit	Dug Well
UMARKOTE	19°39'50" N	82°12'25" E	Umarkot	Dug Well
UMARKOTE	19°39'35" N	82°4'10" E	Dondasora	Dug Well
UMARKOTE	19°39'35" N	82°12'46" E	Baheda	Dug Well

NABARANGAPUR				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
DABUGAN	19°27'10" N	82°24'30" E	Debugaon	Dug Well
JHARIGAN	19°38'49" N	82°23'37" E	Fufugaon	Dug Well
JHARIGAN	19°42'42" N	82°22'6" E	Jharigan	Dug Well
KOSAGUMUDA	19°18'12" N	82°20'45" E	Kodinga	Dug Well
KOSAGUMUDA	19°16'33" N	82°14'16" E	Kosagumunda 1	Dug Well
KOSAGUMUDA	19°16'35" N	82°14'54" E	Kosagumuda	Bore Well
KOSAGUMUDA	19°13'28" N	82°21'39" E	Karchamal	Dug Well
KOSAGUMUDA	19°18'6" N	82°18'8" E	Dadia-Majhiguda	Dug Well
NABARANGAPUR	19°14'9" N	82°32'56" E	Nowrangpur 1	Dug Well
NABARANGAPUR	19°12'36" N	82°26'49" E	Sonamasigan 1	Dug Well
NABARANGAPUR	19°19'13" N	82°23'31" E	Baksaguda	Dug Well
NANDAHANDI	19°14'37" N	82°39'19" E	Sagarmunda	Dug Well
NANDAHANDI	19°14'13" N	82°40'12" E	Nandahandi	Dug Well
NANDAHANDI	19°12'44" N	82°33'51" E	Daibata	Dug Well
NANDAHANDI	19°15'2" N	82°35'41" E	Kurlaghati	Dug Well

NAYAGARH				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
BHAPUR	20°17'15" N	85°17'38" E	Bhapur1	Dug Well
BHAPUR	20°21'30" N	85°11'30" E	Kantilo	Dug Well
BHAPUR	20°19'39" N	85°15'34" E	Nuabausabati (upper Bausabati)	Dug Well
BHAPUR	20°15'54" N	85°10'30" E	Khandapada	Dug Well
DASAPALLA	20°22'18" N	84°46'59" E	Rangamatia	Dug Well
DASAPALLA	20°20'14" N	84°51'25" E	Daspalla-i	Dug Well
DASAPALLA	20°20'29" N	84°55'36" E	Madhyakhand 2	Dug Well
DASAPALLA	20°23'48" N	84°37'18" E	Kuluru Kumpa	Dug Well
DASAPALLA	20°19'44" N	84°51'13" E	Daspalla Market	Dug Well
DASAPALLA	20°24'20" N	84°39'58" E	Durga Prasad	Dug Well

NAYAGARH				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
DASAPALLA	20°21'34" N	84°48'27" E	Kuanria	Dug Well
DASAPALLA	20°19'2" N	84°54'25" E	Subalaya	Dug Well
DASAPALLA	20°20'15" N	84°52'1" E	Jogibandh	Dug Well
GANIA	20°21'1" N	84°57'11" E	Ghholahandi	Dug Well
GANIA	20°21'40" N	84°58'51" E	Adakata	Dug Well
GANIA	20°24'12" N	85°2'42" E	Gania	Dug Well
GANIA	20°24'16" N	84°45'34" E	Takara	Dug Well
GANIA	20°23'35" N	85°4'31" E	Kishore Prasad	Dug Well
GANIA	20°23'43" N	84°35'22" E	Banigocha	Dug Well
KHANDAPADA	20°21'38" N	85°1'36" E	Kumbharpara	Dug Well
KHANDAPADA	20°22'4" N	85°8'20" E	Gamasalia (Dhipisahi)	Dug Well
KHANDAPADA	20°22'24" N	85°1'45" E	Jhada Gadia	Dug Well
KHANDAPADA	20°15'46" N	85°10'25" E	Benagadia	Dug Well
KHANDAPADA	20°22'48" N	85°6'33" E	Kana Singhi	Dug Well
NAYAGARH	20°4'38" N	85°12'18" E	Andapali	Dug Well
NAYAGARH	20°9'1" N	85°10'13" E	Bada-Pandeswar	Dug Well
NAYAGARH	20°6'17" N	85°5'1" E	Sarak Sahi	Dug Well
NAYAGARH	20°7'37" N	85°0'8" E	Nayagarh 3	Dug Well
NAYAGARH	20°7'43" N	85°7'7" E	Nayagarh	Dug Well
NAYAGARH	20°3'26" N	85°5'17" E	Kalyanpur li	Dug Well
NAYAGARH	20°8'5" N	85°8'25" E	Itamati (Manjuriapali)	Dug Well
NAYAGARH	20°9'18" N	85°11'25" E	Purusottampur	Dug Well
NUAGAON	20°9'50" N	84°59'50" E	Mahipur	Dug Well
NUAGAON	20°12'9" N	84°58'47" E	Sampada	Dug Well
NUAGAON	20°15'10" N	84°58'22" E	Nuagaon1	Dug Well
ODAGAON	20°0'32" N	85°0'50" E	Gasisevipur	Dug Well
ODAGAON	20°1'50" N	85°5'48" E	Sarankul	Dug Well
ODAGAON	20°4'34" N	85°5'32" E	Solopata	Dug Well
ODAGAON	20°1'18" N	84°59'0" E	Odagaon	Dug Well
ODAGAON	20°1'18" N	84°59'0" E	Odogaon-PZ	Bore Well
RANAPUR	20°6'55" N	85°20'24" E	Koilama	Dug Well
RANAPUR	20°4'31" N	85°14'23" E	Darpa-Narayanpur 1	Dug Well
RANAPUR	20°4'15" N	85°19'11" E	Sanagada	Dug Well
RANAPUR	20°3'32" N	85°20'13" E	Ranpur 1	Dug Well
RANAPUR	20°4'8" N	85°21'15" E	Ranpur	Dug Well
RANAPUR	20°3'55" N	85°17'44" E	Bherupada	Dug Well
RANAPUR	20°6'27" N	85°9'12" E	Lathipada 1	Dug Well
RANAPUR	20°7'37" N	85°6'20" E	Raj Sunakhala	Dug Well

NUAPADA				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
KHARIAR	20°23'0" N	82°41'12" E	Bada-Maheswar	Dug We ll
KHARIAR	20°17'40" N	82°45'37" E	Khariar	Dug Well
KHARIAR	20°18'40" N	82°41'21" E	Khudpej	Dug Well
KHARIAR	20°16'43" N	82°46'33" E	Ranipur	Dug Well
KHARIAR	20°18'26" N	82°48'3" E	Junani	Dug Well
KHARIAR	20°17'49" N	82°46'34" E	Padampur	Dug Well
KHARIAR	20°22'25" N	82°42'3" E	Sanmaheswar	Dug Well
KHARIAR	20°17'11" N	82°45'44" E	Loharpalli	Dug Well
KHARIAR	20°16'8" N	82°47'33" E	Lachhipur	Dug Well
KHARIAR	20°15'40" N	82°50'20" E	Tukla	Dug Well
KHARIAR	20°20'25" N	82°41'45" E	Bargaon-k	Dug Well
KHARIAR	20°22'53" N	82°49'12" E	Rishigaon	Dug Well
KOMANA	20°43'8" N	82°35'13" E	Kurumpuri	Dug Well
KOMANA	20°37'58" N	82°36'55" E	Tarbod	Dug Well
KOMANA	20°30'5" N	82°40'22" E	Komna1	Dug Well
KOMANA	20°21'41" N	82°42'16" E	Deobahal	Dug Well
NUAPADA	20°50'44" N	82°32'34" E	Patparpali	Dug Well
NUAPADA	20°52'18" N	82°30'3" E	Gotama	Dug Well
NUAPADA	20°51'45" N	82°31'56" E	Kalyanpur	Dug Well
NUAPADA	20°49'41" N	82°40'40" E	Sahipala	Dug Well
NUAPADA	20°44'47" N	82°35'50" E	Somarsingh	Dug Well
NUAPADA	20°44'23" N	82°26'34" E	Potora	Dug Well
NUAPADA	20°44'3" N	82°25'31" E	Dharambandah	Dug Wel l
NUAPADA	20°49'38" N	82°29'22" E	Bhajipala	Dug Well
NUAPADA	20°47'52" N	82°32'10" E	Nawapara	Dug Well
NUAPADA	20°49'13" N	82°33'57" E	Godphula	Dug Well
SINAPALI	20°5'51" N	82°41'49" E	Ghantiguda	Dug Well
SINAPALI	20°6'8" N	82°35'45" E	Nilji	Dug Well

PURI				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
ASTARANGA	19°59'8" N	86°14'22" E	Juinti	Dug Well
ASTARANGA	19°56'24" N	86°10'57" E	Tikarpara1	Dug We ll
ASTARANGA	19°58'50" N	86°16'30" E	Astarang	Dug Well
BRAHMAGIRI	19°43'46" N	85°32'40" E	Gola	Dug Well
BRAHMAGIRI	19°47'55" N	85°39'55" E	Brahmagiri	Dug W ell
BRAHMAGIRI	19°48'32" N	85°44'25" E	Budhiabar	Dug We ll
BRAHMAGIRI	19°48'45" N	85°45'44" E	Alipada	Dug Well
BRAHMAGIRI	19°48'40" N	85°46'15" E	Girala	Dug Well
BRAHMAGIRI	19°47'59" N	85°42'11" E	Rebana nuagaon	D ug Well
BRAHMAGIRI	19°48'1" N	85°42'22" E	Rendagada	Dug Wel l
BRAHMAGIRI	19°46'48" N	85°36'20" E	Gokhara	Dug Well
CHILIKA LAKE	19°40'16" N	85°26'54" E	Satapada-I	Dug Well

PURI				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
DELANGA	20°2'10" N	85°46'10" E	Delang	Dug Well
DELANGA	20°3'20" N	85°45'15" E	Ramchandrapur	Dug Well
DELANGA	20°3'20" N	85°45'15" E	Kalyanpur	Dug Well
GOP	19°55'30" N	85°59'30" E	Madrang	Dug Well
GOP	19°50'40" N	85°54'41" E	Baleshwarpatna	Dug Well
GOP	19°51'28" N	85°56'33" E	Balighai	Dug Well
GOP	19°58'48" N	86°1'8" E	Gop 1	Dug Well
GOP	19°54'17" N	85°57'52" E	Mahapur	Dug Well
GOP	19°51'15" N	86°3'40" E	Ramchandi	Dug Well
KAKAT PUR	19°59'58" N	86°11'40" E	Kakatpur li	Dug Well
KAKAT PUR	19°53'11" N	86°5'48" E	Konark 1	Dug Well
KAKAT PUR	19°53'46" N	86°7'46" E	Kurujanga	Dug Well
KAKAT PUR	20°1'26" N	86°11'17" E	Nilakanthapur OW	Bore Well
KAKAT PUR	20°2'8" N	86°7'38" E	Jogeswarpur	Dug Well
KAKAT PUR	20°0'52" N	86°10'13" E	Jagannathpur	Dug Well
KANAS	20°5'58" N	85°47'59" E	Kanas	Dug Well
NIMAPADA	20°2'30" N	86°4'30" E	Chhanijanga	Dug Well
NIMAPADA	20°3'34" N	86°5'9" E	Charichhak	Dug Well
NIMAPADA	20°6'37" N	85°52'23" E	Haripur	Dug Well
NIMAPADA	20°4'12" N	86°4'18" E	Bisimatri	Dug Well
NIMAPADA	20°1'5" N	85°57'11" E	Tihula Ow	Bore Well
NIMAPADA	20°2'16" N	86°0'2" E	Patapur	Dug Well
NIMAPADA	20°5'30" N	85°55'11" E	Garapada	Dug Well
NIMAPADA	20°2'20" N	85°53'10" E	Balanga 1	Dug Well
NIMAPADA	20°3'16" N	86°0'12" E	Nimapara 2	Dug Well
PIPIL	20°8'3" N	85°48'50" E	Dhauri	Dug Well
PIPIL	19°59'39" N	85°48'0" E	Maunimatha	Dug Well
PIPIL	20°8'31" N	85°45'18" E	Burhapara 1	Dug Well
PIPIL	20°8'0" N	85°44'32" E	Harirajpur	Dug Well
PIPIL	20°4'51" N	85°49'56" E	Dandamukundpur	Dug Well
PIPIL	20°6'56" N	85°50'2" E	Pipli	Dug Well
PIPIL	20°2'55" N	85°49'45" E	Mangalpur	Dug Well
SADAR	19°48'51" N	85°48'23" E	Totasahi	Dug Well
SADAR	19°49'25" N	85°50'54" E	P-42 Balighat	Dug Well
SADAR	19°53'56" N	85°46'47" E	Pratapramchandr	Dug Well
SADAR	19°47'54" N	85°48'49" E	P-07 Gauda Bada Sahi	Dug Well
SADAR	19°53'27" N	85°48'54" E	Chandanpur	Dug Well
SADAR	19°49'56" N	85°52'22" E	Baliguari	Dug Well
SADAR	19°48'47" N	85°48'53" E	P-46 Behrasahi	Dug Well
SADAR	19°48'11" N	85°49'33" E	P-47 Ramchandisahi	Dug Well
SADAR	19°48'25" N	85°50'46" E	P-48 Sonar Gauranga	Dug Well
SADAR	19°48'13" N	85°48'49" E	P-50 Baselisahi	Dug Well
SADAR	19°52'36" N	85°49'3" E	Tulasichoura-	Dug Well

PURI				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
			Malatipatapur	
SADAR	19°48'16" N	85°49'24" E	P-49 Dola Mandap Sahi	Dug Well
SADAR	19°48'18" N	85°48'15" E	P-51 Loknath Temple	Bore Well
SADAR	19°50'1" N	85°50'10" E	P-01 Krupa Sindura Patna	Dug Well
SADAR	19°47'43" N	85°47'0" E	P-32 Gobardhan Matha	Dug Well
SADAR	19°48'51" N	85°48'23" E	P-18 Tota Sahi	Dug Well
SADAR	19°49'27" N	85°51'15" E	P-21 Sriram Talkies Chhak	Dug Well
SADAR	19°48'45" N	85°49'56" E	P-24 Balagandi	Dug Well
SADAR	19°48'51" N	85°49'37" E	P-16 Narendra Kona	Dug Well
SADAR	19°48'38" N	85°49'29" E	P-37 Jagannatha Ballava Matha	Dug Well
SADAR	19°48'15" N	85°48'23" E	P-06 Chhapana Chhak	Dug Well
SADAR	19°48'46" N	85°48'38" E	P-17 Masania Chhak	Dug Well
SADAR	19°48'20" N	85°51'3" E	P-12 ITI Chhak	Dug Well
SADAR	19°49'9" N	85°50'49" E	P-34 Sidha Mahavir	Dug Well
SADAR	19°49'0" N	85°48'23" E	P-19 Kashi Jagannathpur	Dug Well
SADAR	19°49'5" N	85°49'50" E	P-35 Indira Mark Colony	Dug Well
SADAR	19°48'38" N	85°49'47" E	P-23 Hara Gouri Sahi	Dug Well
SADAR	19°49'23" N	85°52'15" E	P-33 Sorbodaya Nagar	Dug Well
SADAR	19°48'21" N	85°50'32" E	P-11 Sadar Block Colony	Dug Well
SADAR	19°48'43" N	85°49'41" E	P-41 Grand Road	Dug Well
SADAR	19°48'36" N	85°49'50" E	P-03 Police Lane	Dug Well
SADAR	19°48'4" N	85°49'7" E	P-31 Sweta Ganga	Dug Well
SADAR	19°48'56" N	85°49'55" E	P-36 Kumbharapada	Dug Well
SADAR	19°48'20" N	85°49'4" E	P-30 Jagannath Temple	Dug Well
SADAR	19°48'37" N	85°50'20" E	P-45 Balipur	Dug Well
SADAR	19°48'23" N	85°49'8" E	P-44 Jagannath temple	Dug Well
SATYABADI	19°58'20" N	85°49'20" E	Sadanandapur	Dug Well
SATYABADI	19°57'15" N	85°46'45" E	Nuasomeswarpur	Dug Well
SATYABADI	19°56'57" N	85°49'22" E	Uansdiha	Dug Well
SATYABADI	19°56'29" N	85°49'56" E	Sakhigopal	Dug Well
SATYABADI	19°56'58" N	85°44'52" E	Algum	Dug Well
SATYABADI	19°55'47" N	85°42'29" E	Sukal Ow	Bore Well
SATYABADI	19°55'15" N	85°49'30" E	Biragobind(Dakhi na Kali)	Dug Well
SATYABADI	19°57'0" N	85°48'32" E	Sakhigopal 3	Dug Well

RAYAGADA				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
GUNUPUR	19°46' N	83°48'42" E	Gunupur1	Dug Well
GUNUPUR	19°10'9" N	83°50'29" E	Dambasara	Dug Well
KALYANASINGHPUR	19°31'18" N	83°19'20" E	Kalyansingh pur	Dug Well
KASHIPUR	19°14'27" N	83°6'43" E	Gorakhpur	Dug Well
KASHIPUR	19°21'15" N	83°7'11" E	Kashipur	Dug Well
KASHIPUR	19°10'49" N	83°8'10" E	Kaliapada	Dug Well
KOLNARA	19°16'34" N	83°36'37" E	Minajhola	Dug Well
KOLNARA	19°13'32" N	83°33'32" E	Mukundpur	Dug Well
KOLNARA	19°19'40" N	83°26'28" E	Therabali	Dug Well
MUNIGUDA	19°50'7" N	83°27'29" E	Ambadola	Dug Well
PADMAPUR	19°16'25" N	83°51'31" E	Akhusingi	Dug Well
PADMAPUR	19°21'40" N	83°58'0" E	Narainpur	Dug Well
PADMAPUR	19°14'27" N	83°49'20" E	Padampur2	Dug Well
PADMAPUR	19°18'27" N	83°54'2" E	Kenduguda	Dug Well
PADMAPUR	19°12'26" N	83°50'18" E	Nua Dakasikula	Dug Well
RAMANGUDA	19°13'17" N	83°41'35" E	Chakunda	Dug Well
RAMANGUDA	19°13'12" N	83°46'18" E	Gumda	Dug Well
RAMANGUDA	19°13'21" N	83°40'34" E	Ramnaguda2	Dug Well
RAMANGUDA	19°11'36" N	83°20'43" E	Kodapadu	Dug Well
RAMANGUDA	19°12'21" N	83°42'32" E	Bangi Chowk	Dug Well
RAMANGUDA	19°16'12" N	83°38'17" E	Tandikana	Dug Well
RAYAGADA	19°11'40" N	83°17'18" E	Gumma	Dug Well
RAYAGADA	19°10'32" N	83°22'41" E	Shirikona	Dug Well

SAMBALPUR				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
BAMRA	22°6'15" N	84°16'19" E	Bampeii	Dug Well
BAMRA	21°54'50" N	84°23'15" E	Kesaibahal	Dug Well
BAMRA	22°3'2" N	84°17'25" E	Bamra	Dug Well
DHANKAUDA	21°35'37" N	84°1'25" E	Gunchamal	Dug Well
DHANKAUDA	21°28'10" N	84°0'6" E	Dhanakauda	Dug Well
DHANKAUDA	21°26'33" N	83°54'53" E	Baijamunda	Dug Well
DHANKAUDA	21°25'34" N	83°53'17" E	Babubandha	Dug Well
DHANKAUDA	21°35'26" N	84°0'34" E	Goudpalli 1	Dug Well
DHANKAUDA	21°33'5" N	83°58'38" E	Jamadarpali	Dug Well
DHANKAUDA	21°35'41" N	84°0'3" E	Pitapali	Dug Well
DHANKAUDA	21°31'43" N	83°58'55" E	Golgunda	Dug Well
DHANKAUDA	21°31'38" N	83°58'58" E	Jugipali	Dug Well
DHANKAUDA	21°31'30" N	83°54'15" E	Christianpara	Dug Well
DHANKAUDA	21°37'55" N	84°2'58" E	Rengali	Dug Well
DHANKAUDA	21°31'50" N	83°53'50" E	Hirakud	Dug Well
DHANKAUDA	21°32'54" N	84°2'30" E	Sason1	Dug Well
DHANKAUDA	21°28'23" N	83°57'37" E	Sambalpur	Dug Well

SAMBALPUR				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
JAMANKIRA	21°33'2" N	84°21'12" E	Kuagola	Dug Well
JAMANKIRA	21°26'14" N	84°1'59" E	Katar Kela	Dug Well
JAMANKIRA	21°36'23" N	84°28'17" E	Kansabahal Sahi	Dug Well
JAMANKIRA	21°32'11" N	84°24'4" E	Jamankira 1	Dug Well
JAMANKIRA	21°42'49" N	84°22'46" E	Subarna Pali	Dug Well
JAMANKIRA	21°27'52" N	84°13'50" E	Kadalipali	Dug Well
JUJOMURA	21°14'7" N	84°7'52" E	Jujumura village	Dug Well
JUJOMURA	21°18'54" N	84°6'23" E	Hathibari	Dug Well
JUJOMURA	21°19'48" N	84°18'41" E	Amlipani	Dug Well
JUJOMURA	21°26'40" N	84°4'15" E	Jayantpur	Dug Well
JUJOMURA	21°25'14" N	84°6'5" E	Jhargulanda 1	Dug Well
JUJOMURA	21°23'54" N	84°7'56" E	Badsahir	Dug Well
JUJOMURA	21°22'36" N	84°4'10" E	Bhabanipali	Dug Well
JUJOMURA	21°26'51" N	84°10'57" E	Malgun	Dug Well
JUJOMURA	21°27'0" N	84°8'57" E	Padiabahal	Dug Well
JUJOMURA	21°11'48" N	84°9'59" E	Koakud	Dug Well
JUJOMURA	21°17'5" N	84°7'52" E	Gargarbahal	Dug Well
JUJOMURA	21°27'30" N	84°6'40" E	Nildungri	Dug Well
KOCHINDA	21°50'54" N	84°22'20" E	Nagadihi Chawk	Dug Well
KOCHINDA	21°45'53" N	84°31'39" E	Kusumi	Dug Well
KOCHINDA	21°48'7" N	84°21'31" E	Paruabhari 1	Dug Well
KOCHINDA	21°44'33" N	84°20'54" E	Kuchinda	Dug Well
KOCHINDA	21°45'8" N	84°26'37" E	Loiraguna	Dug Well
KOCHINDA	21°42'49" N	84°22'46" E	Boxma	Dug Well
KOCHINDA	21°46'47" N	84°18'17" E	Telitilamal	Dug Well
MANESWAR	21°21'0" N	84°0'7" E	Baduapali	Dug Well
MANESWAR	21°20'22" N	83°58'51" E	Bausenmura	Dug Well
MANESWAR	21°25'38" N	84°0'51" E	Naxapali	Dug Well
MANESWAR	21°19'31" N	83°57'17" E	Chhachanpali	Dug Well
MANESWAR	21°21'24" N	83°58'13" E	Khunti	Dug Well
MANESWAR	21°14'19" N	83°56'20" E	Gainpura	Dug Well
MANESWAR	21°24'22" N	83°59'45" E	Maltisubanpur	Dug Well
MANESWAR	21°20'38" N	83°53'11" E	Chiplima	Dug Well
MANESWAR	21°11'55" N	83°55'8" E	Hotapala	Dug Well
MANESWAR	21°10'55" N	83°54'45" E	Larasara	Dug Well
MANESWAR	21°20'25" N	83°57'51" E	Sahaspur	Dug Well
MANESWAR	21°24'30" N	83°59'17" E	Gunderpur 1	Dug Well
MANESWAR	21°15'10" N	83°55'40" E	Dhama	Dug Well
MANESWAR	21°30'8" N	83°56'35" E	Remerha	Dug Well
MANESWAR	21°22'2" N	83°59'0" E	Batemura	Dug Well
MANESWAR	21°20'27" N	84°2'24" E	Jhankarbahali	Dug Well
MANESWAR	21°27'27" N	84°1'55" E	Dandeipalli	Dug Well
MANESWAR	21°22'50" N	83°53'15" E	Rupapali	Dug Well
MANESWAR	21°25'43" N	84°4'12" E	Bhoipali	Dug Well

SAMBALPUR				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
MANESWAR	21°31'24" N	84°6'2" E	Parmanpur	Dug Well
MANESWAR	21°25'52" N	84°3'39" E	Talpali	Dug Well
MANESWAR	21°25'38" N	84°2'13" E	Maneswar 1	Dug Well
MANESWAR	21°18'39" N	83°56'50" E	Baragaon	Dug Well
MANESWAR	21°26'39" N	83°59'27" E	Dhanupalli	Dug Well
MANESWAR	21°25'33" N	83°53'58" E	Gosala	Dug Well
MANESWAR	21°22'52" N	83°59'46" E	Gutanpada	Dug Well
MANESWAR	21°13'6" N	83°54'59" E	Deogaon	Dug Well
MANESWAR	21°28'20" N	83°58'40" E	Dhankauda	Bore Well
NAKTIDEUL	21°22'21" N	84°21'57" E	Simlipal Chawk	Dug Well
NAKTIDEUL	21°16'30" N	84°33'47" E	Chandrapura	Dug Well
NAKTIDEUL	21°12'47" N	84°29'5" E	Majhipal	Dug Well
NAKTIDEUL	21°6'53" N	84°23'19" E	Terebera	Dug Well
NAKTIDEUL	21°15'20" N	84°32'26" E	Naktideol	Dug Well
NAKTIDEUL	21°10'7" N	84°25'56" E	Daincha	Dug Well
RAIRAKHOL	21°6'15" N	84°12'40" E	Charmal	Dug Well
RAIRAKHOL	21°10'15" N	84°9'50" E	Mochibahal	Dug Well
RAIRAKHOL	21°4'0" N	84°20'0" E	Rairakhol(rampu	Dug Well
RAIRAKHOL	21°4'12" N	84°24'15" E	Luhapank	Dug Well
RAIRAKHOL	21°4'48" N	84°22'0" E	Bhaluchuan	Dug Well
RAIRAKHOL	21°4'0" N	84°20'0" E	Rairakhol	Bore Well
RENGALI	21°33'35" N	84°7'22" E	Barodungri (Orampara)	Dug Well

SONAPUR				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
BINIKA	20°57'28" N	83°48'13" E	Saledi	Dug Well
BINIKA	20°55'9" N	83°48'4" E	Karttanga	Dug Well
BINIKA	21°4'9" N	83°47'5" E	Bishalpali	Dug Well
BINIKA	21°2'53" N	83°46'51" E	Antarda	Dug Well
BINIKA	20°55'38" N	83°47'42" E	Mahadevpali	Dug Well
BINIKA	21°6'2" N	83°41'26" E	Rampur	Dug Well
BINIKA	21°6'55" N	83°44'3" E	Bagdiha	Dug Well
BINIKA	21°5'0" N	83°44'22" E	Singhijuba	Dug Well
BINIKA	20°55'55" N	83°47'12" E	Sansamura	Dug Well
BINIKA	21°6'40" N	83°47'2" E	Sarangapali	Dug Well
BINIKA	21°5'40" N	83°48'58" E	Ankhidadar	Dug Well
BINIKA	20°59'37" N	83°46'18" E	Sankara1	Dug Well
BINIKA	20°58'55" N	83°44'41" E	Koiramunda 1	Dug Well
BINIKA	20°55'29" N	83°46'41" E	Sakama	Dug Well
BINIKA	20°57'13" N	83°46'15" E	Bausuni	Dug Well
BIRAMAHAJAPUR	20°55'10" N	84°15'54" E	Gariamunda	Dug Well
BIRAMAHAJAPUR	20°54'27" N	84°10'37" E	Tebhapadar	Dug Well
BIRAMAHAJAPUR	20°52'15" N	84°7'5" E	Jatesingha	Dug Well

SONAPUR				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
BIRAMAHARAJPUR	20°55'37" N	84°3'32" E	Biramaharajpu r	Dug Well
BIRAMAHARAJPUR	20°53'38" N	84°10'5" E	Subalaya	Dug Well
DUNGURIPALI	21°3'29" N	83°38'10" E	Baghahandi	Dug Well
DUNGURIPALI	20°59'41" N	83°32'45" E	Charuapali (new)	Dug Well
DUNGURIPALI	21°2'49" N	83°32'5" E	Gambharipalli	Dug Well
DUNGURIPALI	21°3'40" N	83°35'53" E	Samalaichuan	Dug Well
DUNGURIPALI	21°4'48" N	83°33'40" E	Chandajhuri	Dug Well
DUNGURIPALI	21°0'42" N	83°27'55" E	Karlajuri	Dug Well
DUNGURIPALI	21°2'15" N	83°27'53" E	Ichhapur1	Dug Well
DUNGURIPALI	21°2'49" N	83°33'9" E	Dunguripalli New	Dug Well
DUNGURIPALI	21°0'55" N	83°39'32" E	Gajabandhu	Dug Well
DUNGURIPALI	21°7'0" N	83°39'58" E	Sarasmal	Dug Well
DUNGURIPALI	21°1'0" N	83°42'3" E	Bhimitkra	Dug Well
DUNGURIPALI	21°4'15" N	83°40'0" E	Barkarle	Dug Well
SONEPUR	20°53'49" N	83°45'27" E	Khaliapali	Dug Well
SONEPUR	20°56'33" N	83°46'12" E	Borumunda	Dug Well
SONEPUR	20°53'17" N	83°48'59" E	Dhurakhaman	Dug Well
SONEPUR	20°52'28" N	83°49'20" E	Nandanamal	Dug Well
SONEPUR	20°51'16" N	83°49'22" E	Arjunpur	Dug Well
SONEPUR	20°49'0" N	83°45'48" E	Bagduli	Dug Well
TARBHA	20°42'25" N	83°40'19" E	Sargaj 1	Dug Well
TARBHA	20°39'8" N	83°39'3" E	Palsapadar	Dug Well
ULUNDA	20°54'47" N	83°54'40" E	Naikpada	Dug Well
ULUNDA	20°58'23" N	83°53'38" E	Ulunda	Dug Well
ULUNDA	21°5'5" N	83°51'25" E	Sindol	Dug Well
ULUNDA	21°1'46" N	83°48'45" E	Binika	Dug Well
ULUNDA	20°59'42" N	83°47'32" E	Phulmuthi	Dug Well
ULUNDA	21°8'9" N	83°52'41" E	S Patrapali	Dug Well
ULUNDA	20°51'39" N	83°57'51" E	Mahada	Dug Well
ULUNDA	21°2'48" N	83°48'0" E	Danipali	Dug Well
ULUNDA	20°51'8" N	83°54'15" E	Sonepur	Dug Well
ULUNDA	21°0'40" N	83°57'10" E	Kotasamalai	Dug Well
ULUNDA	20°51'39" N	83°57'51" E	Metakani	Dug Well

SUNDARGARH				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
BALISANKARA	22°21'42" N	84°6'2" E	Talsara	Dug Well
BALISANKARA	22°16'40" N	83°56'50" E	Kinjrikela	Dug Well
BALISANKARA	22°15'44" N	84°4'30" E	Putudihi	Dug Well
BANEIGARH	21°44'50" N	84°52'53" E	Indrapur	Dug Well
BARAGAON	22°17'19" N	84°18'29" E	Ekma	Dug Well
BARAGAON	22°12'25" N	84°24'52" E	Shahajbahal	Dug Well

SUNDARGARH				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
BARAGAON	22°9'6" N	84°13'57" E	Panderpali	Dug Well
BARAGAON	22°9'12" N	84°14'16" E	Deokaranpur	Dug Well
BARAGAON	22°10'22" N	84°18'20" E	Bargaon	Dug Well
BISRA	22°14'10" N	84°47'42" E	R-37 Vedvyas	Dug Well
BISRA	22°15'20" N	84°48'34" E	R-13 Chhend	Dug Well
BISRA	22°13'34" N	84°51'39" E	R-09 Power House Road	Dug Well
BISRA	22°11'35" N	84°51'45" E	R-01 Jalda C-Block	Dug Well
BISRA	22°16'12" N	84°50'31" E	R-31 Sector-14	Dug Well
BISRA	22°14'15" N	84°50'18" E	R-06 Basanti Colony	Dug Well
BISRA	22°14'16" N	84°46'37" E	R-38 Kalunga	Dug Well
BISRA	22°15'22" N	84°53'35" E	R-22 Sector-2	Dug Well
BISRA	22°15'58" N	84°53'26" E	R-18 Koel Nagar	Dug Well
BISRA	22°15'56" N	84°53'27" E	R-32 Sector-20	Dug Well
BISRA	22°15'28" N	84°50'10" E	R-29 Sector-9	Dug Well
BISRA	22°14'36" N	84°52'57" E	R-17 Jhumpudibasti(Nuabazar)	Dug Well
BISRA	22°15'19" N	84°52'0" E	R-24 Sector-5	Dug Well
BISRA	22°15'45" N	84°51'12" E	R-36 Sector-15	Dug Well
BISRA	22°16'8" N	84°54'26" E	R-19 Jagada	Dug Well
BISRA	22°11'15" N	84°51'18" E	R-02 Jalda Rangila Chhak	Dug Well
BISRA	22°13'59" N	84°50'12" E	R-07 Udit Nagar-1	Dug Well
BISRA	22°16'33" N	84°54'19" E	R-20 Jhirpani	Dug Well
BISRA	22°15'33" N	84°51'8" E	R-27 Sector-7	Dug Well
BISRA	22°14'19" N	84°56'14" E	R-15 Bandamunda	Dug Well
BISRA	22°16'32" N	84°51'23" E	R-35 Sector-16	Dug Well
BISRA	22°15'30" N	84°48'18" E	R-14 Banposh (Urban)	Dug Well
BISRA	22°15'37" N	84°50'53" E	R-28 Sector-8	Dug Well
BISRA	22°15'57" N	84°52'2" E	R-33 Sector 18	Dug Well
BISRA	22°14'11" N	84°49'52" E	R-12 Gangadharpally	Dug Well
BISRA	22°13'43" N	84°49'16" E	R-04 Civil Township	Dug Well
BISRA	22°13'47" N	84°50'42" E	R-08 Udit Nagar-2	Dug Well
BISRA	22°15'37" N	84°50'22" E	R-30 Sector-13	Dug Well
BISRA	22°15'21" N	84°53'41" E	R-21 Sector-1	Dug Well
BISRA	22°14'9" N	84°49'21" E	R-10 Raghunathpalli	Dug Well
BISRA	22°13'33" N	84°50'32" E	R-11 Hanuman Batika	Dug Well
BISRA	22°16'32" N	84°51'23" E	R-34 Sector-17	Dug Well
BISRA	22°15'26" N	84°53'6" E	R-23 Sector-3	Dug Well
BISRA	22°13'35" N	84°50'16" E	Uditnagar(rkl)	Dug Well
BISRA	22°14'22" N	84°57'35" E	Bondamunda	Dug Well
BISRA	22°15'22" N	84°51'37" E	R-26 Sector-6	Dug Well
BISRA	22°15'10" N	84°52'23" E	R-25 Ambagaon	Dug Well

SUNDARGARH				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
GURUNDIA	21°47'6" N	84°34'54" E	Jarada	Dug Well
GURUNDIA	21°47'48" N	84°41'50" E	Kundeidiha	Dug Well
HEMGIR	21°58'14" N	83°45'35" E	Durubaga	Dug Well
HEMGIR	22°0'42" N	83°45'58" E	Garjan Bahal	Dug Well
HEMGIR	22°3'20" N	83°50'0" E	Balichuan	Dug Well
HEMGIR	22°2'20" N	83°33'30" E	Taparia	Dug Well
HEMGIR	22°3'0" N	83°42'30" E	Gopalpur	Dug Well
HEMGIR	21°56'40" N	83°42'5" E	Himgiri	Dug Well
KOIDA	21°54'23" N	85°15'15" E	Koira	Dug Well
KOIDA	21°59'48" N	85°1'24" E	K.balang	Dug Well
KOIDA	21°59'20" N	85°7'2" E	Jamdihi	Dug Well
KUANRMUNDA	22°21'18" N	84°44'45" E	Kumajharia	Dug Well
KUANRMUNDA	22°17'0" N	84°46'15" E	Kuarmunda	Dug Well
KUTRA	22°13'47" N	84°27'24" E	Kutra	Dug Well
KUTRA	22°17'38" N	84°31'24" E	Laxmipos 1	Dug Well
KUTRA	22°18'10" N	84°31'10" E	Laxmipos	Dug Well
KUTRA	22°12'39" N	84°24'4" E	Birangatoli	Dug Well
LAHUNIPARA	21°49'5" N	84°57'30" E	Bonaigarh	Dug Well
LAHUNIPARA	21°56'6" N	84°53'18" E	Darjin	Dug Well
LATHIKATA	22°7'46" N	84°52'56" E	Lathikata	Dug Well
LATHIKATA	22°5'40" N	84°53'23" E	Banki	Dug Well
LATHIKATA	22°1'30" N	84°55'10" E	Chandiposh	Dug Well
LEPHRIPARA	22°2'8" N	83°55'27" E	Zinc Nagar	Dug Well
LEPHRIPARA	22°6'5" N	83°50'52" E	Surguda	Dug Well
LEPHRIPARA	22°6'58" N	83°49'10" E	Lefripada	Dug Well
LEPHRIPARA	22°1'50" N	83°55'46" E	Zinc Nagar 1	Dug Well
LEPHRIPARA	22°3'14" N	83°54'47" E	Sargipali	Dug Well
LEPHRIPARA	22°5'4" N	83°50'26" E	Lokedega	Dug Well
NUAGAON	22°24'37" N	84°43'52" E	Birmitrapur	Dug Well
NUAGAON	22°24'0" N	84°51'0" E	Hathibari	Dug Well
RAJAGANGAPUR	22°16'36" N	84°31'27" E	Bihabandh Chaw k	Dug Well
RAJAGANGAPUR	22°11'25" N	84°34'45" E	Rajgangpur	Dug Well
RAJAGANGAPUR	22°13'2" N	84°31'5" E	Jharbera	Dug Well
SUBDEGA	22°12'25" N	84°6'43" E	Panchomahala 1	Dug Well
SUBDEGA	22°11'35" N	84°1'5" E	Alikera	Dug Well
SUBDEGA	22°7'13" N	84°2'18" E	Sundargarh	Dug Well
SUBDEGA	22°17'10" N	84°5'40" E	Sabdega	Dug Well
SUNDARGARH	22°0'42" N	84°2'0" E	Badbahal	Dug Well
SUNDARGARH	22°3'53" N	84°3'39" E	Medinipur	Dug Well
SUNDARGARH	21°59'22" N	83°58'35" E	Jagimal	Dug Well
SUNDARGARH	22°0'36" N	84°14'13" E	Rabandihi	Dug Well
SUNDARGARH	22°9'10" N	84°6'14" E	Karamdihi	Dug Well
SUNDARGARH	21°59'11" N	84°1'32" E	kundukela	Dug Well
SUNDARGARH	22°3'29" N	84°11'28" E	Ledhimang	Dug Well

SUNDARGARH				
BLOCK_NAME	LATITUDE	LONGITUDE	SITE_NAME	SITE_TYPE
SUNDARGARH	21°57'27" N	84°2'15" E	Bhasma	Dug Well
SUNDARGARH	22°15'34" N	83°59'44" E	Moshani Kani	Dug Well
SUNDARGARH	22°2'30" N	84°3'47" E	Bargad	Dug Well
TANGARAPALI	22°6'15" N	83°57'30" E	Rangiamunda	Dug Well
TANGARAPALI	22°8'3" N	83°55'53" E	Katra (Limidihi P ara)	Dug Well
TANGARAPALI	22°6'10" N	83°58'10" E	Mahulapali 1	Dug Well
TANGARAPALI	22°7'48" N	83°53'13" E	Balijori	Dug Well

ANNEXURE - II

WATER LEVEL DATA/FLUCTUATION FOR THE SPECIFIED PERIOD

STATE: ODISHA

DISTRICT: ANUGUL

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
1	Amna	5.21	2.21	7.09	-1.88	-4.88
2	Angul1	6.19	1.44	7.32	-1.13	-5.88
3	Bagharia	4.00	1.50	5.13	-1.13	-3.63
4	Balanda	4.43	3.18	4.39	0.04	-1.21
5	Balipeta	2.30	1.25	2.30	0.00	-1.05
6	Bamur	4.76	1.51	5.41	-0.65	-3.90
7	Banarpal1		1.80			
8	Bantala	7.45		7.00	0.45	
9	Bantala-li	6.05	2.80	6.90	-0.85	-4.10
10	Barhabahal	6.80	2.60	7.17	-0.37	-4.57
11	Bhalugadia	4.45		5.88	-1.43	
12	Bhogabereni	0.11	0.11	5.81	-5.70	-5.70
13	Boinda-li	4.75	2.60	5.32	-0.57	-2.72
14	Chainpal	11.00	8.40	12.11	-1.11	-3.71
15	Chauliakata	4.20	3.00	4.00	0.20	-1.00
16	Chendipada1	6.26	1.86	6.57	-0.31	-4.71
17	Derjung	9.00		9.27	-0.27	
18	Durgapur 1	6.80	3.10	6.53	0.27	-3.43
19	Ghantapada	6.10	2.40	5.93	0.17	-3.53
20	Godibandha	10.45	5.55	10.62	-0.17	-5.07
21	Goribandha	8.68	5.85	8.84	-0.16	-2.99
22	Handpa	5.12				
23	Handpa 1		3.55	5.70		-2.15
24	Handpa-li	5.80	2.80	6.19	-0.39	-3.39
25	Jagannathpur	5.41	3.51	6.51	-1.10	-3.00
26	Jamardihi	6.41		6.53	-0.12	
27	Jarpada Pz	6.05	3.30	6.28	-0.23	-2.98
28	Jharpada	5.32	5.02	5.64	-0.32	-0.62
29	Katada	3.55	1.05	4.95	-1.40	-3.90
30	Khamar-1	6.21	3.26	6.96	-0.75	-3.70
31	Khamar-li	7.75	4.60	7.83	-0.08	-3.23
32	Kosala1	4.05	1.15	5.31	-1.26	-4.16
33	Kuio	5.76	1.26	5.77	-0.01	-4.51
34	Kukurang	3.01	1.56	4.47	-1.46	-2.91
35	Kulnara1		1.42	6.53		-5.11
36	Kumunda 1	2.75	1.55	2.91	-0.16	-1.36
37	Luhamunda	7.48	4.33	7.48	0.00	-3.15
38	Mahidharpur	8.09	2.44	10.29	-2.20	-7.85
39	Maratira	3.80	1.10	4.82	-1.02	-3.72
40	Nialu	6.70		7.35	-0.65	
41	Nisa	3.52	1.87	3.75	-0.23	-1.88
42	Pabitrnagar pz	13.10	5.70	13.59	-0.49	-7.89
43	Pallahara1	3.35		4.74	-1.39	

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
44	Panchmahala	9.85	4.25	9.78	0.07	-5.53
45	Panchmahala-li	8.50	4.35	8.80	-0.30	-4.45
46	Purnakot	7.51	4.36	7.75	-0.24	-3.39
47	Samal	2.93	1.48	2.65	0.28	-1.17
48	Sana Santrabandha	6.25	2.20	6.50	-0.25	-4.30
49	Seepur	9.77	3.10	10.88	-1.11	-7.78
50	Sendhogram	5.47	4.67	5.83	-0.36	-1.16
51	Sipur	7.75	3.60	7.64	0.11	-4.04
52	Srirampur	8.30	1.70	8.00	0.30	-6.30
53	Talcher1	9.70		9.50	0.20	
54	Tentulai	4.12	2.67	4.26	-0.14	-1.59
55	Thakurgarh 1	5.02	2.57	5.67	-0.65	-3.10
56	Tikarpara	7.31	1.21	8.72	-1.41	-7.51
57	Tikarpara-ii	8.49	0.49	7.73	0.76	-7.24
58	Tileswar	6.35	4.00	5.89	0.46	-1.89
59	Tubey	2.40	0.85	3.90	-1.50	-3.05
60	Tulsipal	4.51	1.86	5.23	-0.72	-3.37
61	Ugi		6.70	10.00		-3.30

DISTRICT: BALANGIR

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
1	Agalpur 1	6.64	2.55	7.55	-0.91	-5.00
2	Ampali (Rampur Ampali)	5.97	1.70	5.43	0.54	-3.73
3	Atgan	3.84	2.16	3.85	-0.01	-1.69
4	Baijal Sagar	6.53	3.27	6.53	0.00	-3.26
5	Bairasar	5.40	3.90	6.06	-0.66	-2.16
6	Balukunda	4.82	1.75	5.71	-0.89	-3.96
7	Bandupalla	3.31	1.66	3.92	-0.61	-2.26
8	Banjari	6.13	3.52	5.47	0.66	-1.95
9	Banjipali	3.75		2.91	0.84	
10	Belgaon	5.35	2.30	5.16	0.19	-2.86
11	Belpara	6.09	3.64	5.24	0.85	-1.60
12	Bijakhaman1	6.44	1.60	5.91	0.53	-4.31
13	Bolangir-ii	1.65	1.50	3.89	-2.24	-2.39
14	Bongamunda		4.43			
15	Burda	4.86	1.80	5.40	-0.54	-3.60
16	Chhatamakna		4.45			
17	Chormara	2.33	2.40	3.04	-0.71	-0.64
18	Chudapali	4.92	3.07	4.93	-0.01	-1.86
19	DhamanaDonga	4.42	2.42	4.34	0.08	-1.92
20	Dhumamara	4.02	1.87	4.00	0.02	-2.13
21	Duduka	3.16	1.90	4.16	-1.00	-2.26
22	Dudukasira	3.72	1.75	3.75	-0.03	-2.00
23	Dulusara	3.54	3.73	4.94	-1.40	-1.21
24	Dumabata	6.42	4.95	5.68	0.74	-0.73
25	Dumalpada	5.81	3.80	5.05	0.76	-1.25
26	Dumerbahal	5.72	3.70	6.41	-0.69	-2.71
27	Fasad	2.87	1.70	3.44	-0.57	-1.74
28	Fattamunda	3.61	2.80	3.44	0.17	-0.64
29	Gaintala	3.69	1.91	4.53	-0.84	-2.62
30	Ghambari	7.33	3.78	7.33	0.00	-3.55
31	Haldia		3.81			
32	Harbhanga	1.96	1.35	2.91	-0.95	-1.56
33	Hardatal		1.08			
34	Harisankar	1.51	1.63	1.91	-0.40	-0.28
35	Ichagaon	8.81	5.00	7.80	1.01	-2.80
36	Jagua	3.80	1.00	4.36	-0.56	-3.36
37	Jamut	6.03	4.20	5.55	0.48	-1.35
38	Jhankar Pali	5.93	4.20	4.93	1.00	-0.73
39	Jogimunda	4.37	2.17	4.04	0.33	-1.87
40	Jogisarda	6.30	3.25	5.76	0.54	-2.51
41	Jorpada	5.52	3.07	4.89	0.63	-1.82
42	Kacherpalli (Deogaon)	2.72	1.92	3.94	-1.22	-2.02
43	Kantabanji		3.80			
44	Kholan	7.01	3.76	6.59	0.42	-2.83

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
45	Kurli		4.10			
46	Kurul	5.90	3.80	4.56	1.34	-0.76
47	Lathor	10.03	4.71	7.07	2.96	-2.36
48	Ledarbohal	7.08	4.50	6.02	1.06	-1.52
49	Madhiapali	5.01	3.77	5.25	-0.24	-1.48
50	Minapali	5.61	3.50	5.48	0.13	-1.98
51	Muribahal	7.53	4.60	7.44	0.09	-2.84
52	Nekpada	4.40	2.45	4.73	-0.33	-2.28
53	Nunhad	5.67	3.40	4.90	0.77	-1.50
54	Padampur	5.92	2.71	5.58	0.34	-2.87
55	Patnagarh-li	8.40	4.72	7.56	0.84	-2.84
56	Phulkimunda	5.40	2.75	4.01	1.39	-1.26
57	Piprut	4.68	2.60	4.29	0.39	-1.69
58	Pudapalli	2.63	0.80	3.18	-0.55	-2.38
59	Randa	0.93	0.63	3.57	-2.64	-2.94
60	Rigdol	4.55	2.70	4.03	0.52	-1.33
61	Sagarpali	4.06	2.10	4.20	-0.14	-2.10
62	Saintala 1	4.65	3.30	5.06	-0.41	-1.76
63	Salandi	7.25	3.30	5.86	1.39	-2.56
64	Salebhata	3.80	2.51	3.99	-0.19	-1.48
65	Sarmohan-I	2.50	1.70	4.07	-1.57	-2.37
66	Sikachhida 1	2.40		3.64	-1.24	
67	Sindhikela (new)	3.57	1.95	4.66	-1.09	-2.71
68	Sindhikela1	5.23	2.95	5.19	0.04	-2.24
69	Sinkhaman	4.25	3.30	3.79	0.46	-0.49
70	Tarasingi	5.65	2.65	5.35	0.30	-2.70
71	Titisilet	8.01	4.55	6.85	1.16	-2.30
72	Tureikela	6.88	4.33	6.46	0.42	-2.13
73	Tusura	5.39	1.60	5.39	0.00	-3.79
74	Uchchabahal	2.55	2.63	2.55	0.00	0.08

DISTRICT: BALESHWAR

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
1	Ayodhya	6.90	3.20	4.55	2.35	-1.35
2	Baband	6.47	3.52	5.24	1.23	-1.72
3	Baghudi 1	4.55	1.05	4.34	0.21	-3.29
4	Bakhudipada Bhola		3.00			
5	Bankisial	5.53	3.13	6.11	-0.58	-2.98
6	Basta 1	7.84	7.34	7.29	0.55	0.05
7	Benthiapada	4.60				
8	Bhagabondh	4.31	2.51			
9	Bhalukasuni 1		3.70			
10	Champo	3.65				
11	Darkholi	4.45		6.53	-2.08	
12	Gaudasahi	4.40	3.00	3.58	0.82	-0.58
13	Govindpur	5.16	2.16	6.20	-1.04	-4.04
14	Jamapada		1.00			
15	Jamsuli 1		2.45			
16	Jaragadia Mahadev Sahi		1.10			
17	Jodibali	6.15	1.85	5.60	0.55	-3.75
18	Kansa 1	4.55	2.75	5.02	-0.47	-2.27
19	Khaira		0.29			
20	Kuligaon	3.72	2.07	3.67	0.05	-1.60
21	Kunchibenia	4.40	2.50	5.41	-1.01	-2.91
22	Kupari 1	1.60	2.00	1.88	-0.28	0.12
23	Kushmi	3.80				
24	Matialli		2.80			
25	Mitrapur	3.55	1.05	5.83	-2.28	-4.78
26	Mohala (Bidyadharpur)		3.75			
27	Nilgiri 1	4.20	2.50	3.20	1.00	-0.70
28	Nuaporhi	3.89				
29	Raibania 1	4.90	1.50	3.49	1.41	-1.99
30	Remuna	6.30		7.31	-1.01	
31	Shrijang	3.63	4.33	5.81	-2.18	-1.48
32	Siadimal	6.74	3.29	5.32	1.42	-2.03
33	Sialghati	5.30				
34	Sunhat 2	5.25	0.50	2.07	3.18	-1.57

DISTRICT: BARGARH

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
1	Attabira1	7.35	5.25	7.32	0.03	-2.07
2	Baghapalli	2.45	1.70	1.79	0.66	-0.09
3	Barpalli		4.18			
4	Barpalli 1		3.61			
5	Batetarma	5.73	3.23	5.77	-0.04	-2.54
6	Bhatli 1	2.28	2.08	2.17	0.11	-0.09
7	Bheden 1	5.20	3.65	4.37	0.83	-0.72
8	Bhukta	5.28	2.13	4.64	0.64	-2.51
9	Bijepur		4.57			
10	Boipur	0.78	0.48	0.91	-0.13	-0.43
11	Bugbugi	7.87	3.97	7.49	0.38	-3.52
12	Burda		0.74			
13	Burdapali	5.10	2.72	4.63	0.47	-1.91
14	Chaklifarm	0.73	0.23	0.59	0.14	-0.36
15	Chichinda		1.02			
16	Dang	1.25	1.17	2.55	-1.30	-1.38
17	Dumalpali	2.00	1.45	3.55	-1.55	-2.10
18	Dungri		0.90			
19	Gaisilet3	3.55	2.45	4.72	-1.17	-2.27
20	Ghens 1	5.79	2.34	5.54	0.25	-3.20
21	Gondtarum	1.37		1.17	0.20	
22	Grinjal	6.73	1.93	5.93	0.80	-4.00
23	Hirapur	7.80	3.49	6.32	1.48	-2.83
24	Jagalpet	6.20	3.15	6.59	-0.39	-3.44
25	Jamset	4.81	3.10	4.58	0.23	-1.48
26	Jamura	2.14	1.44	1.81	0.33	-0.37
27	Kalapani	1.19	0.84	1.07	0.12	-0.23
28	Kansdhol		6.04			
29	Kantabahal		5.13			
30	Karla	7.00	3.55	7.26	-0.26	-3.71
31	Katapali	5.10	3.00	5.50	-0.40	-2.50
32	Kharmanda		4.76			
33	Kharmunda 1	8.13		7.68	0.45	
34	Khuntapali	3.40	2.50	3.04	0.36	-0.54
35	Khutlipalli	9.30	4.90	8.91	0.39	-4.01
36	Kodabahal 2	2.20	0.90	1.24	0.96	-0.34
37	Kulunda	2.37	1.72	2.09	0.28	-0.37
38	Kumbhari	1.90	1.06	1.35	0.55	-0.29
39	Kumelsingha	1.69	0.88	1.06	0.63	-0.18
40	Kuruan	2.64	2.01	2.01	0.63	0.00
41	Kusanpur	5.78	3.08	5.74	0.04	-2.66
42	Lakhanpur	4.12	1.52	5.32	-1.20	-3.80
43	Larambha	2.22	0.67	1.62	0.60	-0.95
44	Lastala	3.45	2.45	2.34	1.11	0.11
45	Lenda	2.86	1.31	1.96	0.90	-0.65
46	Mahada		1.40			

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
47	Mahada 1		1.54			
48	Majhipali	6.54	4.00	5.90	0.64	-1.90
49	Malada	7.20	3.15	6.25	0.95	-3.10
50	Mithapali	4.11	0.90	3.94	0.17	-3.04
51	Nrusingnath	2.17	4.45	3.04	-0.87	1.41
52	Padampur2	5.98	3.00	4.39	1.59	-1.39
53	Patrapalli	4.60	2.50	3.24	1.36	-0.74
54	Purena	7.64	2.03	6.21	1.43	-4.18
55	Purrakhai	2.20	1.60	1.97	0.23	-0.37
56	Puturipali	1.60	0.40	1.23	0.37	-0.83
57	Remada	2.23	0.93	1.28	0.95	-0.35
58	Remenda	2.50	1.40	1.95	0.55	-0.55
59	Rengalpali		0.41			
60	Resham	0.00	1.47	0.86	-0.86	0.61
61	Rusuda		1.20	1.85		-0.65
62	Rusuda 1		1.30			
63	Sarala	1.95	1.33	1.29	0.66	0.04
64	Sarandapali		2.68			
65	Satlama		0.90			
66	Satlama 1		1.30			
67	Shukutapali	3.40		3.12	0.28	
68	Sikirdi	1.52	0.77	0.99	0.53	-0.22
69	Sulsulia		1.25			
70	Sunajuri-Tukuria	8.58	4.35	6.93	1.65	-2.58
71	Thuapali1	2.70	1.95	2.59	0.11	-0.64
72	Top	1.19	0.79	0.93	0.26	-0.14
73	Tora	3.47	1.48	1.61	1.86	-0.13
74	Uttam	1.80	1.43	1.81	-0.01	-0.38

DISTRICT: BAUDH

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
1	Adenegarh	4.06	1.06	5.64	-1.58	-4.58
2	Anlapali	4.55	1.45	4.51	0.04	-3.06
3	Auinia Chua Chhak	6.45	2.15	6.22	0.23	-4.07
4	Badhigaon	4.52	1.87	4.52	0.00	-2.65
5	Baghiapada	5.10	1.75	5.29	-0.19	-3.54
6	Bala Singha	5.25	0.95	5.72	-0.47	-4.77
7	Baring	3.70	0.35	5.79	-2.09	-5.44
8	Boudh	4.64	3.64	4.96	-0.32	-1.32
9	Bruhaspatipur	5.45	2.60	5.40	0.05	-2.80
10	Butupalli	5.70	1.70	6.37	-0.67	-4.67
11	Charichak	2.05	0.95	4.30	-2.25	-3.35
12	Dahya	4.95	1.50	5.49	-0.54	-3.99
13	Dholpur	3.25	2.55	4.33	-1.08	-1.78
14	Erada	4.75	2.00	4.47	0.28	-2.47
15	Gaundisahi	5.10	1.60	5.23	-0.13	-3.63
16	Gohipita	7.32	2.62	5.77	1.55	-3.15
17	Gudveli Padar	4.75	1.95	4.79	-0.04	-2.84
18	Gundulia	5.75	2.00	6.30	-0.55	-4.30
19	Harbhanga	6.61		6.81	-0.20	
20	Harekrishnapur	5.70	2.15	5.95	-0.25	-3.80
21	Jahanapank	5.55	0.85	5.63	-0.08	-4.78
22	Kamira	5.20	2.40	5.27	-0.07	-2.87
23	Kantamal		2.65			
24	Karoda Kutha	5.05	2.95	6.68	-1.63	-3.73
25	Khajuripada	5.45	1.55	5.76	-0.31	-4.21
26	Khatkhatia	7.20	2.10	6.82	0.38	-4.72
27	Kusanga		3.45			
28	Landibandh	5.03	1.28	5.42	-0.39	-4.14
29	Laxmanpur	3.98	2.38	3.48	0.50	-1.10
30	Lumurjena	3.05	2.30	3.81	-0.76	-1.51
31	Lunibahal	2.97	1.17	5.46	-2.49	-4.29
32	Maheswar Pinda	5.00	1.65	5.16	-0.16	-3.51
33	Manamunda	5.25	2.15	6.64	-1.39	-4.49
34	Nuapada 1(Tikira sahi)	6.05	2.30	5.84	0.21	-3.54
35	Nuapali	4.40	0.80	4.62	-0.22	-3.82
36	Palasaguda 1	6.75	2.50	6.15	0.60	-3.65
37	Polam 2	4.55	1.40	6.27	-1.72	-4.87
38	Purnakatak 1		2.21	5.01		-2.80
39	Purunakatak	4.10				
40	Radha Nagar	6.20	3.60	6.68	-0.48	-3.08
41	Rambhikata	5.80	2.10	6.29	-0.49	-4.19
42	Sangrampur	4.80				
43	Sarsara	3.70	0.30	4.59	-0.89	-4.29
44	Sarta-Guda	6.35	2.75	5.96	0.39	-3.21
45	Singari chhak	5.16		5.25	-0.09	

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
46	Telibandha	5.00	1.10	5.85	-0.85	-4.75
47	Tilesar 1	7.45	2.15	6.53	0.92	-4.38
48	Tileswar	6.58				
49	Tukulunda	5.84				
50	Tukulunda 1		1.90			
51	Udaipur	5.40	2.40	8.51	-3.11	-6.11
52	Usbelika	5.70	2.30	5.88	-0.18	-3.58

DISTRICT: BHADRAK

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
1	Ada Sasan	3.90		4.42	-0.52	
2	Agarpara	6.33	1.43	5.74	0.59	-4.31
3	Bagdavinayakpur	4.79		4.58	0.21	
4	Bagdavinayakpur		0.65			
5	Balipatna	3.50				
6	Benipur	4.60	1.35	5.38	-0.78	-4.03
7	Bentola	3.20	0.80	4.22	-1.02	-3.42
8	Betaligaon		0.45			
9	Bethaligaon Pallashi	2.45		2.43	0.02	
10	Bhagvenpur	4.60	0.80	4.57	0.03	-3.77
11	Bidanpur	3.22	0.42	3.28	-0.06	-2.86
12	Chandbali, Bada Bazar		0.80			
13	Dhamnagar		1.34			
14	Durgapur	1.90	1.30	3.27	-1.37	-1.97
15	Jasotikiri	6.10	2.00	5.48	0.62	-3.48
16	Kothar 2	4.35				
17	Kothar 3	4.00	2.20	3.93	0.07	-1.73
18	Rambhila	4.70	0.60	4.69	0.01	-4.09
19	Randia	1.45	1.40	1.63	-0.18	-0.23
20	Tihidi	2.85	0.80	3.67	-0.82	-2.87

DISTRICT: CUTTACK

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
1	Abhimanpur	6.10	2.40	5.38	0.72	-2.98
2	Anantapur	2.70	2.03	2.59	0.11	-0.56
3	Athagarh-1	4.83		5.71	-0.88	
4	Balijhari 1	5.60	3.15	7.59	-1.99	-4.44
5	Banki1	5.00	2.84	4.93	0.07	-2.09
6	Banki2		4.30			
7	Baramba	10.97	2.82	9.89	1.08	-7.07
8	Baranga 1		3.66			
9	Belasahi	4.40	2.20	4.63	-0.23	-2.43
10	Bhanraj		1.70			
11	Brahmana Jhharilo	3.42		4.07	-0.65	
12	Brahmanajharilo		1.50			
13	C-03 Khannagar	1.02	0.42	3.05	-2.03	-2.63
14	C-06 Bidanasi	1.53	1.32	2.01	-0.48	-0.69
15	C-07 Sekhbazar	2.87	2.65	3.67	-0.80	-1.02
16	C-09 Bose Campus	1.10		1.73	-0.63	
17	C-10 Sikharpur	1.00		1.52	-0.52	
18	C-12 Nimasahi (Haripur)	0.90	0.90	1.66	-0.76	-0.76
19	C-13 Mahammadia Bazar	5.18	3.73	5.14	0.04	-1.41
20	C-14 Chandi Mandir	2.00		2.03	-0.03	
21	C-16 Bauxi Bazar	3.00		3.67	-0.67	
22	C-17 Fakirpur	1.87	0.57	2.81	-0.94	-2.24
23	C-18 Jagatpur		2.95	4.20		-1.25
24	C-19 Chauliaganj	1.23		1.65	-0.42	
25	C-20 Nadikula sahi (Sikharpur)	0.22	0.05	0.80	-0.58	-0.75
26	C-23 Railway Colony (OMP Sqr)	3.37	2.75	4.40	-1.03	-1.65
27	C-25 Balikuda-2	2.30	2.00	3.71	-1.41	-1.71
28	C-26 Jagatpur-2	3.18	1.70	3.69	-0.51	-1.99
29	C-27 Manguli Chhak	1.85	1.63	2.71	-0.86	-1.08
30	C-28 Jagatpur-3 (Nuasahi)	4.85	4.60	4.98	-0.13	-0.38
31	C-29 Khapurua Bazar	4.72	3.90	4.40	0.32	-0.50
32	C-30 Khapurua (Nuapada)	0.48	0.22	1.00	-0.52	-0.78
33	C-31 Pithapur	1.05		1.90	-0.85	
34	C-32Khapurua	5.56	3.47	5.14	0.42	-1.67
35	C-33 Lakshmi Mandap (Badambari)	0.20	0.18	0.40	-0.20	-0.22
36	C-34 Chakuli	2.17	0.70	2.36	-0.19	-1.66
37	C-35 Netaji Nagar	3.27	1.72	2.81	0.46	-1.09
38	Choudwar	1.50	1.32	2.32	-0.82	-1.00
39	Chowdwar	5.03	3.63	5.46	-0.43	-1.83
40	Dharma Shyamsundarpur		1.23			
41	Dimiri	6.60				
42	Dimiri 1		0.80	5.73		-4.93
43	Gopalpur2	3.02	2.15	3.50	-0.48	-1.35

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
44	Gopapur	4.20		4.28	-0.08	
45	Jagatpur-i	3.96	3.58	4.37	-0.41	-0.79
46	Kanapur	3.16	1.16	3.38	-0.22	-2.22
47	Kandarpur	2.65	0.50	3.92	-1.27	-3.42
48	Karadibandh	6.15	3.65	5.63	0.52	-1.98
49	Kasarda	4.05	2.18	4.29	-0.24	-2.11
50	Khuntuni		0.10			
51	Kulia Market	2.60	1.18	2.81	-0.21	-1.63
52	Madhab	3.36	2.36	3.48	-0.12	-1.12
53	Megha	3.40	1.40	3.94	-0.54	-2.54
54	Nachhipur	2.45	1.80	3.31	-0.86	-1.51
55	Narsingpur	6.30	3.05	6.65	-0.35	-3.60
56	Niali	4.51	1.98	4.78	-0.27	-2.80
57	Nimpur	3.90	2.52	4.34	-0.44	-1.82
58	Nischintakoili (new)	1.20	0.51	1.63	-0.43	-1.12
59	Nuagarh	4.10	2.85	3.64	0.46	-0.79
60	Oranda	5.07	3.92	7.73	-2.66	-3.81
61	Orati	2.63	1.16	2.66	-0.03	-1.50
62	Pari Amarpada	3.50	2.27	3.60	-0.10	-1.33
63	Radha Gobindapur	5.10		6.63	-1.53	
64	Rajnagar	2.01		2.14	-0.13	
65	Sankhamiri	2.93		2.68	0.25	
66	Sankilo	2.10	1.80	3.35	-1.25	-1.55
67	Saradapur	5.29		5.67	-0.38	
68	Sisua	2.60	2.52	2.99	-0.39	-0.47
69	Tangi1	3.99	1.00	6.52	-2.53	-5.52
70	Telengapenth	2.70	2.10	3.62	-0.92	-1.52
71	Tigiria	1.04	0.39	1.95	-0.91	-1.56
72	Tola Gopinathpur		2.20			

DISTRICT: DEBAGARH

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
1	Barkot-iii		3.17			
2	Deogarh	3.78	2.25	4.60	-0.82	-2.35
3	Kalamati	5.75	0.65	6.99	-1.24	-6.34
4	Kalkat	6.80	2.15	6.87	-0.07	-4.72
5	Purumunda	6.42	2.10	6.42	0.00	-4.32
6	Rengalbeda	4.37	1.74	4.82	-0.45	-3.08
7	Riamal		1.02			
8	Riamal 1		1.35			
9	Tarang		3.20			
10	Telimunda	5.00	3.35	4.87	0.13	-1.52
11	Tileibani	7.93	4.03	7.65	0.28	-3.62

DISTRICT: DHENKANAL

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
1	Alnaberini 1	10.30	5.15	9.84	0.46	-4.69
2	Babandh	4.38	0.43	5.23	-0.85	-4.80
3	Badajhara	5.89	1.74	5.72	0.17	-3.98
4	Badasuanlo-Hatwari	5.50	1.30	5.41	0.09	-4.11
5	Baisingha	7.07	1.35	9.39	-2.32	-8.04
6	Baisingha-li	8.55	3.60	8.10	0.45	-4.50
7	Baldiabandh	6.74	5.14	7.40	-0.66	-2.26
8	Balmi	8.32	4.37	8.67	-0.35	-4.30
9	Balrampur	1.87	1.02	3.03	-1.16	-2.01
10	Bandhnuagaon	4.68	1.83	6.25	-1.57	-4.42
11	Batgaon	5.31		5.42	-0.11	
12	Bhapur2	4.50	1.55	5.24	-0.74	-3.69
13	Bhuban	6.23	4.08	6.06	0.17	-1.98
14	Bhuban-li	3.25	2.65	4.12	-0.87	-1.47
15	Deogaon	3.00	1.95	4.67	-1.67	-2.72
16	Dhaulpur	5.00	2.60	5.49	-0.49	-2.89
17	Dhenkanal	2.24	0.94	2.29	-0.05	-1.35
18	Gangutia	5.22	4.87	6.13	-0.91	-1.26
19	Goda	8.17	4.27	9.08	-0.91	-4.81
20	Gondia1	2.14		3.63	-1.49	
21	Hatwari	5.61	2.56	5.69	-0.08	-3.13
22	Hindol1	6.15	5.20	7.02	-0.87	-1.82
23	Joranda	6.25	2.45	8.02	-1.77	-5.57
24	Kaimati	5.04	2.34	5.21	-0.17	-2.87
25	Kamakyanager	3.49	2.70	7.04	-3.55	-4.34
26	Kamakyanager-li	3.75	2.50	7.70	-3.95	-5.20
27	Kandarsingha	5.06	1.76	5.49	-0.43	-3.73
28	Kankadahad	7.23		7.38	-0.15	
29	Karanda	5.22	1.72	5.83	-0.61	-4.11
30	Mahulpal	6.03	2.53	5.61	0.42	-3.08
31	Mahulpunja	4.77	2.47	5.10	-0.33	-2.63
32	Mandar	6.19		6.32	-0.13	
33	Mathakaragola	8.20	7.35	8.45	-0.25	-1.10
34	Motanga		2.99			
35	Motanga-li	5.50	2.35	6.06	-0.56	-3.71
36	Muktaposi	5.42	1.22	6.75	-1.33	-5.53
37	Parjang1	3.79	1.69	6.88	-3.09	-5.19
38	Rasol		1.64			
39	Sading	3.02	2.27	5.23	-2.21	-2.96
40	Samacharanapur	6.50	3.30	6.35	0.15	-3.05
41	Samole	4.56	0.90	6.12	-1.56	-5.22
42	Shankarpur	3.86	1.66	4.39	-0.53	-2.73
43	Singhada	6.05	1.45	4.48	1.57	-3.03

DISTRICT: GAJAPATI

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
1	Adaba	4.91	2.36	5.89	-0.98	-3.53
2	Appalanaidupetta	3.93	0.83	3.87	0.06	-3.04
3	Bada Khoni	4.90	3.28	3.78	1.12	-0.50
4	Chandiput 1	5.30	1.27	4.17	1.13	-2.90
5	Chandragiri 1	5.15	0.99	8.48	-3.33	-7.49
6	Damadua		1.00			
7	Garabandh	3.80	1.50	3.12	0.68	-1.62
8	Gosani	1.86	1.19	3.52	-1.66	-2.33
9	K Sitapur 1		2.82			
10	Kantragada	2.75	1.16	3.65	-0.90	-2.49
11	Kasinagar	5.70	1.75	4.51	1.19	-2.76
12	Kattalakanita	4.93	1.83	5.56	-0.63	-3.73
13	Khajuripara		2.49			
14	Kirama	4.65	2.25	5.19	-0.54	-2.94
15	Ladruma	8.45	4.65	8.84	-0.39	-4.19
16	Lavanya Khotta	3.38	1.50	4.56	-1.18	-3.06
17	Lavanyagada	3.50	1.80	4.84	-1.34	-3.04
18	Lillygada	3.30	2.38	2.72	0.58	-0.34
19	Luhaguda		2.15			
20	Madhura-Amba		2.45			
21	Minigaon	6.55	3.25	6.57	-0.02	-3.32
22	Mohana	11.28	2.08	10.21	1.07	-8.13
23	Narayanpur	5.43	2.63	5.11	0.32	-2.48
24	Parasamba	6.00	1.90	6.41	-0.41	-4.51
25	Parlakhemundi	3.50	2.15	3.67	-0.17	-1.52
26	Pegoda		3.32			
27	R.udaygiri		6.30			
28	Raygarh	2.51	1.73	3.28	-0.77	-1.55
29	Santhi Nagar	2.25	1.57	4.20	-1.95	-2.63
30	Sebakpur	10.10	1.08	8.24	1.86	-7.16
31	Suklipadar	4.37	2.27	4.78	-0.41	-2.51
32	Taramala	3.60	1.10	3.85	-0.25	-2.75
33	Tattipati	5.65	1.35	6.46	-0.81	-5.11
34	Zubagaon	4.72	1.47	5.47	-0.75	-4.00

DISTRICT: GANJAM

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
1	Ambapua		1.32			
2	Aska		0.27			
3	Aska 1		0.90			
4	Badagarh		0.21			
5	Badagarh 1		0.24			
6	Badakhandi	1.06	0.58	2.99	-1.93	-2.41
7	Badakholi	2.52	1.57	3.24	-0.72	-1.67
8	Balipadar	1.95	0.96	4.05	-2.10	-3.09
9	Balrampur	2.20	0.64	2.75	-0.55	-2.11
10	Bananai	4.13	1.63	1.98	2.15	-0.35
11	Baradabili		2.25			
12	Baragam	3.89	1.23	4.17	-0.28	-2.94
13	Belanguntha1	4.84	1.19	4.18	0.66	-2.99
14	Bhanjanagar-i		3.25	7.70		-4.45
15	Bhanjanagar-ii	6.13				
16	Bhetnai	3.83	0.88	4.03	-0.20	-3.15
17	Buguda1	2.75	2.15	3.22	-0.47	-1.07
18	Chadeiapalli Chhak	6.00	6.00	5.95	0.05	0.05
19	Chamkahandi	1.82	1.42	3.00	-1.18	-1.58
20	Chatrapur1	2.45	1.75	4.46	-2.01	-2.71
21	Chikiti	1.47	0.70	3.03	-1.56	-2.33
22	Dadralunda	2.70	3.75	2.29	0.41	1.46
23	Dharkote	2.79	1.14	2.73	0.06	-1.59
24	Digapahandi 1	4.10	2.48	4.72	-0.62	-2.24
25	Dumdumi	1.61	1.41	4.82	-3.21	-3.41
26	Gallery	5.07	1.82	5.08	-0.01	-3.26
27	Gangapur		2.39			
28	Ganjam	1.07	0.18	1.91	-0.84	-1.73
29	Gayagonda		3.12			
30	Gayagonda 1	5.95		6.57	-0.62	
31	Gobara	6.40	1.05	5.50	0.90	-4.45
32	Golabandha		3.82			
33	Golanthara	4.06		5.40	-1.34	
34	Gopalpur		1.30			
35	Govindpur1	3.03	1.73	4.34	-1.31	-2.61
36	Gudiali	0.48	0.63	5.88	-5.40	-5.25
37	Hinjalapalli 1	3.80	1.20	3.80	0.00	-2.60
38	Hinjlikatu	3.56	2.65	5.32	-1.76	-2.67
39	Huma	0.15		1.93	-1.78	
40	Hummuri	3.85	2.45	4.43	-0.58	-1.98
41	Jagannathprasad		2.24	6.40		-4.16
42	Jakara	1.35	0.74	3.24	-1.89	-2.50
43	Jarada1	1.75	0.22	3.48	-1.73	-3.26
44	Jayantipur	1.10	0.08	5.78	-4.68	-5.70
45	Jhadabhumi	6.20	1.35	5.72	0.48	-4.37
46	K.nuagan		1.28			
47	K.S.Nagar1		0.10			

Sl No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
48	Kalamba	7.67	1.82	7.41	0.26	-5.59
49	Kamappalli		3.40			
50	Kankia		3.60			
51	Karachuli	2.37	1.97	2.98	-0.61	-1.01
52	Kendupadar	3.76				
53	Khalikot	4.73	2.25	4.94	-0.21	-2.69
54	Khandrabali		2.08			
55	Kodala	4.10	0.69	3.34	0.76	-2.65
56	Koitra	2.15	0.40	2.61	-0.46	-2.21
57	Kontaipalli 1	6.52	1.22	5.33	1.19	-4.11
58	Kukudahandi	3.22	1.21	4.55	-1.33	-3.34
59	Lathi	2.13	1.39	3.45	-1.32	-2.06
60	Lathipada	6.19		6.27	-0.08	
61	Laxmipur1	2.82	1.91	5.96	-3.14	-4.05
62	Mangalpur2	3.76	1.71	4.32	-0.56	-2.61
63	Mantridi	1.83	0.63	2.80	-0.97	-2.17
64	Mujhagarh	7.58	4.16	6.50	1.08	-2.34
65	Mundamarai	0.88	0.54	1.81	-0.93	-1.27
66	Narendrapur		3.80			
67	Nuagaon3		1.17			
68	Nuapalli	1.75	0.79	3.92	-2.17	-3.13
69	Patapur	7.61	2.36	8.07	-0.46	-5.71
70	Patapur1	1.87	1.27	6.44	-4.57	-5.17
71	Phulata	2.61	1.71	4.21	-1.60	-2.50
72	Pitamberpur	3.60	0.75	3.97	-0.37	-3.22
73	Pochilima	3.00	2.08	3.71	-0.71	-1.63
74	Poirasi	3.40	1.64	4.51	-1.11	-2.87
75	Polasora	2.98	2.18	4.18	-1.20	-2.00
76	Pudamari	3.24	0.96	4.55	-1.31	-3.59
77	Purusatampur	5.23	3.30	5.36	-0.13	-2.06
78	Rambha	2.60	1.45	2.94	-0.34	-1.49
79	Ratanpur	2.45	1.65	3.44	-0.99	-1.79
80	Rohigaon	3.29				
81	Saishamuli		4.11			
82	Saishamuli 1	5.15		5.05	0.10	
83	Sheragada2		0.43			
84	Sorada		1.45			
85	Sorada 1	2.56				
86	Soramani		2.25	3.54		-1.29
87	Soroda			2.22		
88	Subash Ch.Pur	7.91	2.51	7.39	0.52	-4.88
89	Suramani	3.40				
90	Surangi	1.46	1.68	4.11	-2.65	-2.43
91	Surlaroad 1		3.95			
92	Tanganapalli 1	1.40	0.09	2.49	-1.09	-2.40
93	Tarasingi	9.18	4.93	7.23	1.95	-2.30
94	Tilisingi	4.39		5.12	-0.73	
95	Turumu1	2.95	2.25	2.87	0.08	-0.62

DISTRICT:JAGATSINGHAPUR

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
1	Balarampur	1.68	1.30	2.86	-1.18	-1.56
2	Balia Store	2.23	1.10	2.33	-0.10	-1.23
3	Balikuda2	4.36				
4	Bhutmundi1	3.13	1.30	2.67	0.46	-1.37
5	Ersama2	4.81		3.88	0.93	
6	Govindpur	1.36	1.16	3.02	-1.66	-1.86
7	Kanakpur	1.45	0.81	2.45	-1.00	-1.64
8	Kujang	1.13		2.72	-1.59	
9	Kulakijanga		1.52			
10	Nuagaon	1.40				
11	Nuapolbazar		1.40			
12	Paradeepgarh1	2.13	0.88	2.30	-0.17	-1.42
13	Raghunathpur	6.10				
14	Raghunathpur 1		4.03	4.80		-0.77
15	Sinharpur		1.30			
16	Siuli	2.30	0.68	3.18	-0.88	-2.50

DISTRICT: JAJAPUR

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
1	Ambasar		1.99			
2	Amnut Monohi	1.82	0.90	3.73	-1.91	-2.83
3	Arkhapur	2.45	0.55	3.55	-1.10	-3.00
4	Atria		2.10			
5	Balrampur		10.20			
6	Bamdevpur		2.05			
7	Baruda	2.19	1.11	2.89	-0.70	-1.78
8	Chinguripal	6.64	5.66	9.04	-2.40	-3.38
9	Danagadi 1	4.28	2.00	5.79	-1.51	-3.79
10	Dankari	2.91	0.68	4.23	-1.32	-3.55
11	Darpani		4.60			
12	Dasarathpur	2.66	1.20	2.70	-0.04	-1.50
13	Dubri 1	0.97	1.15	1.77	-0.80	-0.62
14	Garamian	3.81		5.33	-1.52	
15	Gopalpur		1.80			
16	Haridaspur	2.06	0.76	2.91	-0.85	-2.15
17	Hirapur		1.15			
18	Jajpur	4.98		5.43	-0.45	
19	Jakhpura	4.25	4.07	6.23	-1.98	-2.16
20	Jamjhari	8.20	5.52	9.00	-0.80	-3.48
21	Jhargadia	9.07	7.77	8.99	0.08	-1.22
22	Kabatabandha	2.36	1.18	3.24	-0.88	-2.06
23	Kalamatia	3.62	2.05	3.33	0.29	-1.28
24	Khonedi	3.08	1.63	4.19	-1.11	-2.56
25	Kuakhia 1		2.90			
26	Madhupurgarh	4.44	1.51	5.89	-1.45	-4.38
27	Neulpur 1		1.10			
28	Phuljhore	2.10		4.04	-1.94	
29	Pobala	3.65	2.01	5.04	-1.39	-3.03
30	Purunabavlamola	7.93	6.20	7.62	0.31	-1.42
31	Ragadi 1		2.57			
32	Ragadiposi	5.99	4.06	7.12	-1.13	-3.06
33	Ragedi 1	4.02	3.70	4.48	-0.46	-0.78
34	Rudhia		2.85			
35	Rudrapur		1.20			
36	Sarei	2.44	2.19	4.12	-1.68	-1.93
37	Saruabil(nuasah		4.86			
38	Singpur	4.41	2.84			
39	Sohupur	2.80	1.10	3.63	-0.83	-2.53
40	Sukinda	1.67		3.18	-1.51	
41	Talagada		1.38			
42	Tolagarh		2.20			
43	Vyasnagar		7.32			

DISTRICT: JHARSUGUDA

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
1	Belpahar	7.85	3.95	6.69	1.16	-2.74
2	Bhalupatra	4.98	2.00	5.19	-0.21	-3.19
3	Bhikhampali	4.32		4.77	-0.45	
4	Brajrajnagar	5.19	4.36	7.72	-2.53	-3.36
5	Chadnimal	6.92	1.65	6.77	0.15	-5.12
6	Jamkani (arda)	6.30	1.45	6.18	0.12	-4.73
7	Jharsuguda 2		1.90			
8	Jharsuguda1	2.83				
9	Katarbaga	4.95		3.10	1.85	
10	Kirimera	4.58	0.95	4.48	0.10	-3.53
11	Laikera 1		1.40			
12	Lakhanpur	5.65	3.50	5.85	-0.20	-2.35
13	Omp Check Gate	6.80	5.00	6.47	0.33	-1.47
14	Panchagaon	5.72	1.45	4.30	1.42	-2.85
15	Ram Kumar Chawk	7.12	3.30	7.40	-0.28	-4.10
16	Sahaspur	6.60	3.70	5.71	0.89	-2.01
17	Singarpur	2.80	1.35	2.43	0.37	-1.08
18	Sriyapali	8.50		7.93	0.57	

DISTRICT:KALAHANDI

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
1	Ampani	4.83	2.28	5.53	-0.70	-3.25
2	Attanguda	5.10	1.68	4.89	0.21	-3.21
3	Badbasul	6.40	4.18	5.43	0.97	-1.25
4	Bakatpur	4.05	2.62	6.53	-2.48	-3.91
5	Baldiamal	3.60	0.74	3.29	0.31	-2.55
6	Bandigaon	3.10	1.46	3.08	0.02	-1.62
7	Baner	3.98	0.90	4.57	-0.59	-3.67
8	Bawanipatna	8.06	2.55	7.43	0.63	-4.88
9	Bijamara	4.40	2.84	4.86	-0.46	-2.02
10	Biswanathppur	7.10	3.49	7.28	-0.18	-3.79
11	Charbahal	5.30	1.02	4.67	0.63	-3.65
12	Chiliguda		2.28			
13	Chiliguda1	3.40		4.29	-0.89	
14	Dalguma	9.30	6.29	9.40	-0.10	-3.11
15	Dasigaon		5.48			
16	Dasigaon 1		5.30			
17	Dharamgarh	6.94	3.68	7.42	-0.48	-3.74
18	Golmunda	4.66		5.34	-0.68	
19	Gunupur	1.56	0.89	3.52	-1.96	-2.63
20	Jaipatna	5.22	0.85			
21	Jaipatna 1		0.83	4.37		-3.54
22	Junagarh 1	5.10	1.93	5.79	-0.69	-3.86
23	Kalampur	2.63	1.42	3.71	-1.08	-2.29
24	Kegaon	6.54	3.13	6.33	0.21	-3.20
25	Koksara	3.90	0.86	3.86	0.04	-3.00
26	Madanpur		3.36			
27	Madanpur1	6.50		7.35	-0.85	
28	Mahichala	2.07	0.93	3.01	-0.94	-2.08
29	Malgaon	5.60	0.99	4.49	1.11	-3.50
30	Moter	4.20		4.70	-0.50	
31	M-rampur	5.12	3.80	5.72	-0.60	-1.92
32	Narla		2.73			
33	Pokaribandh	8.10	1.71	5.15	2.95	-3.44
34	Risida	6.57	2.16	6.86	-0.29	-4.70
35	Santapur	4.23	1.44	5.12	-0.89	-3.68
36	Sargigora	10.10	1.50	7.59	2.51	-6.09
37	Sunamala	4.40	1.61	4.25	0.15	-2.64
38	Tal Jaring	4.40	1.44	3.61	0.79	-2.17
39	Tulapada	2.52	0.02	3.51	-0.99	-3.49
40	Tundala	5.60	3.27	5.86	-0.26	-2.59

DISTRICT: KANDHAMAL

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
1	Baliguda	8.20	5.80	8.43	-0.23	-2.63
2	Dubagarh	6.20	2.40	6.30	-0.10	-3.90
3	G. Kalinga		5.75			
4	G.udaigiri 1		4.85			
5	Gudari		1.15			
6	Gunjibadi	9.70	6.85	10.03	-0.33	-3.18
7	Kalinga	9.51		9.56	-0.05	
8	Katringia	9.03	8.48	9.73	-0.70	-1.25
9	Khajuripada	6.05	3.65	7.45	-1.40	-3.80
10	Kurtambarh	7.60	5.90			
11	Lingagada 1		5.75			
12	Mandakia		6.45			
13	Nuagaon	10.05	6.70	10.18	-0.13	-3.48
14	Paburiya	9.63	6.48	9.71	-0.08	-3.23
15	Phiringia-i	7.20	9.10	7.00	0.20	2.10
16	Phulbani1	11.05	8.45	10.93	0.12	-2.48
17	Podapada		6.50			
18	Raikia-ii	6.84	3.54	6.92	-0.08	-3.38
19	Ranipathar	5.85	1.75	5.85	0.00	-4.10
20	Sankarakhol	4.65	0.95	5.05	-0.40	-4.10
21	Sarangarh		2.40			
22	Sudrukumpa	5.05	3.60	5.95	-0.90	-2.35
23	Telapalli	6.20		6.35	-0.15	
24	Tikabali		3.55			
25	Vetkhol		3.25			

DISTRICT: KENDRAPARA

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
1	Arilo		1.20			
2	Aul(Ali)	3.85	2.42	3.82	0.03	-1.40
3	Badhi		2.35			
4	Barua	3.44				
5	Barua 1		1.88	3.19		-1.31
6	Chadeiguan	3.22	2.03	3.22	0.00	-1.19
7	Chandibazar	2.32	0.68	2.30	0.02	-1.62
8	Chandola	1.88	0.60	2.22	-0.34	-1.62
9	Daliji	2.44	0.65	2.66	-0.22	-2.01
10	Dargochha		1.50			
11	Duhuria	1.87	0.97	2.46	-0.59	-1.49
12	Garadpur		1.45			
13	Giranga		0.90			
14	Hatia		2.30			
15	Indupur2		2.75			
16	Jajanga	2.95	1.16	3.10	-0.15	-1.94
17	Jamdhar	2.30	0.78	2.40	-0.10	-1.62
18	Jantilo	2.90	0.80	2.93	-0.03	-2.13
19	Kajala	4.48				
20	Kasoti	1.35	0.16	2.44	-1.09	-2.28
21	Keredagada		2.90			
22	Kuda Nagari		0.85			
23	Laxminarayanpur	4.37	2.65	6.05	-1.68	-3.40
24	Mahakalpara 2		1.22			
25	Makundapur		2.48			
26	Mulabasanta	3.35	1.56	3.21	0.14	-1.65
27	Nikrai1	1.53	1.80	2.17	-0.64	-0.37
28	Pattamundai3	3.22	1.90	3.11	0.11	-1.21
29	Rajnagar	2.78	1.40	2.74	0.04	-1.34
30	Ramnagar	3.43	0.60	2.81	0.62	-2.21
31	Shyamsundarpur	3.10	1.75	3.23	-0.13	-1.48

DISTRICT: KENDUJHAR

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
1	Akul	4.85	3.15	5.22	-0.37	-2.07
2	Anandapur 1		4.65			
3	Badaposhi	5.65	3.05	5.68	-0.03	-2.63
4	Balaniposi	6.30	3.85	6.20	0.10	-2.35
5	Balarampur	3.10	2.85	4.75	-1.65	-1.90
6	Balijhodi		4.00			
7	Barbil		3.50			
8	Barpada	2.40	2.25	4.76	-2.36	-2.51
9	Baxibargaon		2.50			
10	Baxibarigan	5.10	2.97	5.36	-0.26	-2.39
11	Bhadrasahi	7.45	4.38	6.46	0.99	-2.08
12	Bhagomunda	2.67	1.87	5.78	-3.11	-3.91
13	Bimala	5.97	3.22	5.63	0.34	-2.41
14	Birgovindpur	5.70	3.88	6.41	-0.71	-2.53
15	Brahmandgram	2.85	2.40	3.70	-0.85	-1.30
16	Budhikapudi		2.60	6.44		-3.84
17	Burikapuri	6.26				
18	Champua 1	6.17	4.25	8.09	-1.92	-3.84
19	Deogan1	4.28		4.60	-0.32	
20	Dhangadiha	5.15	2.70	7.52	-2.37	-4.82
21	Dhenkikot		2.74			
22	Dhenkikote	8.70		6.59	2.11	
23	Gadadharpur	4.17	2.72	5.71	-1.54	-2.99
24	Gajitangri	4.40	2.86	6.13	-1.73	-3.27
25	Ghasipur	8.49	6.39	7.91	0.58	-1.52
26	Ghasipura pz		7.65			
27	Gonasika	3.05	3.06	4.84	-1.79	-1.78
28	Gopalpur2	2.57	3.14	4.95	-2.38	-1.81
29	Guali		5.42			
30	Harichandanpur	3.55	3.40	4.81	-1.26	-1.41
31	Haridagot	2.85	1.90	5.11	-2.26	-3.21
32	Hatadihi		3.20			
33	Jagmohanpur	4.03	3.11	6.54	-2.51	-3.43
34	Janghira		1.95			
35	Jaymangalpur	2.22	3.92	4.99	-2.77	-1.07
36	Jhadbelda 1	2.70	3.40	5.41	-2.71	-2.01
37	Jhangira	7.45	1.65	6.65	0.80	-5.00
38	Jhumpura	5.30	3.90	6.34	-1.04	-2.44
39	Joda	5.72	3.82	5.97	-0.25	-2.15
40	Jodipada	6.95				
41	Jodipada 1		2.32	6.67		-4.35
42	Kaliahata	4.53	3.23	5.25	-0.72	-2.02
43	Kanjipani	4.50	3.40	5.74	-1.24	-2.34
44	Katalaposhi	5.60	1.92	6.74	-1.14	-4.82
45	Kendeiposhi	1.39				
46	Kendeiposhi 1		2.55	4.69		-2.14

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
47	Keonjhargarh		3.40			
48	Keonjhar-li Old Town	6.75	2.90	6.88	-0.13	-3.98
49	Kesurdapal	1.23	2.28	3.67	-2.44	-1.39
50	Khiritangiri	4.38	6.06	8.07	-3.69	-2.01
51	Khuntapada 1		2.20			
52	Kothaghar	3.11	2.71	3.75	-0.64	-1.04
53	Malliposi	1.99	2.21	5.07	-3.08	-2.86
54	Mathadai	1.59	3.44	3.95	-2.36	-0.51
55	Mathadai-li		3.15			
56	Melana	2.80	2.88	4.55	-1.75	-1.67
57	Muktapur	7.70	2.30	6.60	1.10	-4.30
58	Mukundpur		2.32			
59	Naranpur	9.25	3.48	7.62	1.63	-4.14
60	Nuagaon	0.90	3.06	4.61	-3.71	-1.55
61	Nuasahi	1.40				
62	Padampur2	10.45	1.50	10.13	0.32	-8.63
63	Padang	4.42	2.92	5.32	-0.90	-2.40
64	Parsora	5.25		7.24	-1.99	
65	Patakhali	5.25	2.41	5.24	0.01	-2.83
66	Patilo	6.90	2.48	6.96	-0.06	-4.48
67	Pitanali	8.50		8.03	0.47	
68	Raisuan		1.45			
69	Rajpat	2.60	2.48	3.81	-1.21	-1.33
70	Rugudi	5.24	4.53	7.20	-1.96	-2.67
71	Sasang	3.20	2.85	5.24	-2.04	-2.39
72	Suakati	4.83	2.73	6.29	-1.46	-3.56
73	Swampatna	1.58	1.58	3.88	-2.30	-2.30
74	Tangarpada	2.55	2.98	3.73	-1.18	-0.75
75	Telkoi	4.55	2.85	6.63	-2.08	-3.78
76	Turmunga	4.20	3.41	5.47	-1.27	-2.06
77	Udaipur	4.30	3.15	5.15	-0.85	-2.00
78	Ukunta	2.50	2.18	3.80	-1.30	-1.62

DISTRICT: KHORDHA

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
1	B-02 Samantarapur	0.15		0.52	-0.37	
2	B-04 Lingaraj Temple	7.48	7.18	7.57	-0.09	-0.39
3	B-05 Rath Road	1.39		1.96	-0.57	
4	B-06 Purnama Gate	7.50	7.00	7.89	-0.39	-0.89
5	B-07 Bapuji Nagar	2.15		2.49	-0.34	
6	B-09 Tankapani Road	7.91		5.16	2.75	
7	B-12 Laxmi Sagar	2.90		4.39	-1.49	
8	B-14 Rasulgarh	0.22		1.12	-0.90	
9	B-15 Bomikhal	5.42		5.91	-0.49	
10	B-17 Satya Nagar	4.35		4.95	-0.60	
11	B-20 Palasuni (NH-5)	2.92		2.81	0.11	
12	B-22 Mancheswar	4.80		4.58	0.22	
13	B-25 Sainik School	5.65		6.39	-0.74	
14	B-26 Gadakana	5.50		6.64	-1.14	
15	B-31 Unit-9	1.90	2.20	2.42	-0.52	-0.22
16	B-33 Unit-4	5.43	4.28	6.44	-1.01	-2.16
17	B-34 Ganga Nagar	5.75		6.18	-0.43	
18	B-35 Unit-6	5.15		5.57	-0.42	
19	B-37 OUAT	2.47		3.03	-0.56	
20	B-39 Bhimatangi	8.02		8.78	-0.76	
21	B-40 Kapilaprasad	7.87		4.40	3.47	
22	B-41 Pokhariput	4.90	4.40	6.57	-1.67	-2.17
23	B-42 Kargil Basti	3.55	2.95	6.62	-3.07	-3.67
24	B-43 Gandamunda	6.95		7.01	-0.06	
25	B-44 Baramunda	1.23		1.54	-0.31	
26	B-45 Delta Square	6.80	6.35	8.09	-1.29	-1.74
27	B-47 Ghatikia	6.39	6.74	7.36	-0.97	-0.62
28	B-48 Dumuduma	5.32	4.22	6.55	-1.23	-2.33
29	B-50 Janla	8.05	8.05	7.85	0.20	0.20
30	B-51 DAV (Unit-8)		2.80			
31	B-56 CGWB Office			14.82		
32	Baghamari Dw	1.65		1.65	0.00	
33	Baghmari		0.55			
34	Balipatna	1.48	0.78	2.10	-0.62	-1.32
35	Balugaon		2.24			
36	Banapur	3.00	1.70	3.00	0.00	-1.30
37	Bandha Square		1.15			
38	Begunia	2.90	2.00			
39	Begunia 1			5.87		
40	Bhubaneswar-i		5.17			
41	Bhusundapur	6.85	3.45	8.66	-1.81	-5.21
42	Bolagarh	7.06	3.76	8.99	-1.93	-5.23
43	Chandaka	1.90	1.70	2.83	-0.93	-1.13

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
44	Gobindpur	2.44	1.24	3.15	-0.71	-1.91
45	Jagannathpur		0.95			
46	Jankia	2.70	2.75	3.74	-1.04	-0.99
47	Janla	5.23	5.36	7.85	-2.62	-2.49
48	Jatni1		3.70			
49	Jayamangal		3.85			
50	Kapilaprasad	2.31	2.01	6.57	-4.26	-4.56
51	Khurda	5.99		9.58	-3.59	
52	Khurda Industrial Area	7.60	3.60	8.48	-0.88	-4.88
53	Kuha	1.58	1.23	6.98	-5.40	-5.75
54	Kuhudi	5.45	3.05	5.45	0.00	-2.40
55	Kundaidarapatna (pahala)	0.90	1.35	2.09	-1.19	-0.74
56	Mendhasala	2.00	1.45	2.43	-0.43	-0.98
57	Nirakarpur	6.30	4.80	7.29	-0.99	-2.49
58	Niranjanpur		3.15			
59	Odakhanda-DW	2.55	1.25	3.52	-0.97	-2.27
60	Padanpur	4.55	2.50	5.30	-0.75	-2.80
61	Patia	4.95		5.16	-0.21	
62	Raghunathpur	1.65	4.40	3.01	-1.36	1.39
63	Sandhapur	5.70	4.50	6.80	-1.10	-2.30
64	Sarua	7.12				
65	Sialia Nuasahi		1.55			
66	Sundarpada	3.03	1.73	4.50	-1.47	-2.77
67	Tamando	2.95	2.85	4.44	-1.49	-1.59
68	Tangi2	12.89	7.99	12.44	0.45	-4.45
69	Tolakpada	1.90	0.90	2.11	-0.21	-1.21

DISTRICT: KORAPUT

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
1	Ambaguda1	5.50	3.83	5.22	0.28	-1.39
2	Anta	2.82	1.58	3.53	-0.71	-1.95
3	Baipariguda	7.50	3.21	6.86	0.64	-3.65
4	Bajiguda	7.65	4.59	7.56	0.09	-2.97
5	Balia	2.35	0.17	2.36	-0.01	-2.19
6	Bangalaguda	8.40	2.49	7.57	0.83	-5.08
7	Bheja 1	3.20	3.02	4.49	-1.29	-1.47
8	Bijapur		1.41			
9	Boriguma	5.75	2.23	7.68	-1.93	-5.45
10	Burja	6.40	4.23	7.33	-0.93	-3.10
11	C.kusimi-i	6.65	2.57	6.63	0.02	-4.06
12	Chandli	2.55	2.77	3.11	-0.56	-0.34
13	Chingudichuan	4.95	3.51	3.97	0.98	-0.46
14	C-kusumi-ii	6.65		5.81	0.84	
15	Damanahandi	2.85	1.16	3.04	-0.19	-1.88
16	Deoghati	5.78	3.43	6.52	-0.74	-3.09
17	Dhamanaganda	4.70	0.02	3.34	1.36	-3.32
18	Dhaulapur	6.32	4.91	8.45	-2.13	-3.54
19	Disarikaraguda-New Colony	7.90	7.04	8.38	-0.48	-1.34
20	Doraguda	6.90	5.59	7.09	-0.19	-1.50
21	Dumuriput	9.00	6.25	9.85	-0.85	-3.60
22	Ghatarala	6.65	2.91	3.49	3.16	-0.58
23	Gumur	5.20	1.68	4.00	1.20	-2.32
24	Jayantigiri	6.55		5.08	1.47	
25	Jeypore1	7.68	5.19	8.32	-0.64	-3.13
26	Jujari	3.85	2.08	2.68	1.17	-0.60
27	Kakriguma	10.92	7.18	11.84	-0.92	-4.66
28	Kantarkhal 1		1.31			
29	Kenduguda	2.10	1.11	1.15	0.95	-0.04
30	Khaliaguda	6.95	4.16	2.38	4.57	1.78
31	Konga	4.60	3.31	3.24	1.36	0.07
32	Koraput-i	10.50	7.44	10.44	0.06	-3.00
33	Koraput-ii	6.40	1.46	5.83	0.57	-4.37
34	Kotpad	5.50	1.88	3.80	1.70	-1.92
35	Kunduli	7.98	5.24	6.36	1.62	-1.12
36	Kusumguda	8.20	6.34	7.86	0.34	-1.52
37	Lamtaput	6.56	2.47	9.08	-2.52	-6.61
38	Laxmipur1	9.75	9.32	9.14	0.61	0.18
39	Mandalguda Colony	6.10	7.81	7.93	-1.83	-0.12
40	Miriguda	4.40	1.73	5.83	-1.43	-4.10
41	Mundaguda	6.70	4.37	7.23	-0.53	-2.86
42	Nandapur	5.73	3.26	5.21	0.52	-1.95
43	New Ghasarda	5.95	2.23	6.48	-0.53	-4.25
44	Panasaputbagh	3.80	1.68	1.99	1.81	-0.31

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
45	Panchada	3.90	4.52	7.02	-3.12	-2.50
46	Patraput	8.30	3.06	7.21	1.09	-4.15
47	Pitaguda	15.60	12.76	14.17	1.43	-1.41
48	Podagada 1		6.31			
49	Potangi	8.63	3.17	6.30	2.33	-3.13
50	Ramgiri1	8.70	1.86	6.65	2.05	-4.79
51	Randapalli-Bj-I	6.40	3.28	4.18	2.22	-0.90
52	Sasanhandi-ii	4.70	3.06	2.24	2.46	0.82
53	Satsimile	10.25	7.62	8.65	1.60	-1.03
54	Similiguda1	4.85	3.42	5.15	-0.30	-1.73
55	Soguru	7.07	5.97	8.07	-1.00	-2.10
56	Subai	7.20	7.38	8.25	-1.05	-0.87
57	Sunki 1	7.90	5.34	8.34	-0.44	-3.00
58	Tanginiguda	4.00	1.96	4.02	-0.02	-2.06
59	Teraguda	8.40	6.79	8.75	-0.35	-1.96
60	Tikaguda		3.32			
61	Umeri1	6.95	2.84	5.64	1.31	-2.80

DISTRICT: MALKANGIRI

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
1	Balimela		1.15			
2	Balimela Chowk	4.45	1.47	4.93	-0.48	-3.46
3	Bejaguda		5.71			
4	Chitapari	2.90	1.48	4.79	-1.89	-3.31
5	Govindpali 1	5.65	3.76	5.77	-0.12	-2.01
6	Katameta	3.00	1.02	3.99	-0.99	-2.97
7	Khairput1	4.55	1.57	3.97	0.58	-2.40
8	Korukonda 1	4.20	2.11	3.70	0.50	-1.59
9	Kudumuluguma1	3.95	1.36	3.19	0.76	-1.83
10	Kumbharguda	3.75	0.88	3.37	0.38	-2.49
11	M.V 37	3.20	2.14	3.49	-0.29	-1.35
12	M.V.7	9.75		8.67	1.08	
13	M.V.9	9.00	1.09	7.08	1.92	-5.99
14	M.V1- 19	6.65		4.21	2.44	
15	Maithili1	5.80	1.16	4.18	1.62	-3.02
16	Malkangiri 1	5.75	1.91	4.26	1.49	-2.35
17	Mundiguda	4.80	1.09	4.00	0.80	-2.91
18	Parkannala	6.00	1.98	5.91	0.09	-3.93
19	Pongam	6.00	2.19	6.03	-0.03	-3.84
20	Sindhimal	5.70	0.99	5.71	-0.01	-4.72
21	Somnathpur 1	4.60	2.40	3.44	1.16	-1.04

DISTRICT: MAYURBHANJ

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
1	(Astia) Baripada		6.70			
2	Amarda village	3.65	1.65	5.00	-1.35	-3.35
3	Ambadiha	0.70	3.59	3.53	-2.83	0.06
4	Asanbani	4.45	4.35	5.60	-1.15	-1.25
5	Badampahad-1	5.52	6.02	9.15	-3.63	-3.13
6	Badasahi	3.32	2.12	4.38	-1.06	-2.26
7	Badchatra		3.00			
8	Bademtolia	6.05	2.55	6.21	-0.16	-3.66
9	Bagra	2.45	2.60	5.53	-3.08	-2.93
10	Bahalda	3.80				
11	Bahalda 1		2.95	6.21		-3.26
12	Bahalda Road(kona)	1.61	2.49	4.89	-3.28	-2.40
13	Baidipur	3.50	3.10	4.30	-0.80	-1.20
14	Bangriposi	7.93	8.33	8.55	-0.62	-0.22
15	Baripada	13.48		13.92	-0.44	
16	Baripada 1		7.10			
17	Baura		3.60			
18	Bedhakudar	6.20	8.50	7.15	-0.95	1.35
19	Begna	6.30	1.80	7.85	-1.55	-6.05
20	Belam	4.14	2.64	5.82	-1.68	-3.18
21	Betanoti	2.05	1.70	6.00	-3.95	-4.30
22	Bhatachhatra	2.00	3.00	5.22	-3.22	-2.22
23	Bisoi	4.35	3.20	8.58	-4.23	-5.38
24	Brundabanchan	4.28	4.68	5.96	-1.68	-1.28
25	Brushavanupur		4.30			
26	Budhamara	4.60	3.80	5.10	-0.50	-1.30
27	Chadheibhol	3.30	2.46	5.22	-1.92	-2.76
28	Champajhar	1.35	2.10	4.40	-3.05	-2.30
29	Champrai	2.50	2.95	5.15	-2.65	-2.20
30	Charchakia		6.40			
31	Chitrada	7.90	4.20	6.53	1.37	-2.33
32	Dahisahi (Banki sole)		4.50			
33	Dahisahi-Dipasahi		3.50			
34	Dandabose	6.05	1.75	6.48	-0.43	-4.73
35	Devsol	5.45	3.20	6.02	-0.57	-2.82
36	Dhampur		4.80			
37	Dukura	3.31	5.01	5.91	-2.60	-0.90
38	Gambharia	5.33	1.18	6.23	-0.90	-5.05
39	Gorumahisani		3.02			
40	Hatibandha		2.00			
41	Hatjori	1.31		4.10	-2.79	
42	Indupur	5.47	2.26	5.55	-0.08	-3.29
43	Itighar	2.90	2.78	5.90	-3.00	-3.12
44	Jamda 1		2.50			
45	Jamsola	5.55	1.85	8.10	-2.55	-6.25

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
46	Jamukeswar	2.45	2.41	3.95	-1.50	-1.54
47	Jharpokhari	4.37	2.57	6.23	-1.86	-3.66
48	Jhunkapal	4.85	3.44	6.95	-2.10	-3.51
49	Kalabadia		2.80			
50	Kalana	3.35	2.25	4.22	-0.87	-1.97
51	Kaptipada 1		6.10			
52	Karanjei-Bijatola Chhak	1.75	2.23	4.25	-2.50	-2.02
53	Kendujani	8.14	2.19	7.13	1.01	-4.94
54	Kendumundi	3.80	2.55	4.77	-0.97	-2.22
55	Keshapur(Jaypur)		3.80			
56	Kherna	2.15	2.55	6.93	-4.78	-4.38
57	Khiching	6.64	2.79	7.66	-1.02	-4.87
58	Khunta	3.95	4.80	5.80	-1.85	-1.00
59	Kostha	5.79	1.99	6.59	-0.80	-4.60
60	Krishnachandrap	9.52	7.62	10.62	-1.10	-3.00
61	Kuchei	2.45	1.90	4.03	-1.58	-2.13
62	Kukurdimia		1.20			
63	Kuliana	4.33	6.93	7.87	-3.54	-0.94
64	Mahuldia	2.69	1.99	5.54	-2.85	-3.55
65	Mananda	8.75	4.80	7.83	0.92	-3.03
66	Manda	1.98	2.03	5.69	-3.71	-3.66
67	Manitri (Mallihati)		10.30			
68	Matigarh	5.30		5.80	-0.50	
69	Moranda	3.20	1.05	5.79	-2.59	-4.74
70	Mundripal (Bankisole)		3.80			
71	Nada	5.70	2.78	7.34	-1.64	-4.56
72	Naujara	1.72	2.42	6.03	-4.31	-3.61
73	Nechuapada	6.09	4.29	6.87	-0.78	-2.58
74	Niranjan	4.83	2.13	7.55	-2.72	-5.42
75	Nischintapur	3.98	3.23	7.26	-3.28	-4.03
76	Padampur	1.60	1.18	3.89	-2.29	-2.71
77	Pakatia		2.70			
78	Pathuri	5.38	2.78	6.76	-1.38	-3.98
79	Patpur (Talpada)		1.55			
80	Pithabata	5.12	3.02	9.79	-4.67	-6.77
81	Poilakunda	4.50	2.80	6.82	-2.32	-4.02
82	Poradiha	4.72	3.02	4.79	-0.07	-1.77
83	Purunapani	5.00	2.10	6.95	-1.95	-4.85
84	Rajabasa	8.25		8.94	-0.69	
85	Raruan		1.97			
86	Rashgovindpur 1		6.00			
87	Sapanpuar		3.50			
88	Saraskona	5.03	3.13	5.06	-0.03	-1.93
89	Satkosia	9.30	2.76	7.83	1.47	-5.07
90	Shamakunta	6.10	2.70	6.97	-0.87	-4.27
91	Similibandh	3.77		5.84	-2.07	

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
92	Singada Chhak	1.50	3.08	4.84	-3.34	-1.76
93	Sirsapal		2.60			
94	Sullyapada	5.89	6.54	7.14	-1.25	-0.60
95	Talia		4.85			
96	Taramara	5.50	4.25	7.30	-1.80	-3.05
97	Tato	13.55	2.70	10.80	2.75	-8.10
98	Thakurmunda		2.45			
99	Thianali	4.80				
100	Tiring	1.54	2.99	4.97	-3.43	-1.98
101	Tongabila Chhak	3.95	1.90	5.98	-2.03	-4.08
102	Udala		2.36			
103	Urmala		2.00			
104	Vejadiha		2.38			
105	Vurusani		3.30			

DISTRICT: NABARANGAPUR

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
1	Anchalguma1	5.53	1.87	5.94	-0.41	-4.07
2	Baheda	7.20	2.74	7.70	-0.50	-4.96
3	Baksaguda	5.50	3.99	6.03	-0.53	-2.04
4	Bhaskel-dam sit	5.70	5.18	6.45	-0.75	-1.27
5	Daibata	8.80	4.19	8.31	0.49	-4.12
6	Debugaon	4.00	4.01	3.98	0.02	0.03
7	Dengaguda	6.10	1.84	5.99	0.11	-4.15
8	Digi	6.70	2.09	5.40	1.30	-3.31
9	Dondasora	4.72	1.11	4.05	0.67	-2.94
10	Fufugaon	6.20	2.94	5.98	0.22	-3.04
11	Jharigan	6.99		6.58	0.41	
12	Karchamal	8.80	3.84	9.28	-0.48	-5.44
13	Kodinga	4.54	1.78	7.01	-2.47	-5.23
14	Kosagumunda	6.50		5.19	1.31	
15	Kosagumunda 1		4.11			
16	Kurlaghati	3.70	1.42	3.76	-0.06	-2.34
17	Maidalpur1	3.94	0.91	6.52	-2.58	-5.61
18	Nandahandi	5.20	3.06	5.31	-0.11	-2.25
19	Nowrangpur 1	1.40	1.59	2.75	-1.35	-1.16
20	Papadahandi1	3.65	4.97	6.26	-2.61	-1.29
21	Raighar		3.54			
22	Rangamatiguda	10.30	5.96	9.72	0.58	-3.76
23	Sagarmunda	5.60	2.49	4.12	1.48	-1.63
24	Sonamasigan	5.95				
25	Sonamasigan 1		1.52	6.70		-5.18
26	Tentulikunti 1	3.65	1.91	5.42	-1.77	-3.51
27	Udaipur	4.20	2.11	3.79	0.41	-1.68
28	Umarkot	2.71	0.68	3.49	-0.78	-2.81

DISTRICT: NAYAGARH

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
1	Adakata	5.50	2.65	5.22	0.28	-2.57
2	Andapali		0.90			
3	Bada-Pandeswar	2.65	1.60	4.80	-2.15	-3.20
4	Banigocha	8.30	3.45	8.56	-0.26	-5.11
5	Bhapur1	6.13		6.22	-0.09	
6	Bherupada	6.50	1.75	6.81	-0.31	-5.06
7	Darpa-Narayanpur 1		1.45			
8	Daspalla Market	2.35	1.65	3.02	-0.67	-1.37
9	Daspalla-i	3.24	4.54	6.57	-3.33	-2.03
10	Durga Prasad	7.10	3.10	7.71	-0.61	-4.61
11	Gamasalia (Dhipisahi)	5.55	1.75	5.22	0.33	-3.47
12	Gania	3.60	3.45	5.41	-1.81	-1.96
13	Gasisevipur	4.15	1.25	4.17	-0.02	-2.92
14	Ghholahandi	5.45	1.60	5.70	-0.25	-4.10
15	Itamati (Manjuriapali)	2.20	0.95	3.43	-1.23	-2.48
16	Jhada Gadia	4.05		5.29	-1.24	
17	Jogibandh	3.65	0.83	3.86	-0.21	-3.03
18	Kana Singhi	3.85	2.00	3.74	0.11	-1.74
19	Kantilo		0.01			
20	Khandapada	8.73	4.18	8.82	-0.09	-4.64
21	Kishore Prasad		2.40			
22	Koilama	6.40	2.30	8.08	-1.68	-5.78
23	Kuanria	3.40	0.70	4.17	-0.77	-3.47
24	Kuluru Kumpa	2.85	0.75	2.90	-0.05	-2.15
25	Kumbharpara	3.05		4.40	-1.35	
26	Madhyakhand 2		1.10			
27	Mahipur	3.82	1.72	4.17	-0.35	-2.45
28	Nayagarh	1.75	0.05	2.99	-1.24	-2.94
29	Nayagarh 3	1.25		2.26	-1.01	
30	Nuabausabati (upper Bausabati)	5.20	2.20	4.95	0.25	-2.75
31	Nuagaon1	4.45	3.20	4.70	-0.25	-1.50
32	Odagaon	3.73	2.10	4.55	-0.82	-2.45
33	Purusottampur	2.62	1.02	4.32	-1.70	-3.30
34	Rangamatia	6.38	2.03	6.77	-0.39	-4.74
35	Ranpur 1	3.99	3.19	5.58	-1.59	-2.39
36	Sampada	6.75	1.70	7.46	-0.71	-5.76
37	Sanagada		1.65			
38	Sarankul	2.45	1.80	3.86	-1.41	-2.06
39	Subalaya		0.86			
40	Takara	6.62	3.22	6.04	0.58	-2.82

DISTRICT: NUAPADA

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
1	Bada-Maheswar	7.22	3.50	6.37	0.85	-2.87
2	Bargaon-k	6.83	3.42	6.40	0.43	-2.98
3	Bhajipala	3.58	3.50	4.64	-1.06	-1.14
4	Darlimunda	4.60		4.27	0.33	
5	Deobahal	3.57	1.65	3.64	-0.07	-1.99
6	Dharambandah	3.23	2.08	3.56	-0.33	-1.48
7	Ghantiguda	2.85	0.90	3.13	-0.28	-2.23
8	Godphula	6.84	2.94	6.16	0.68	-3.22
9	Gotama	8.30	4.95	6.59	1.71	-1.64
10	Junani	4.91	2.00	5.20	-0.29	-3.20
11	Kalyanpur	9.61	3.55	6.19	3.42	-2.64
12	Khariar	7.07	3.42	8.42	-1.35	-5.00
13	Komna1	6.25	3.87	5.83	0.42	-1.96
14	Padampur	3.75	1.60	4.43	-0.68	-2.83
15	Patparpali	3.97	2.12	3.79	0.18	-1.67
16	Potora	2.34		2.57	-0.23	
17	Ranipur	6.12	3.45	5.29	0.83	-1.84
18	Sahipala	3.17	3.60	3.76	-0.59	-0.16
19	Sanmaheswar	5.85	3.20	6.08	-0.23	-2.88
20	Somarsingh	7.01		6.96	0.05	
21	Tarbod	5.71		4.88	0.83	

DISTRICT: PURI

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
1	Algum	2.22	1.47	2.88	-0.66	-1.41
2	Alipada	2.55	1.80	3.04	-0.49	-1.24
3	Astarang	2.10	1.15	3.09	-0.99	-1.94
4	Balanga	1.95		3.53	-1.58	
5	Balanga 1		1.30			
6	Baleshwarpatna	0.94	0.99	1.70	-0.76	-0.71
7	Balighai	2.18	1.58	2.36	-0.18	-0.78
8	Baliguari	1.25	0.85	1.69	-0.44	-0.84
9	Biragobind(Dakhina Kali)	2.26	1.16	2.23	0.03	-1.07
10	Bisimatri	5.48	1.80	5.27	0.21	-3.47
11	Brahmagiri	1.79	0.99	2.60	-0.81	-1.61
12	Budhiabar	2.11	1.66	2.16	-0.05	-0.50
13	Burhapara		2.00			
14	Chandanpur	3.57	3.77	4.57	-1.00	-0.80
15	Charichhak	4.50	1.20	4.46	0.04	-3.26
16	Chhanijanga		0.90			
17	Dandamkundpur	2.90	1.05	3.95	-1.05	-2.90
18	Delang	1.59	0.69	1.95	-0.36	-1.26
19	Dhauri		7.14			
20	Garapada	2.02	1.57	3.96	-1.94	-2.39
21	Girala	1.80	1.07	2.57	-0.77	-1.50
22	Gokhara	1.40	0.70	1.91	-0.51	-1.21
23	Gola	2.28	1.18	2.28	0.00	-1.10
24	Gop 1	3.20	1.05	2.83	0.37	-1.78
25	Haripur	3.45	0.90	3.84	-0.39	-2.94
26	Harirajpur	7.15	3.25	7.28	-0.13	-4.03
27	Jagannathpur	3.92	1.52	3.50	0.42	-1.98
28	Jogeswarpur	4.80	2.15	4.43	0.37	-2.28
29	Juinti	4.28	1.88	3.91	0.37	-2.03
30	Kakatpur li	5.00	3.25	4.85	0.15	-1.60
31	Kalyanpur	1.70	1.15	1.70	0.00	-0.55
32	Kanas	1.40	1.30	2.25	-0.85	-0.95
33	Konark 1	3.85	1.40	3.62	0.23	-2.22
34	Kurujanga		1.03			
35	Madrang	2.98	0.93	3.70	-0.72	-2.77
36	Mahapur	3.78	2.53	3.69	0.09	-1.16
37	Mangalpur	1.86	0.26	2.00	-0.14	-1.74
38	Maunimatha	1.90	1.15	1.99	-0.09	-0.84
39	Nimapara 2	3.10	1.55	3.35	-0.25	-1.80
40	Nuasomeswarpur	2.43	1.23	3.06	-0.63	-1.83
41	P-01 Krupa Sindura Patna	3.06	2.70	3.36	-0.30	-0.66
42	P-03 Police Lane	1.80	1.00	1.80	0.00	-0.80
43	P-06 Chhapana Chhak	1.45	1.00	1.95	-0.50	-0.95
44	P-07 Gauda Bada Sahi	4.79	3.29	4.69	0.10	-1.40
45	P-11 Sadar Block Colony	3.45	2.60	3.51	-0.06	-0.91
46	P-12 ITI Chhak	3.75	3.45	4.22	-0.47	-0.77

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
47	P-16 Narendra Kona	1.15	0.95	2.29	-1.14	-1.34
48	P-18 Tota Sahi	2.90	1.95	3.60	-0.70	-1.65
49	P-19 Kashi Jagannathpur		1.23			
50	P-21 Sriram Talkies Chhak	0.40	0.10	0.40	0.00	-0.30
51	P-23 Hara Gouri Sahi		1.40			
52	P-24 Balagandi	4.55	4.05	4.42	0.13	-0.37
53	P-30 Jagannath Temple		7.30			
54	P-31 Sweta Ganga		3.50			
55	P-32 Gobardhan Matha	3.92	3.12	4.39	-0.47	-1.27
56	P-33 Sorbodaya Nagar	2.10	1.80	2.51	-0.41	-0.71
57	P-34 Sidha Mahavir	1.40	1.15	2.39	-0.99	-1.24
58	P-35 Indira Mark Colony	4.40	3.50	4.87	-0.47	-1.37
59	P-36 Kumbharapada	3.10	2.70	3.54	-0.44	-0.84
60	P-37 Jagannatha Ballava Matha	2.60	2.40	2.32	0.28	0.08
61	P-38 Gosala	7.67				
62	P-41 Grand Road	3.94	3.49	3.99	-0.05	-0.50
63	P-42 Balighat	1.40	1.35	1.90	-0.50	-0.55
64	P-43 Dola Mandap Sahi	7.74	6.44			
65	P-44 Jagannath temple	6.26	5.51	6.23	0.03	-0.72
66	P-45 Balipur	1.27		1.37	-0.10	
67	P-46 Behrasahi	1.64	1.09	1.41	0.23	-0.32
68	P-47 Ramchandisahi		4.30			
69	P-48 Sonar Gauranga		7.05			
70	P-49 Dola Mandap Sahi		6.05			
71	P-50 Baselisahi		7.95			
72	Pipli	1.73	1.53	3.44	-1.71	-1.91
73	Pratapramchandr	1.48	0.23	2.09	-0.61	-1.86
74	Puri town	1.73		2.26	-0.53	
75	Ramchandi	6.23	5.63	6.23	0.00	-0.60
76	Ramchandrapur	2.95	2.55	2.95	0.00	-0.40
77	Rebana nuagaon	1.90	0.85	2.46	-0.56	-1.61
78	Rendagada	1.65	1.55	2.00	-0.35	-0.45
79	Sadanandapur	0.60	0.05	1.56	-0.96	-1.51
80	Sakhigopal	1.65	0.50			
81	Sakhigopal 3	2.40	1.65	2.23	0.17	-0.58
82	Satapada-I	8.85	8.30			
83	Tikarpara1	2.85	1.65	2.88	-0.03	-1.23
84	Totasahi	2.90	1.95	3.86	-0.96	-1.91
85	Tulasichoura-Malatipatapur	1.70	1.35	2.20	-0.50	-0.85
86	Uansdiha	1.20	1.15	2.21	-1.01	-1.06

DISTRICT: RAYAGADA

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
1	Akhusingi	3.30	0.89	2.95	0.35	-2.06
2	Ambadola	6.74	6.43	8.39	-1.65	-1.96
3	Bangi Chowk	4.90	1.87	5.19	-0.29	-3.32
4	Chakunda	5.80	3.12	5.08	0.72	-1.96
5	Dambasara	1.15	1.49	2.10	-0.95	-0.61
6	Gorakhpur	5.40	3.99	4.29	1.11	-0.30
7	Gumda	3.63		2.68	0.95	
8	Gumma	2.20	1.61	2.17	0.03	-0.56
9	Gunupur1	4.20	0.20	4.54	-0.34	-4.34
10	Kaliapada	4.70	3.40	4.02	0.68	-0.62
11	Kashipur	10.50	9.53	12.06	-1.56	-2.53
12	Kenduguda	3.65	3.18	4.36	-0.71	-1.18
13	Kodapadu	6.70	6.07	6.46	0.24	-0.39
14	Minajhola	2.65	2.44	3.06	-0.41	-0.62
15	Mukundpur	3.26	1.07	6.00	-2.74	-4.93
16	Narainpur	4.10	1.12	4.26	-0.16	-3.14
17	Nua Dakasikula	2.50	0.91	2.60	-0.10	-1.69
18	Padampur2	2.60	1.06	2.14	0.46	-1.08
19	Ramnaguda2	6.00	0.40	4.84	1.16	-4.44
20	Shirikona	6.48	5.74	7.15	-0.67	-1.41
21	Tandikana	6.20	1.49	3.68	2.52	-2.19
22	Therabali	10.82	5.28	8.65	2.17	-3.37

DISTRICT: SAMBALPUR

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
1	Amlipani	5.04	4.00	7.86	-2.82	-3.86
2	Babubandha	1.68	0.68	1.01	0.67	-0.33
3	Badarama	6.95		6.59	0.36	
4	Badsahir	6.09	2.20	6.62	-0.53	-4.42
5	Baduapali	1.27	1.07	1.39	-0.12	-0.32
6	Baijamunda	7.10	6.00	6.94	0.16	-0.94
7	Bampe		5.45			
8	Bamra	9.68	3.66	8.09	1.59	-4.43
9	Baragaon	5.55	1.60	5.25	0.30	-3.65
10	Barodungri (Orampara)	5.88	1.65	5.63	0.25	-3.98
11	Batemura	6.50		6.50	0.00	
12	Bausenmura	3.13	1.47	3.26	-0.13	-1.79
13	Bhabanipali	6.37	2.82	8.00	-1.63	-5.18
14	Bhaluchuan	4.00	1.45	4.38	-0.38	-2.93
15	Bhoipali	1.05	0.70	2.56	-1.51	-1.86
16	Boxma	5.32	1.95	5.63	-0.31	-3.68
17	Chandrapura	11.60	7.40	11.40	0.20	-4.00
18	Charmal	9.10	5.57	9.24	-0.14	-3.67
19	Chhachanpali		1.02			
20	Chiplima	1.10	0.40	0.55	0.55	-0.15
21	Christianpara	0.50	0.35	0.89	-0.39	-0.54
22	Daincha	3.65	3.65	5.44	-1.79	-1.79
23	Dandeipalli	1.61	1.10	0.91	0.70	0.19
24	Deogaon	3.10	2.55	2.72	0.38	-0.17
25	Dhama	3.60	2.40	7.02	-3.42	-4.62
26	Dhanakauda	2.94	1.99	2.88	0.06	-0.89
27	Dhanupalli		1.51			
28	Gainpura	5.05	2.40	5.42	-0.37	-3.02
29	Gargarbahal	6.05	0.95	6.26	-0.21	-5.31
30	Golgunda		1.50			
31	Gosala	6.88	2.23	4.14	2.74	-1.91
32	Goudpalli 1		4.00			
33	Gunchamal	6.42	4.02	6.55	-0.13	-2.53
34	Gunderpur	4.22	2.22	4.04	0.18	-1.82
35	Hathibari	4.85	1.60	6.06	-1.21	-4.46
36	Hirakud		1.10	2.19		-1.09
37	Jamadaripali	7.47	3.02	6.97	0.50	-3.95
38	Jamankira 1	4.32	1.40	4.45	-0.13	-3.05
39	Jayantpur	4.19	1.24	3.25	0.94	-2.01
40	Jhankarbahali	3.34	0.44	3.61	-0.27	-3.17
41	Jhargulanda	5.28	2.50			
42	Jhargulanda 1		2.50	5.17		-2.67
43	Jugipali	4.67	1.52	5.22	-0.55	-3.70
44	Jujhumura	7.56		8.18	-0.62	
45	Kadalipali	5.38	2.55	5.02	0.36	-2.47

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
46	Kansabahal Sahi	4.13		4.27	-0.14	
47	Katar Kela		3.40			
48	Kesaibahal	5.42	2.50	5.62	-0.20	-3.12
49	Khunti	5.60	1.28	6.32	-0.72	-5.04
50	Koakud	4.50	3.10	5.27	-0.77	-2.17
51	Kuagola	6.38	3.70	7.04	-0.66	-3.34
52	Kuchinda	6.36	3.82	6.18	0.18	-2.36
53	Kusumi	6.83	3.68	4.92	1.91	-1.24
54	Larasara	7.95	3.10	8.24	-0.29	-5.14
55	Loiraguna	5.39	2.26	4.90	0.49	-2.64
56	Luhapank	7.65		7.75	-0.10	
57	Majhipal	3.44	2.50	3.39	0.05	-0.89
58	Malgun		0.50			
59	Maltisubanpur	2.25	2.85	2.51	-0.26	0.34
60	Maneswar		1.89			
61	Maneswar 1		1.75			
62	Mochibahal	6.09	4.34	6.45	-0.36	-2.11
63	Nagadihi Chawk	3.75	1.75	3.88	-0.13	-2.13
64	Naktideol	8.28	4.40	7.90	0.38	-3.50
65	Naxapali	4.99	1.25	6.90	-1.91	-5.65
66	Nildungri	6.00	2.66	5.36	0.64	-2.70
67	Padiabahal	6.70	2.95	6.18	0.52	-3.23
68	Parmanpur	6.50	1.35	5.70	0.80	-4.35
69	Paruabhari		2.45			
70	Paruabhari 1		2.00			
71	Pitapali	2.00	1.60	2.37	-0.37	-0.77
72	Rairakhol(rampu	7.32	3.17	7.75	-0.43	-4.58
73	Remerha	1.64	0.94	1.62	0.02	-0.68
74	Rengali	6.41	1.56	6.31	0.10	-4.75
75	Rupapali	6.60	5.00	6.33	0.27	-1.33
76	Sahaspur	5.10	1.90	5.32	-0.22	-3.42
77	Sambalpur	6.22	5.04	6.09	0.13	-1.05
78	Sason1	1.66	1.36	1.34	0.32	0.02
79	Simlipal Chawk	4.08		4.49	-0.41	
80	Subarna Pali	5.65	2.00	5.83	-0.18	-3.83
81	Talpali		0.20			
82	Telitimamal	7.28	3.80	5.80	1.48	-2.00
83	Terebera	5.60	2.90	5.91	-0.31	-3.01

DISTRICT: SONAPUR

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
1	Ankhidadar	7.50	2.05	5.10	2.40	-3.05
2	Antarda	2.18	1.37	1.83	0.35	-0.46
3	Arjunpur	6.90	2.70	7.23	-0.33	-4.53
4	Bagdiha	2.60	1.70	3.34	-0.74	-1.64
5	Bagduli	4.84	2.38	4.75	0.09	-2.37
6	Baghahandi	1.72	1.55	1.60	0.12	-0.05
7	Baladi	5.84		6.00	-0.16	
8	Barkarle		1.85			
9	Bausuni	5.78	2.83	5.75	0.03	-2.92
10	Bhimtikra	1.00	1.00	0.91	0.09	0.09
11	Binika	4.03		3.29	0.74	
12	Biramaharajpur	6.81	1.81	7.05	-0.24	-5.24
13	Bishalpali	4.70	2.00	4.39	0.31	-2.39
14	Borumunda	6.55	3.19	6.31	0.24	-3.12
15	Chandajhuri		3.40			
16	Charuapali (new)	1.80		2.28	-0.48	
17	Charuapali1		0.55			
18	Danipali	3.30	1.34	2.02	1.28	-0.68
19	Dhurakhaman	1.84	1.49	1.82	0.02	-0.33
20	Dungripalli	1.02				
21	Gajabandhu	0.77	0.67	1.45	-0.68	-0.78
22	Gambharipalli	0.77	0.57	0.66	0.11	-0.09
23	Gariamunda	4.50	1.40	4.34	0.16	-2.94
24	Ichhapur1	3.35	2.00	2.99	0.36	-0.99
25	Jatesingha	6.22	1.72			
26	Karlajuri	4.60	1.40	5.16	-0.56	-3.76
27	Karttanga	4.60	0.87	4.26	0.34	-3.39
28	Khaliapali	6.61	3.06	6.92	-0.31	-3.86
29	Koiramunda		3.70			
30	Kotasamalai	5.15	0.65	5.07	0.08	-4.42
31	Mahada	6.15	1.55	6.13	0.02	-4.58
32	Mahadevpali	7.04	1.46	6.09	0.95	-4.63
33	Metakani	3.04	0.74	6.45	-3.41	-5.71
34	Naikpada	6.30	1.50	6.17	0.13	-4.67
35	Nandanamal	4.20	1.01	4.35	-0.15	-3.34
36	Palsapadar	3.53	1.34	4.00	-0.47	-2.66
37	Phulmuthi	4.46	2.36	4.10	0.36	-1.74
38	Rampur	6.65	4.07	5.94	0.71	-1.87
39	S Patrapali		3.00			
40	Sakama	6.94	4.64	6.73	0.21	-2.09
41	Saledi	5.78	3.23	6.14	-0.36	-2.91
42	Samalaichuan	2.20	1.97	2.14	0.06	-0.17
43	Sankara		0.40			
44	Sankara1	2.08		1.25	0.83	
45	Sansamura	6.90	1.53	4.61	2.29	-3.08
46	Sarangapali	1.96	1.24	1.71	0.25	-0.47

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
47	Sarasmal	1.78	1.38	2.75	-0.97	-1.37
48	Sargaj 1	6.24	5.28	5.92	0.32	-0.64
49	Sindol	3.07	1.12	3.18	-0.11	-2.06
50	Singhijuba	1.90		1.62	0.28	
51	Sonepur	7.60	3.00	7.64	-0.04	-4.64
52	Subalaya	7.57	3.97	7.48	0.09	-3.51
53	Tebhapadar	7.13	2.28	6.99	0.14	-4.71
54	Ulunda	5.90	1.10	6.05	-0.15	-4.95

DISTRICT: SUNDARGARH

Sl No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
1	Alikera	8.19	7.49	9.82	-1.63	-2.33
2	Badbahal	4.42	1.85	4.59	-0.17	-2.74
3	Balijori	4.45	3.05	4.61	-0.16	-1.56
4	Banki	9.57	3.60	10.26	-0.69	-6.66
5	Bargad	6.70	3.10	6.32	0.38	-3.22
6	Bargaon	5.10	2.05	4.77	0.33	-2.72
7	Bhasma	5.65	3.00	5.59	0.06	-2.59
8	Bihabandh Chawk	10.45	5.17	10.41	0.04	-5.24
9	Birangatoli	8.77	2.95	9.28	-0.51	-6.33
10	Birmitrapur	2.20	1.65	2.75	-0.55	-1.10
11	Bondamunda	2.87	0.71	3.75	-0.88	-3.04
12	Chandiposh	4.16	0.51	5.24	-1.08	-4.73
13	Darjin	13.12	3.85	8.26	4.86	-4.41
14	Deokaranpur	5.70	2.95	5.97	-0.27	-3.02
15	Durubaga		2.90			
16	Ekma	3.96	3.70	5.09	-1.13	-1.39
17	Garjan Bahal	5.90	0.95	5.28	0.62	-4.33
18	Himgiri	8.10	2.60	10.94	-2.84	-8.34
19	Jagimal	5.72		5.76	-0.04	
20	Jharbera	8.79	4.29	10.00	-1.21	-5.71
21	Karamdihi	7.17	2.34	6.71	0.46	-4.37
22	Kinjrikela	6.85	3.65	6.50	0.35	-2.85
23	Kuarmunda	6.19	3.10	6.64	-0.45	-3.54
24	Kumajharia	3.87	1.25	3.94	-0.07	-2.69
25	Kutra	5.62	3.77	5.68	-0.06	-1.91
26	Lathikata	4.20	0.20	4.62	-0.42	-4.42
27	Laxmipos		1.33			
28	Ledhimang	6.25		6.51	-0.26	
29	Lefripada	10.81	7.96	10.83	-0.02	-2.87
30	Lokedega		3.70			
31	Mahulapali	4.38	2.75	3.73	0.65	-0.98
32	Mahulapali 1		3.05			
33	Medinipur	10.00	5.00	10.16	-0.16	-5.16
34	Moshani Kani		2.50			
35	Panchomahala 1	4.41	1.90	4.07	0.34	-2.17
36	Panderpali	11.30	4.80	8.84	2.46	-4.04
37	Putudihi		2.80			
38	R-01 Jalda C-Block	4.55	0.80	4.61	-0.06	-3.81
39	R-02 Jalda Rangila Chhak	2.35	1.75	2.66	-0.31	-0.91
40	R-06 Basanti Colony	2.98	1.81	2.32	0.66	-0.51
41	R-07 Udit Nagar-1	0.17	0.52	0.66	-0.49	-0.14
42	R-08 Udit Nagar-2	2.76	1.87	3.59	-0.83	-1.72
43	R-09 Power House Road	3.74	3.42	4.06	-0.32	-0.64
44	R-10 Raghunathpalli	2.73	1.60	3.66	-0.93	-2.06
45	R-11 Hanuman Batika	1.10	1.18	1.86	-0.76	-0.68

SI No.	Location	Water Level			Water Level Fluctuation in 2020/Apr with respect to	
		2019/Apr (mbgl)	2020/Nov (mbgl)	2020/Apr (mbgl)	2019/Apr (mbgl)	2020/Nov (mbgl)
46	R-12 Gangadharpally	3.73	4.45	4.96	-1.23	-0.51
47	R-13 Chhend	2.78	2.85	2.93	-0.15	-0.08
48	R-14 Banposh (Urban)	8.24	3.22	8.92	-0.68	-5.70
49	R-15 Bandamunda		4.57			
50	R-17 Jhumpudibasti(Nuabazar)	1.47	1.25	2.17	-0.70	-0.92
51	R-18 Koel Nagar	2.38	1.94	2.10	0.28	-0.16
52	R-19 Jagada		4.24			
53	R-20 Jhirpani	13.55	7.50	11.28	2.27	-3.78
54	R-21 Sector-1		6.07			
55	R-22 Sector-2	2.61		2.76	-0.15	
56	R-23 Sector-3	5.02	4.62	5.38	-0.36	-0.76
57	R-24 Sector-5	2.60	2.45	3.19	-0.59	-0.74
58	R-25 Ambagaon	3.39	3.10	3.11	0.28	-0.01
59	R-26 Sector-6	4.27	4.37	4.41	-0.14	-0.04
60	R-27 Sector-7	2.00	3.35	2.61	-0.61	0.74
61	R-28 Sector-8	2.45		3.10	-0.65	
62	R-29 Sector-9	3.34		3.71	-0.37	
63	R-30 Sector-13	2.97	2.12	3.70	-0.73	-1.58
64	R-31 Sector-14	7.14	5.20	7.47	-0.33	-2.27
65	R-32 Sector-20	4.83	4.75	4.62	0.21	0.13
66	R-33 Sector 18	5.58	5.53	5.95	-0.37	-0.42
67	R-34 Sector-17	1.89	1.87	2.25	-0.36	-0.38
68	R-35 Sector-16	7.30		8.42	-1.12	
69	R-36 Sector-15	2.41	2.43	2.75	-0.34	-0.32
70	R-37 Vedvyas	6.72	2.55	7.01	-0.29	-4.46
71	R-38 Kalunga	5.77	1.87	9.00	-3.23	-7.13
72	Rajgangpur	8.97	3.79	8.20	0.77	-4.41
73	Rangiamunda	8.02	1.99	7.22	0.80	-5.23
74	Sabdega	4.48	2.10	3.96	0.52	-1.86
75	Sargipali	3.65	1.33	4.38	-0.73	-3.05
76	Shahajbahal		2.40			
77	Sundargarh	4.39	3.01	3.08	1.31	-0.07
78	Surguda	11.35	9.50	11.01	0.34	-1.51
79	Talsara	5.97		5.65	0.32	
80	Uditnagar(rkl)	0.15	0.52	0.66	-0.51	-0.14
81	Zinc Nagar 1		2.80			

ANNEXURE - III

DISTRICT WISE CHEMICAL QUALITY OF NHS IN ODISHA (APRIL- 2019)

SI No	DISTRICT	BLOCK	SITE	PH	EC	TDS	TH	TA	CA	MG	NA	K	CO3	HCO ₃	CL ⁻	SO ₄ ⁻	F
					μS/cm at 25°C	mg/L	mg/L as CaCO ₃		mg/L								
1	ANUGUL	ANUGUL	Bantala	7.72	2000	986.21	740	707.38	145	91.96	140	2.34	0	863	134	73	0.256
2	ANUGUL	ANUGUL	Barhabahal	7.93	700	405.11	194	127.87	49	17.44	65	20.6	0	156	111	52	0.125
3	ANUGUL	ANUGUL	Jagannathpur	8	100	55	46	51.64	14	2.69	4	1	0	63	2	0	0.018
4	ANUGUL	ANUGUL	Nisa	7.83	900	492.18	219	231.15	51	22.31	68	75	0	282	129	47	0.208
5	ANUGUL	ANUGUL	Panchmahala	7.88	1450	720.5	311	368.85	20	63.48	194	2	0	450	213	55	1.17
6	ANUGUL	ANUGUL	Purnakot	8	450	218.31	179	179.51	20	31.39	21	1	0	219	22	9	0.255
7	ANUGUL	ANUGUL	Tikarpara	8.18	450	233.62	189	195.08	31	27.15	15	1	0	238	20	0	0.164
8	ANUGUL	ANUGUL	Tikarpara-ii	7.9	500	249.31	235	179.51	43	31.05	16	4	0	219	40	23	0.101
9	ANUGUL	ANUGUL	Tubey	7.93	1000	538.62	321	277.05	37	55.6	85	13	0	338	129	57	0.234
10	ANUGUL	ATHMALLIK	Athamallik 2	8	550	343.69	189	200	70	3.49	42	6.13	0	244	47	24	0.269
11	ANUGUL	ATHMALLIK	Thakurgarh 1	8	1000	455.31	296	302.46	33	51.95	95	1.5	0	369	94	35	0.845
12	ANUGUL	ATHMALLIK	Tileswar	8	450	265.25	194	184.43	25	32	18	1	0	225	22	9	0.291
13	ANUGUL	BANARPAL	Amna	7.95	1650	861.18	429	600	59	68.51	191	10.5	0	732	114	55	1.33
14	ANUGUL	BANARPAL	Angul1	7.9	1250	627.67	423	281.97	94	45.82	96	2.11	0	344	198	61	0.394
15	ANUGUL	BANARPAL	Banarpal1	8.16	1200	686.23	408	543.44	29	81.61	115	2.36	0	663	62	19	1.87
16	ANUGUL	BANARPAL	Bhogaberani	8.23	300	172.57	112	86.89	25	12.07	18	6.63	0	106	35	27	0.195
17	ANUGUL	BANARPAL	Kuio	7.7	1600	823.5	531	368.85	90	74.51	120	8	0	450	247	71	1.22
18	ANUGUL	BANARPAL	Kukurang	8.6	2250	1192.11	281	778.93	25	53.15	403	2.43	9	932	178	65	3.34
19	ANUGUL	BANARPAL	Mahidharpur	7.73	750	398.5	245	204.92	49	29.84	63	2	0	250	104	35	0.191
20	ANUGUL	BANARPAL	Tulsipal	7.68	1100	508.37	357	256.56	49	57.07	80	4	0	313	166	54	0.531
21	ANUGUL	CHHENDIPADA	Bagharia	7.86	1100	593	332	245.9	76	34.62	89	8	0	300	171	55	0.302
22	ANUGUL	CHHENDIPADA	Chendipada	7.88	1300	685.67	372	277.05	110	23.72	129	3.05	0	338	210	51	0.468
23	ANUGUL	CHHENDIPADA	Durgapur 1	8.12	750	370.55	246	225.41	92	4	51	17.8	0	275	72	45	0.261
24	ANUGUL	CHHENDIPADA	Jharpada	7.98	1050	487.31	393	343.44	45	68.25	65	1	0	419	104	46	0.478
25	ANUGUL	CHHENDIPADA	Kosala1	7.85	750	421.18	276	231.15	82	17.36	37	17	0	282	59	46	0.224

SI No	DISTRICT	BLOCK	SITE	PH	EC	TDS	TH	TA	CA	MG	NA	K	CO3	HCO ₃	CL ⁻	SO ₄ ⁻	F
					μS/cm at 25°C	mg/L	mg/L as CaCO ₃		mg/L								
26	ANUGUL	KANIHA	Balipeta	7.43	900	473.18	245	231.15	70	17.1	65	49	0	282	124	45	0.37
27	ANUGUL	KANIHA	Nialu	7.8	650	352.5	245	163.93	49	29.84	37	3.5	0	200	89	29	0.236
28	ANUGUL	KANIHA	Samal	7.99	600	340.18	163	231.15	29	22.04	71	3	0	282	40	17	1.35
29	ANUGUL	KANIHA	Sana Santrabandha	7.69	800	472.62	270	113.11	53	33.5	61	12	0	138	181	37	0.704
30	ANUGUL	KANIHA	Sipur	8.2	450	231.5	168	122.95	37	18.4	21	8	0	150	62	8	0.241
31	ANUGUL	KISHORENAGAR	Bamur	7.67	250	146.15	115	81.97	43	2	11	16.1	0	100	17	10	0.115
32	ANUGUL	KISHORENAGAR	Handpa	7.9	600	292.87	230	215.57	35	34.69	27	23	0	263	45	35	0.075
33	ANUGUL	PALALAHADA	Jamardihi	8	1400	723.12	337	318.03	37	59.49	180	2	0	388	210	66	1.2
34	ANUGUL	PALALAHADA	Khamar-1	7.75	500	309.12	168	72.13	49	11.12	30	6	0	88	124	0	0.076
35	ANUGUL	PALALAHADA	Pallahara1	7.86	300	220.94	97	86.89	33	3.57	28	4	0	106	45	9	0.053
36	ANUGUL	PALALAHADA	Srirampur	7.99	550	300.12	189	154.1	55	12.59	35	5	0	188	74	12	0.166
37	ANUGUL	TALACHER	Balanda	7.85	650	330.59	230	189.34	74	11.03	39	8.4	0	231	40	68	0.107
38	ANUGUL	TALACHER	Bhalugadia	8.2	2250	1193.94	383	636.07	98	33.67	281	114	0	776	260	66	0.732
39	ANUGUL	TALACHER	Chauliakata	7.9	700	370.06	240	253	35	37.12	54	1	0	309	49	24	1.6
40	ANUGUL	TALACHER	Godibandha	7.9	650	348.81	255	220.49	67	21.36	38	2	0	269	54	38	0.46
41	ANUGUL	TALACHER	Kumunda 1	7.91	1100	542.56	321	281.97	53	45.89	87	37	0	344	148	67	0.437
42	ANUGUL	TALACHER	Sendhogram	7.97	1550	784.24	235	472.13	18	46.22	260	3	0	576	168	65	1.78
43	ANUGUL	TALACHER	Talcher1	7.94	550	333.06	179	159.02	39	19.86	41	9	0	194	62	27	0.11
44	ANUGUL	TALACHER	Tentulai	7.97	2200	1124.49	526	574.59	18	116.9	216	104	0	701	294	68	1.02
45	BALANGIR	AGALPUR	Agalpur	7.67	390	210	128	124.59	39	7.46	34.0	1.53	0	152	40	14	0.417
46	BALANGIR	AGALPUR	Duduka	7.75	430	246	102	101.64	33	4.78	42	19	0	124	59	27.07	0.374
47	BALANGIR	AGALPUR	Uchchabahal	7.77	890	475	383	267.21	82	43.38	40	4.32	0	326	78	67.2	0.326
48	BALANGIR	BALANGIR	Bijakhman	7.8	1160	637	434	414.75	41	80.65	95	1.46	0	506	114	54.16	2.24
49	BALANGIR	BALANGIR	Bolangir-ii	7.74	1180	640	362	318.03	55	54.65	124	0.75	0	388	147	67.95	0.585
50	BALANGIR	BALANGIR	Chudapali	7.75	520	290	163	147.54	61	2.63	43	13	0	180	67	14.5	0.37
51	BALANGIR	BALANGIR	Dhumamara	7.63	1340	709	500	322.95	80	73.04	84	14	0	394	183	81.3	0.74

SI No	DISTRICT	BLOCK	SITE	PH	EC	TDS	TH	TA	CA	MG	NA	K	CO3	HCO ₃	CL ⁻	SO ₄ ⁻	F
					μS/cm at 25°C	mg/L	mg/L as CaCO ₃		mg/L								
52	BALANGIR	BALANGIR	Dudukasira	7.92	1010	555	362	363.93	49	58.29	94	3.3	0	444	93	38	1.7
53	BALANGIR	BALANGIR	Dulusara	7.72	270	174	128	96.72	49	1.4	15	1	0	118	48	1.93	0.359
54	BALANGIR	BALANGIR	Fasad	7.58	1140	607	372	409.84	72	46.77	105	10.2	0	500	121	6.26	0.64
55	BALANGIR	BALANGIR	Harbhanga	7.72	1640	829	510	318.03	104	60.91	93	58	0	388	216	106.5	0.361
56	BALANGIR	BALANGIR	Jhankar Pali	8.01	900	496	204	299.18	51	18.66	126	0.76	0	365	107	11.85	1.75
57	BALANGIR	BALANGIR	Madhiapali	8.29	510	269	219	216.39	51	22.31	20	4.7	0	264	29	12.81	0.381
58	BALANGIR	BALANGIR	Padampur	8.13	660	326	219	290.16	45	25.95	54	1.15	0	354	21	3.92	1.18
59	BALANGIR	BALANGIR	Pudapalli	7.54	620	313	214	258.2	61	15.03	43	7.52	0	315	29	3.23	0.347
60	BALANGIR	BALANGIR	Sinkhaman	7.75	1510	730	571	377.87	74	93.94	84	0.76	0	461	167	83.04	1.07
61	BALANGIR	BANGOMUNDA	Jorpada	7.97	490	241	189	207.38	53	13.8	23	0.4	0	253	24	1.8	1.08
62	BALANGIR	BANGOMUNDA	Nekpada	7.54	2130	1070	684	272.13	155	72.28	155	0.97	0	332	343	180.6	0.431
63	BALANGIR	BANGOMUNDA	Sindhikela (new)	7.6	1330	664	526	331.97	153	35.08	43	16.9	0	405	145	71.76	0.447
64	BALANGIR	BANGOMUNDA	Sindhikela1	8.05	490	274	179	207.38	41	18.65	47	1.42	0	253	29	11.84	0.923
65	BALANGIR	BANGOMUNDA	Titisilet	7.9	490	250	209	133.61	53	18.66	19	0.41	0	163	62	15.88	0.552
66	BALANGIR	BELPARA	Baijal Sagar	7.97	2260	1172	434	290.16	51	74.58	320	2.27	0	354	526	24	1.57
67	BALANGIR	BELPARA	Belpara	8.01	800	420	296	239.34	63	33.75	59	1.81	0	292	102	16.6	0.644
68	BALANGIR	BELPARA	Dumabata	7.64	1850	950	459	409.84	100	50.94	149	85	0	500	233	85.96	0.596
69	BALANGIR	BELPARA	Fattamunda	7.66	2170	1067	663	345.9	63	122.9	127	72	0	422	388	86.92	0.795
70	BALANGIR	BELPARA	Kapani	7.91	1320	637	531	359.84	65	89.67	52	13.2	0	439	136	65.65	0.451
71	BALANGIR	BELPARA	Lathor	7.7	990	500	291	179.51	57	36.17	87	1.26	0	219	143	68.27	0.598
72	BALANGIR	BELPARA	Nunhad	8.25	430	275	250	198.36	51	29.85	19	0.7	0	242	45	10.14	0.846
73	BALANGIR	DEOGAON	Balukunda	7.77	920	469	357	221.31	82	37.06	47	4.23	0	270	117	48.3	1.18
74	BALANGIR	DEOGAON	Kacherpalli (Deogaon)	8.26	920	543	265	354.92	76	18.33	47	102	0	433	64	23.13	0.614
75	BALANGIR	DEOGAON	Sagarpali	8.2	1030	503	383	313.11	72	49.44	58	4.47	0	382	76	53.72	2.57
76	BALANGIR	KHAPRAKHOL	Harisankar	7.7	80	41	31	31.97	8	2.68	4	1.29	0	39	5	0.34	0.25
77	BALANGIR	KHAPRAKHOL	Phulkimunda	8.3	1400	751	413	395.9	78	53.1	144	7.19	0	483	150	79.24	2.63

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					μ S/cm at 25°C	mg/L	mg/L as CaCO ₃		mg/L								
78	BALANGIR	LOISINGA	Banjipali	7.86	700	432	230	170.49	63	17.7	64	5.07	0	208	50	128.1	1.51
79	BALANGIR	LOISINGA	Burda	7.85	1850	964	597	423.77	69	103.2	171	3.65	0	517	309	54.39	0.528
80	BALANGIR	LOISINGA	Jogisarda	7.93	840	437	291	239.34	51	39.81	67	5.28	0	292	95	34.48	1.19
81	BALANGIR	LOISINGA	Loisinga	8.15	740	372	209	272.13	41	25.94	78	1.8	0	332	45	16.9	0.552
82	BALANGIR	MURIBAHAL	Bandupalla	7.87	750	396	230	207.38	47	27.41	31	60	0	253	78	28.28	0.454
83	BALANGIR	MURIBAHAL	Bongamunda	7.81	560	294	240	249.18	57	23.77	23	0.52	0	304	38	1.8	1.01
84	BALANGIR	MURIBAHAL	Gudighat	7.89	350	192	148	128.69	47	7.47	15	0.97	0	157	38	6.92	0.554
85	BALANGIR	MURIBAHAL	Haldia	7.76	1160	565	347	267.21	82	34.62	91	3.47	0	326	133	59.47	0.936
86	BALANGIR	MURIBAHAL	Jamut	7.83	650	365	276	235.25	74	22.21	37	0.47	0	287	57	32.56	1.61
87	BALANGIR	MURIBAHAL	Muribahal	7.9	800	403	245	225.41	41	34.7	72	2.54	0	275	71	44.78	1.45
88	BALANGIR	PATNAGARH	Ampali (Rampur Ampali)	8.1	800	494	291	258.2	53	38.6	87.2	5.92	0	315	90	63.8	0.672
89	BALANGIR	PATNAGARH	Banjari	7.94	890	439	352	193.44	80	37.05	38	0.95	0	236	121	45.8	0.74
90	BALANGIR	PATNAGARH	Ghambari	7.96	1400	688	526	318.03	102	66.01	77	1.87	0	388	181	68.87	0.735
91	BALANGIR	PATNAGARH	Jogimunda	8.03	550	285	245	221.31	49	29.84	27	0.54	0	270	40	4.38	1.84
92	BALANGIR	PATNAGARH	Patnagarh-li	8.29	480	235	153	189.34	31	18.39	41	1.28	0	231	26	3.78	0.757
93	BALANGIR	PATNAGARH	Sarmohan-I	7.79	340	176	153	115.57	37	14.75	10	0.86	0	141	36	7.75	0.629
94	BALANGIR	PUINTALA	Atgan	7.93	420	224	194	170.49	35	25.94	18.2	1.43	0	208	36	5.2	0.614
95	BALANGIR	PUINTALA	Bairasar	8.06	650	326	286	253.28	61	32.53	27	3.5	0	309	50	0.28	0.344
96	BALANGIR	PUINTALA	Chhatamakna	7.83	390	205	143	170.49	45	7.47	20	9.49	0	208	21	0	0.438
97	BALANGIR	PUINTALA	Dumberbahal	7.98	690	364	245	267.21	49	29.84	58	0.8	0	326	52	14.1	0.485
98	BALANGIR	PUINTALA	Gaintala	8.07	1680	867	383	423.77	47	64.61	200	22.6	0	517	190	88.89	0.462
99	BALANGIR	PUINTALA	Kurul	7.88	640	318	230	258.2	47	27.41	45	2.78	0	315	36	5.33	0.559
100	BALANGIR	PUINTALA	Ledarbohal	7.82	400	209	173	142.62	53	9.91	8	11.6	0	174	36	4.99	0.288
101	BALANGIR	PUINTALA	Randa	8.06	1400	772	413	221.31	88	47.03	128	23	0	270	226	127.5	0.341
102	BALANGIR	SAINTALA	Belgaon	8.22	500	261	179	221.31	37	21.08	42	1.82	0	270	26	0	0.468
103	BALANGIR	SAINTALA	Bhadra	7.98	1090	565	393	400.82	45	68.25	85	0.51	0	489	95	31.1	1.02

SI No	DISTRICT	BLOCK	SITE	PH	EC	TDS	TH	TA	CA	MG	NA	K	CO3	HCO ₃	CL ⁻	SO ₄ ⁻	F
					μS/cm at 25°C	mg/L	mg/L as CaCO ₃		mg/L								
104	BALANGIR	SAINTALA	Dumalpada	7.81	1030	556	362	483.61	76	41.91	77	5.68	0	590	57	7.59	1.65
105	BALANGIR	SAINTALA	Mahagaon	8.1	590	305	235	239.34	47	28.63	36	1.26	0	292	40	6.98	1.99
106	BALANGIR	SAINTALA	Piprut	8.18	690	342	327	249.18	63	41.29	15	0.95	0	304	40	32.53	0.584
107	BALANGIR	SAINTALA	Saintala 1	8.16	1190	624	398	395.9	86	44.6	46	79.9	0	483	86	45.06	0.555
108	BALANGIR	SAINTALA	Tikrapada	7.57	1360	671	577	350	123	65.67	36	3.91	0	427	178	55.27	0.69
109	BALANGIR	TENTULIKHUNTI	Tusura	8.13	650	359	204	198.36	65	10.17	52	9.62	0	242	76	27.73	0.516
110	BALANGIR	TITLAGARH	Chormara	8.14	1450	756	434	377.87	123	30.91	54	108	0	461	133	80.88	0.503
111	BALANGIR	TITLAGARH	Ichagaon	7.82	470	261	179	115.57	59	7.73	29	4.6	0	141	62	29.45	0.264
112	BALANGIR	TITLAGARH	Jagua	8.07	600	366	255	267.21	86	9.83	44	8.88	0	326	48	8.64	0.781
113	BALANGIR	TITLAGARH	Kholan	8.08	480	271	224	216.39	53	22.31	18	0.67	0	264	40	6.94	0.791
114	BALANGIR	TITLAGARH	Minapali	8.11	710	346	260	230.33	57	28.64	32	4.54	0	281	55	29.7	0.766
115	BALANGIR	TITLAGARH	Rigdol	7.93	2470	1235	821	534.43	149	109.2	83	146	0	652	335	93.19	0.376
116	BALANGIR	TITLAGARH	Tarasingi	7.88	340	210	179	110.66	43	17.44	12	2.39	0	135	52	17.47	0.442
117	BALANGIR	TITLAGARH	Titlagarh (new)	7.84	480	267	153	96.72	47	8.69	40	0.7	0	118	69	42.67	0.64
118	BALANGIR	TITLAGARH	Titlagarh1	7.73	570	303	230	179.51	59	20.13	31	2.19	0	219	55	28.24	0.58
119	BALANGIR	TUREKELA	DhamanaDonga	7.96	490	300	240	253.28	78	11.04	30	0.98	0	309	24	3.57	0.976
120	BALANGIR	TUREKELA	Kantabanji	7.65	1110	578	459	212.3	88	58.22	37	1.38	0	259	169	96.57	0.781
121	BALANGIR	TUREKELA	Kurli	8.12	790	465	332	313.11	92	24.91	50	1.69	0	382	76	31.55	1.17
122	BALANGIR	TUREKELA	Salandi	7.44	640	349	286	175.41	80	21.01	25	1.35	0	214	81	35.17	0.461
123	BALANGIR	TUREKELA	Tureikela	8	890	470	260	313.11	53	31.06	91	2.72	0	382	57	47.33	0.405
124	BALESHWAR	BALESHWAR	Sunhat 2	7.89	290	133	62	41.8	19	3.55	23	1	0	51	43	17	0.06
125	BALESHWAR	BALIAPAL	Jamsuli	8.48	730	361	197	270.74	27	31.52	78	3	9	312	27	34	0.49
126	BALESHWAR	BASTA	Basta 1	8.23	1720	889	523	354.92	155	33	158	13	0	433	306	17	0.34
127	BALESHWAR	KHAIRA	Kupari 1	7.9	570	312	155	104.1	46	9.78	46	19	0	127	78	50	0.08
128	BALESHWAR	NILAGIRI	Ayodhya	8.16	870	435	233	213.93	39	32.99	92	4	0	261	128	12	0.24
129	BALESHWAR	NILAGIRI	Benthiapada	8.22	1000	497	197	187.7	46	19.99	130	4	0	229	160	26	0.35

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					μ S/cm at 25°C	mg/L	mg/L as CaCO ₃		mg/L								
130	BALESHWAR	NILAGIRI	Bhagabondh	8.68	1310	680	383	428.55	77	46.41	112	25	25	472	126	38	1.27
131	BALESHWAR	NILAGIRI	Darkholi	8.41	1000	515	285	220.11	75	23.8	98	2	16	236	133	52	0.17
132	BALESHWAR	NILAGIRI	Jodibali	8.18	620	309	248	198.36	68	19.05	28	2	0	242	71	2	0.23
133	BALESHWAR	NILAGIRI	Kunchibenia	8.36	540	250	223	246.26	39	30.56	20	4	13	274	9	2	0.21
134	BALESHWAR	NILAGIRI	Kushmi	8.32	1180	611	331	293.06	81	31.34	116	8	16	325	178	23	0.72
135	BALESHWAR	NILAGIRI	Mitrapur	8.36	400	194	155	151.64	35	16.45	19	3	0	185	25	5	0.06
136	BALESHWAR	NILAGIRI	Nilgiri 1	8.44	620	300	202	244.51	39	25.45	50	3	9	280	21	17	0.35
137	BALESHWAR	NILAGIRI	Nuaporhi	8.34	600	298	171	192.79	37	19.13	61	1	6	223	57	9	0.56
138	BALESHWAR	NILAGIRI	Siadimal	8.22	810	413	238	266.39	54	25.11	74	8	0	325	87	6	0.75
139	BALESHWAR	OUPADA	Bankisial	7.78	300	149	104	68.03	25	10.12	20	2	0	83	39	13	0.17
140	BALESHWAR	OUPADA	Sialghati	8.14	1140	607	326	235.25	58	44.08	110	2	0	287	178	74	0.24
141	BALESHWAR	REMUNA	Govindpur	8.04	600	343	238	130.33	66	17.83	29	4	0	159	23	127	0.25
142	BALESHWAR	REMUNA	Kuligaon	8.15	1300	675	388	422.95	77	47.63	110	21	0	516	128	40	1.26
143	BALESHWAR	REMUNA	Remuna	8.47	1070	565	336	297.98	89	27.7	53	43	16	331	119	56	0.05
144	BALESHWAR	REMUNA	Shrijang	8.32	740	355	145	214.1	46	7.35	84	5	6	249	80	5	0.69
145	BALESHWAR	SORO	Baghudi 1	7.83	120	57	47	31.15	10	5.36	6	0	0	38	16	1	0.01
146	BALESHWAR	SORO	Champo	8.21	640	307	191	187.7	43	20.35	54	1	0	229	64	14	0.52
147	BARGARH	AMBABHONA	Bhukta	7.63	690	349	248	203.28	42	34.82	40	5.7	0	248	68	37	0.51
148	BARGARH	AMBABHONA	Bugbugi	7.45	330	175	134	113.93	40	8.32	8	9.6	0	139	29	12	0.19
149	BARGARH	AMBABHONA	Dungri	7.91	260	132	99	104.1	22	10.72	12	1.6	0	127	10	13	0.33
150	BARGARH	AMBABHONA	Karla	7.65	230	109	94	59.02	18	11.94	9	0.8	0	72	27	7	0.21
151	BARGARH	AMBABHONA	Lakhanpur	7.58	400	197	149	138.52	26	20.45	19	6.6	0	169	34	8	0.26
152	BARGARH	AMBABHONA	Uttam	8.12	770	420	228	267.21	24	40.88	42	48	0	326	70	35	0.42
153	BARGARH	ATTABIRA	Attabira	8.18	3100	1704	604	138.52	83	96.5	416	30.9	0	169	993	1.9	0.38
154	BARGARH	ATTABIRA	Chaklifarm	7.72	370	189	153	128.69	34	16.57	12	3.4	0	157	29	17	0.47
155	BARGARH	ATTABIRA	Godbhaga	7.64	220	116	89	94.26	36	0	7	1.7	0	115	10	5	0.48

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156	BARGARH	ATTABIRA	Kodabahal 2	7.87	260	124	99	94.26	24	9.51	11	2	0	115	12	9	0.17
157	BARGARH	ATTABIRA	Kulunda	7.71	480	259	134	153.28	20	20.45	31	28	0	187	46	22	0.3
158	BARGARH	ATTABIRA	Kumelsingha	8.23	260	129	104	84.43	30	7.09	9	2.3	0	103	17	13	0.25
159	BARGARH	ATTABIRA	Larambha	8	260	126	94	89.34	18	11.94	12	3.9	0	109	12	15	0.17
160	BARGARH	ATTABIRA	Lastala	7.27	250	133	59	54.1	16	4.64	28	1.9	0	66	44	6	0.33
161	BARGARH	ATTABIRA	Patrapalli	8.01	560	278	193	113.93	42	21.45	36	4.9	0	139	70	36	0.68
162	BARGARH	ATTABIRA	Shukutapali	7.77	1760	914	604	193.44	26	131.0	114	18.3	0	236	401	108	0.23
163	BARGARH	ATTABIRA	Top	8.25	240	121	94	84.43	26	7.08	10	1	0	103	15	11	0.25
164	BARGARH	BARAPALI	Kusanpur	7.9	1530	812	416	198.36	85	49.58	157	4.5	0	242	323	74	0.59
165	BARGARH	BARAPALI	Lenda	8.09	820	391	213	291.8	34	31.16	90	1	0	356	46	14	1.1
166	BARGARH	BARAPALI	Puturipali	8.25	290			0		0	12	8.3	0			15	0.45
167	BARGARH	BARAPALI	Remada	8.2	570	270	198	187.7	24	33.58	36	6	0	229	32	26	0.92
168	BARGARH	BARAPALI	Sarandapali	7.95	1210	579	495	177.87	42	94.87	45	5.8	0	217	233	52	0.7
169	BARGARH	BARGARH	Bargarh	7.35	980	512	371	158.2	89	36.21	49	6.2	0	193	211	26	0.28
170	BARGARH	BARGARH	Bargarh1	8.13	960	492	248	247.54	24	45.74	103	5.9	0	302	131	34	1.35
171	BARGARH	BARGARH	Dang	7.78	740	386	233	242.62	40	32.39	61	1.3	0	296	70	36	0.77
172	BARGARH	BARGARH	Jamurda	7.54	370	200	129	133.61	38	8.31	20	6.9	0	163	24	23	0.31
173	BARGARH	BARGARH	Kalapani	7.8	690	386	198	208.2	44	21.45	29	62.3	0	254	66	39	0.32
174	BARGARH	BARGARH	Kharmanda	7.3	1300	575	450	208.2	99	49.35	89	1.9	0	254	153	58	0.92
175	BARGARH	BARGARH	Khuntapali	8	1080	588	233	237.7	65	17.22	87	90.3	0	290	138	48	0.66
176	BARGARH	BARGARH	Kuruan	7.98	600	305	173	237.7	32	22.65	42	24.5	0	290	36	6	0.4
177	BARGARH	BARGARH	Sarala	7.7	270	126	89	59.02	26	5.87	20	1.5	0	72	24	13	0.28
178	BARGARH	BARGARH	Tora	8.26	870	405	262	193.44	20	51.57	75	5.7	0	236	100	37	1.14
179	BARGARH	BHATLI	Bhatli 1	7.79	720	350	243	158.2	48	29.96	49	5.3	0	193	87	36	0.25
180	BARGARH	BHATLI	Dumalpali	7.86	580	283	203	153.28	46	21.45	36	3.3	0	187	66	19	0.33
181	BARGARH	BHATLI	Katapali	7.81	910	466	272	257.38	54	33.37	82	1.6	0	314	100	41	0.77

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182	BARGARH	BHATLI	Purraakhai	8.28	1100	655	203	218.03	26	33.58	84	127	0	266	189	65	0.23
183	BARGARH	BHATLI	Sunajuri-Tukuria	8.17	600	314	129	163.11	26	15.59	77	2	0	199	70	26	0.21
184	BARGARH	BHEDEN	Baghapalli	7.42	2600	1294	842	455.74	131	125.2	206	4.7	0	556	410	145	0.59
185	BARGARH	BHEDEN	Bheden 1	7.34	1280	588	525	193.44	83	77.3	50	1.7	0	236	219	42	0.58
186	BARGARH	BHEDEN	Boipur	8.25	380	196	149	133.61	40	11.96	17	2.5	0	163	22	23	0.26
187	BARGARH	BHEDEN	Chichinda	7.28	1380	636	540	172.95	117	60.32	67	3.3	0	211	219	66	0.35
188	BARGARH	BHEDEN	Gondtarum	7.72	340	169	124	118.85	34	9.52	18	4.8	0	145	22	10	0.39
189	BARGARH	BHEDEN	Khutlipalli	7.74	590	290	243	133.61	75	13.58	23	1.5	0	163	87	10	0.36
190	BARGARH	BHEDEN	Kumbhari	7.86	890	426	322	168.03	34	57.66	54	2.8	0	205	124	53	0.56
191	BARGARH	BHEDEN	Rusuda	8.05	620	295	193	227.87	24	32.37	51	2.4	0	278	29	20	1.6
192	BARGARH	BHEDEN	Sikirdi	8.1	340	161	139	104.1	20	21.66	12	2.5	0	127	27	16	0.32
193	BARGARH	BHEDEN	Thuapali1	8.24	620	271	243	218.03	24	44	28	3.8	0	266	34	6	0.28
194	BARGARH	BIJEPUR	Bijepur	8.26	430	206	168	133.61	50	10.52	19	0.8	0	163	27	19	0.51
195	BARGARH	BIJEPUR	Burdapali	7.77	1140	603	317	386.07	54	44.32	106	14.5	0	471	124	29	1.76
196	BARGARH	GAISILET	Dangabahal	7.99	1590	727	579	351.64	103	78.29	95	5.2	0	429	189	46	1.17
197	BARGARH	GAISILET	Gaisilet3	7.92	2970	1472	832	262.3	63	164.0	297	3.9	0	320	658	129	0.72
198	BARGARH	GAISILET	Jagalpet	7.3	1760	909	639	495.08	137	72.26	89	33.2	0	604	199	83	1.96
199	BARGARH	RAJBORASAMBAR	Padampur2	7.79	1990	1001	520	346.72	44	99.74	212	10	0	423	345	83	0.87
200	BARGARH	SOHELA	Batetarma	7.48	700	376	178	99.18	58	8.09	69	16.2	0	121	119	46	0.17
201	BARGARH	SOHELA	Ghens 1	7.52	1580	821	426	267.21	79	55.65	155	19.3	0	326	260	92	0.4
202	BARGARH	SOHELA	Grinjal	7.35	2020	1081	426	252.46	79	55.65	160	183.4	0	308	374	78	0.6
203	BAUDH	BAUDH SADAR	Anlapali	6.61	940	577	260	109.84	72	19.54	95	2	0	134	128	150	0.37
204	BAUDH	BAUDH SADAR	Badhigaon	7.74	990	590	260	240.16	54	30.46	106	2	0	293	96	88	1.1
205	BAUDH	BAUDH SADAR	Baghiapada	7.3	660	382	300	285.25	100	12.28	9	8	0	348	18	7	0.73
206	BAUDH	BAUDH SADAR	Bala Singha	7.9	1380	887	385	309.84	136	11.11	89	87	0	378	128	142	0.52
207	BAUDH	BAUDH SADAR	Butupalli	7.7	620	379	260	119.67	70	20.75	22	1	0	146	57	61	0.54

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208	BAUDH	BAUDH SADAR	Dahya	7.8	890	552	260	95.08	82	13.47	83	2	0	116	117	155	0.4
209	BAUDH	BAUDH SADAR	Erada	7.93	1090	633	365	250	56	54.77	81	2	0	305	113	97	1.27
210	BAUDH	BAUDH SADAR	Gaundisahi	8.02	1680	933	730	400	56	143.5	49	2	0	488	177	97	0.95
211	BAUDH	BAUDH SADAR	Gundulia	7.95	1240	721	415	290.16	76	54.8	83	17	0	354	135	116	0.63
212	BAUDH	BAUDH SADAR	Jahanapank	8.09	980	565	285	264.75	28	52.31	92	2	0	323	89	70	1.39
213	BAUDH	BAUDH SADAR	Kamira	8.14	620	330	275	254.92	28	49.88	16	1	0	311	28	6	0.68
214	BAUDH	BAUDH SADAR	Lumurjena	7.75	920	484	450	385.25	46	81.5	4	1	0	470	32	16	1.17
215	BAUDH	BAUDH SADAR	Maheswar Pinda	7.76	700	422	295	130.33	100	11.06	24	2	0	159	78	86	0.42
216	BAUDH	BAUDH SADAR	Manamunda	8.03	520	281	230	164.75	26	40.15	13	2	0	201	39	38	0.49
217	BAUDH	BAUDH SADAR	Nuapali	8.02	660	399	240	119.67	68	17.1	41	1	0	146	67	91	0.44
218	BAUDH	BAUDH SADAR	Polam 2	8.19	1250	766	420	369.67	136	19.62	59	60	0	451	113	52	0.61
219	BAUDH	BAUDH SADAR	Sangrampur	7.92	1700	1068	500	140.16	156	26.93	155	9	0	171	255	246	0.38
220	BAUDH	BAUDH SADAR	Singari chhak	8.08	760	473	205	59.84	60	13.45	78	4	0	73	110	139	0.47
221	BAUDH	BAUDH SADAR	Usbelika	8.44	880	453	375	390	40	66.91	28	3	24	427	28	7	1.98
222	BAUDH	HARBHANGA	Adenegarh	6.5	270	159	90	85.25	22	8.54	20	1	0	104	18	16	0.35
223	BAUDH	HARBHANGA	Baring	8	270	153	115	85.25	23	14.01	9	1	0	104	21	10	0.38
224	BAUDH	HARBHANGA	Boudh	7.89	1190	690	320	290.16	46	49.9	123	4	0	354	128	108	0.72
225	BAUDH	HARBHANGA	Bruhaspatipur	7.96	1100	648	270	259.84	56	31.68	125	4	0	317	128	93	0.6
226	BAUDH	HARBHANGA	Charichak	7.91	650	347	300	264.75	36	51.1	11	1	0	323	28	11	0.71
227	BAUDH	HARBHANGA	Dholpur	7.94	550	298	240	235.25	36	36.51	15	1	0	287	18	8	0.94
228	BAUDH	HARBHANGA	Harbhanga	8.13	450	265	165	154.92	32	20.71	21	10	0	189	21	21	0.74
229	BAUDH	HARBHANGA	Harekrishnapur	8.11	450	269	165	145.08	58	4.93	22	9	0	177	32	30	0.41
230	BAUDH	HARBHANGA	Karoda Kutha	7.55	500	312	205	100	72	6.17	20	1	0	122	18	116	0.63
231	BAUDH	HARBHANGA	Landibandh	7.52	920	548	350	200	76	38.99	50	1	0	244	85	88	0.49
232	BAUDH	HARBHANGA	Laxmanpur	7.73	810	468	340	214.75	46	54.76	29	0	0	262	50	73	0.64
233	BAUDH	HARBHANGA	Lunibahal	7.8	1100	639	480	140.16	112	48.76	31	1	0	171	149	187	0.47

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234	BAUDH	HARBHANGA	Radha Nagar	8.05	960	594	320	135.25	88	24.42	72	1	0	165	113	117	0.42
235	BAUDH	HARBHANGA	Rambhikata	8.9	1030	540	340	429.67	20	70.53	80	0	36	451	43	13	2.39
236	BAUDH	HARBHANGA	Sarsara	8.2	800	492	165	145.08	32	20.71	105	5	0	177	74	132	0.42
237	BAUDH	HARBHANGA	Sarta-Guda	8.09	850	517	240	219.67	46	30.45	84	0	0	268	57	69	0.85
238	BAUDH	HARBHANGA	Tilesar 1	8.2	600	328	260	250	46	35.31	18	0	0	305	25	7	0.87
239	BAUDH	HARBHANGA	Tukulunda	8.04	880	548	240	200	64	19.53	91	0	0	244	67	82	0.93
240	BAUDH	HARBHANGA	Udaipur	8.4	520	271	215	215.25	28	35.29	20	0	18	226	18	13	0.94
241	BAUDH	KANTAMAL	Auinla Chua Chhak	6.67	550	326	185	145.08	54	12.22	40	2	0	177	46	56	0.46
242	BAUDH	KANTAMAL	Ghantapada-I	8.18	450	248	215	209.84	54	19.52	4	0	0	256	7	1	0.76
243	BAUDH	KANTAMAL	Gohipita	7.89	710	441	205	104.92	69	7.99	68	1	0	128	82	109	0.46
244	BAUDH	KANTAMAL	Gudveli Padar	8.09	780	414	365	319.67	40	64.48	11	1	0	390	35	7	1.04
245	BAUDH	KANTAMAL	Kantamal	7.1	1980	1091	800	540.16	68	153.2	86	2	0	659	234	10	0.84
246	BAUDH	KANTAMAL	Palasaguda1	7.81	730	443	265	104.92	80	15.9	45	2	0	128	92	105	0.41
247	BHADRAK	BANT	Agarpara	8.55	1400	754	455	349.86	112	46	88	45	25	376	192	67	0.03
248	BHADRAK	BANT	Randia	8.45	660	319	248	235.03	37	37.85	36	6	22	242	27	36	0.37
249	BHADRAK	BASUDEBPUR	Bagdavinayakpur	8.46	600	282	217	230.68	37	30.31	38	1	13	255	30	9	0.77
250	BHADRAK	BHADRAK	Ada Sasan	8.02	610	312	191	229.51	52	17	43	13	0	280	46	6	0.11
251	BHADRAK	BHADRAK	Balipatna	8.32	460	206	191	173.31	27	30.06	18	1	13	185	23	4	0.87
252	BHADRAK	BHADRAK	Bentola	8.33	530	255	186	215.11	46	17.32	34	0	13	236	23	5	0.69
253	BHADRAK	BHADRAK	Durgapur	8.62	940	495	248	266.83	52	28.75	66	62	16	293	101	27	0.07
254	BHADRAK	BHADRAK	Rambhila	8.18	1260	658	367	281.97	77	42.52	122	2	0	344	188	59	0.21
255	BHADRAK	BHADRAK	Tihidi	8.62	1530	807	450	391.58	108	43.89	94	91	22	433	192	45	0.04
256	BHADRAK	BHANDARIPOKHARI	Benipur	8.41	460	221	202	164	43	23.03	13	3	9	182	21	25	0.29
257	BHADRAK	BHANDARIPOKHARI	Jasotikiri	8.24	610	286	274	199	54	33.86	17	1	0	243	64	8	0.96
258	BHADRAK	DHAMANAGAR	Betaligaon	8.51	680	341	155	261.83	21	24.95	84	3	13	293	27	25	0.25
259	BHADRAK	DHAMANAGAR	Bhagvenpur	8.38	540	265	238	204.45	68	16.62	11	6	13	223	16	25	0.18

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					μ S/cm at 25°C	mg/L	mg/L as CaCO ₃		mg/L								
260	BHADRAK	DHAMANAGAR	Dhamnagar	8.54	1700	842	455	459.13	62	73.01	183	7	34	491	210	36	2.16
261	BHADRAK	DHAMANAGAR	Dobal	8.42	520	244	176	214.37	23	28.84	38	3	16	229	18	7	0.4
262	BHADRAK	DHAMANAGAR	Kothar 2	8.77	2000	1085	486	533.17	77	71.45	125	198	44	561	231	65	0.04
263	BHADRAK	DHAMANAGAR	Kothar 3	8.41	740	369	274	220.11	43	40.53	51	1	16	236	69	35	0.65
264	BHADRAK	TIHIDI	Bidanpur	8.35	1130	595	342	314.29	62	45.54	92	22	13	357	130	57	0.05
265	CUTTACK	ATHAGAD	Athagarh 1	7.4	190	111	80	40.16	8	14.6	5	2.3	0	49	7	39	0.28
266	CUTTACK	ATHAGAD	Megha	7.86	650	373	270	145.08	60	29.25	23	2.7	0	177	67	77	0.49
267	CUTTACK	ATHAGAD	Oranda	8.2	100	60	40	19.67	8	4.87	2	3.5	0	24	11	9	0.25
268	CUTTACK	ATHAGAD	Radha Gobindapur	8.15	100	56	45	19.67	4	8.51	1	2	0	24	11	12	0.25
269	CUTTACK	ATHAGAD	Rajnagar	8.08	100	56	45	19.67	6	7.3	0	3	0	24	14	10	0.24
270	CUTTACK	BADAMBA	Abhimanpur	6.85	1680	1097	550	80.33	108	68.21	114	31	0	98	206	236	0.45
271	CUTTACK	BADAMBA	Baramba	7.15	1120	648	480	269.67	92	60.89	35	2	0	329	106	77	0.6
272	CUTTACK	BADAMBA	Gopapur	7.4	1160	655	460	159.84	80	63.31	44	18.4	0	195	206	121	0.46
273	CUTTACK	BADAMBA	Karadibandh	7.65	1340	812	550	150	110	66.99	46	15	0	183	184	147	0.63
274	CUTTACK	BADAMBA	Sankhmiri	7.44	1130	674	390	190.16	64	56	55	43	0	232	142	142	0.37
275	CUTTACK	BARANGA	Brahmana Jhharilo	8.4	180	92	77	51.8	14	10.23	6	1	6	51	16	15	0.07
276	CUTTACK	CUTTACKSADAR	Bidanasi 2	8.5	800	412	235	260.9	59	21.35	57	28	9	300	82	28	0.449
277	CUTTACK	CUTTACKSADAR	C-01 Balikuda	8.5	750	363	204	225.66	31	30.79	73	7.29	9	257	77	47	0.144
278	CUTTACK	CUTTACKSADAR	C-03 Khannagar	8.5	650	333	189	163.36	35	24.72	57	4	9	181	87	36.6	0.268
279	CUTTACK	CUTTACKSADAR	C-06 Bidanasi	8.5	800	412	235	260.9	59	21.35	57	28	9	300	82	28	0.449
280	CUTTACK	CUTTACKSADAR	C-07 Sekhbazar	8.5	400	220	117	137.95	31	9.64	27	11.6	9	150	35	8.5	0.289
281	CUTTACK	CUTTACKSADAR	C-09 Bose Campus	8.6	600	328	148	204.43	41	11.11	53	33	12	225	57	23	0.3
282	CUTTACK	CUTTACKSADAR	C-10 Sikharpur	8.4	550	331	163	87.05	35	18.4	43	7.5	6	94	129	11	0.246
283	CUTTACK	CUTTACKSADAR	C-12 Nimasahi (Haripur)	8.4	650	323	168	184.51	33	20.83	53	33	3	219	69	46.5	0.141
284	CUTTACK	CUTTACKSADAR	C-13 Mahammadia Bazar	8.5	400	253	138	169.1	27	17.17	26	1.6	9	188	15	3.5	0.438

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285	CUTTACK	CUTTACKSADAR	C-14 Chandi Mandir	8.4	1150	658	219	225.57	33	33.23	148	42	6	263	198	65.5	0.949
286	CUTTACK	CUTTACKSADAR	C-16 Bauxi Bazar	8.5	700	338	265	210.08	65	25	25	21	9	238	37	69	0.217
287	CUTTACK	CUTTACKSADAR	C-17 Fakirpur	8.5	600	274	204	183.85	47	21.09	38	5.7	9	206	47	40	0.223
288	CUTTACK	CUTTACKSADAR	C-19 Chauliaganj	8.4	200	146	77	86.97	18	7.8	11.6	1.65	3	100	10	5	0.16
289	CUTTACK	CUTTACKSADAR	C-20 Nadikula sahi (Sikharpur)	8.5	750	427	184	199.43	43	18.65	66	49.7	9	225	92	45.5	0.139
290	CUTTACK	CUTTACKSADAR	C-23 Railway Colony (OMP Sqr)	8.4	750	414	230	271.39	59	20.13	44	34	3	325	49	39	0.464
291	CUTTACK	CUTTACKSADAR	C-26 Jagatpur-2	8.6	600	332	173	230.57	39	18.4	56	10	9	263	49	10	0.038
292	CUTTACK	CUTTACKSADAR	C-27 Manguli Chhak	8.5	600	360	179	215	43	17.44	42	43	9	244	52	21.7	0.071
293	CUTTACK	CUTTACKSADAR	C-28 Jagatpur-3 (Nuasahi)	8.5	800	443	199	271.56	39	24.73	68	44	9	313	77	34	0.057
294	CUTTACK	CUTTACKSADAR	C-31 Pithapur	8.4	700	361	230	214.92	55	22.56	44	39	6	250	52	65	0.008
295	CUTTACK	CUTTACKSADAR	C-32Khapuria	8.5	900	522	204	301.89	41	24.73	85	42	9	350	84	29	0.083
296	CUTTACK	CUTTACKSADAR	C-33 Lakshmi Mandap (Badambari)	8.5	250	153	107	117.46	25	10.85	13	2.63	9	125	12	7	0.475
297	CUTTACK	CUTTACKSADAR	C-34 Chakuli	8.5	450	274	148	169.1	33	15.97	33	12	9	188	42	6.5	0.275
298	CUTTACK	CUTTACKSADAR	C-35 Netaji Nagar	8.5	800	418	153	215	25	22.03	94	37	9	244	111	21	0.542
299	CUTTACK	CUTTACKSADAR	Gopalpur2	8.37	700	365	209	199.54	45	23.52	45	33	13	217	59	40	0.22
300	CUTTACK	CUTTACKSADAR	Jagatpur-i	8.61	590	283	240	225.03	47	29.84	22	7	16	242	23	20	0.12
301	CUTTACK	CUTTACKSADAR	Kandarpur	8.47	600	295	214	204.54	43	25.95	38	5	16	217	43	18	0.31
302	CUTTACK	CUTTACKSADAR	Nachhipur	8.37	510	256	219	105.27	33	33.23	15	2	13	102	34	76	0.05
303	CUTTACK	CUTTACKSADAR	Nuagarh	8.44	560	262	235	173.31	27	40.76	19	3	13	185	27	42	0.15
304	CUTTACK	CUTTACKSADAR	Telengapenth	8.42	860	439	286	209.54	57	34.96	61	11	19	217	100	51	0.16
305	CUTTACK	DAMPARA	Banki1	8.2	760	433	170	325.41	20	29.2	95	2	0	397	21	22	0.98
306	CUTTACK	KANTAPADA	Dimiri	8.29	400	185	143	130.33	18	23.85	22	4	0	159	36	4	0.16
307	CUTTACK	NARASINGHPUR	Balijhari 1	6.8	2560	1552	1140	100	313	87.3	60	7	0	122	482	299	0.26
308	CUTTACK	NARASINGHPUR	Kanapur	7.5	1440	893	470	240.16	84	63.32	56	100	0	293	177	168	0.49

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309	CUTTACK	NARASINGHPUR	Narsingpur	7.98	650	362	265	235.25	44	37.74	27	1	0	287	35	25	1.42
310	CUTTACK	NARASINGHPUR	Saradapur	7.6	1130	704	520	159.84	108	60.91	4	29	0	195	106	130	0.67
311	CUTTACK	NIALI	Belasahi	8.47	1140	576	306	288.14	45	47.1	85	57	16	319	118	53	0.26
312	CUTTACK	NIALI	Kasarda	9.15	1550	888	281	402.84	33	48	74	260	44	402	157	76	0.01
313	CUTTACK	NIALI	Madhab	8.34	1180	665	235	297.4	45	29.84	71	152	25	312	129	61	0.01
314	CUTTACK	NIALI	Pari Amarpada	8.57	440	218	122	146.07	33	9.64	32	12	6	166	20	23	0.08
315	CUTTACK	NISCHINTA KOILI	Kulia Market	8.89	380	184	133	145.33	37	9.89	25	1	9	159	18	5	0.32
316	CUTTACK	NISCHINTA KOILI	Nischintakoili (new)	8.18	700	334	230	235.25	22	42.57	48	4	0	287	45	33	0.3
317	CUTTACK	NISCHINTA KOILI	Orati	8.26	560	241	168	156.56	29	23.25	37	1	0	191	39	18	0.42
318	CUTTACK	SALEPUR	Anantapur	8.17	260	124	107	99.18	22	12.67	11	0	0	121	14	5	0.2
319	CUTTACK	SALEPUR	Sankilo	8.22	580	269	209	204.1	22	37	38	1	0	249	43	7	0.52
320	CUTTACK	SALEPUR	Sisua	8.27	550	259	189	167.21	27	29.57	33	3	0	204	32	34	0.22
321	CUTTACK	TANGI CHOUDWAR	Choudwar	8.01	710	369	209	145.9	43	24.73	48	29	0	178	79	58	0.05
322	CUTTACK	TANGI CHOUDWAR	Nimpur	8.44	320	159	117	94.7	29	10.85	13	8	16	83	20	22	0.06
323	CUTTACK	TANGI CHOUDWAR	Tangi	8.56	1100	552	377	129.75	41	66.79	70	17	9	140	227	54	0.59
324	CUTTACK	TIGIRIA	Tigiria	7.78	920	537	285	135.25	50	38.96	77	4	0	165	128	135	0.47
325	DEBAGARH	BARKOT	Kalkat	7.9	500	244	215	180.33	46	24.37	18.3	1	0	220	45	1.9	0.12
326	DEBAGARH	REAMAL	Purumunda	8.03	550	272	135	150	32	13.41	53.5	10.8	0	183	70	2.9	0.32
327	DEBAGARH	REAMAL	Telimunda	8.02	700	320	265	185.25	62	26.82	28.2	7.2	0	226	82	3.4	0.24
328	DEBAGARH	TILEIBANI	Deogarh	7.82	900	422	325	309.84	64	40.19	40.5	7	0	378	82	3.4	0.26
329	DEBAGARH	TILEIBANI	Kalamati	7.96	500	292	280	250	50	37.75	14	2.2	0	305	37	1.6	0.15
330	DEBAGARH	TILEIBANI	Rengalbeda	8.3	1300	650	165	435.25	36	18.28	201	2.3	0	531	127	5.2	2.08
331	DHENKANAL	BHUBAN	Bhuban	8.1	500	258.56	194	200	29	29.58	26	5	0	244	25	8	1.16
332	DHENKANAL	BHUBAN	Goda	8.2	140	87.06	66	77.05	6	12.41	12	1	0	94	10	4	0.143
333	DHENKANAL	BHUBAN	Mathakaragola	8.1	250	171.06	77	77.05	10	12.65	21	4	0	94	37	0	0.056
334	DHENKANAL	BHUBAN	Samole	8.2	450	290	107	163.93	35	4.78	19	70	0	200	35	15	0.253

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335	DHENKANAL	GANDIA	Deogaon	7.9	480	282.19	153	189.34	35	15.97	31	5	0	231	17	6	0.772
336	DHENKANAL	GANDIA	Gondia1	8.3	1050	531.31	245	261.48	61	22.56	70	66	0	319	129	35	0.251
337	DHENKANAL	GANDIA	Joranda	8.1	140	86.44	51	45.9	18	1.48	15	1	0	56	22	3	0.065
338	DHENKANAL	GANDIA	Mandar	8.2	1000	505.18	296	313.11	53	39.82	75	25	0	382	126	11	0.19
339	DHENKANAL	GANDIA	Sading	8	450	267.94	148	168.85	39	12.33	27	40	0	206	45	13	0.167
340	DHENKANAL	HINDOL	Babandh	8	1220	488.18	352	231.15	86	33.41	58	11	0	282	148	35	0.545
341	DHENKANAL	HINDOL	Balmi	8.2	170	109.39	71	66.39	12	9.98	11	2.7	0	81	20	5	0.098
342	DHENKANAL	HINDOL	Hindol1	8.2	650	312.93	245	210.66	41	34.7	30	5	0	257	49	27	0.159
343	DHENKANAL	HINDOL	Karanda	8.2	1100	545.75	276	225.41	65	27.67	131	3	0	275	181	50	0.545
344	DHENKANAL	KAMAKSHAYA NAGAR	Alnaberini 1	8.1	170	123.94	41	45.9	14	1.48	17	4.5	0	56	25	0	0.056
345	DHENKANAL	KAMAKSHAYA NAGAR	Baisingha	8	440	228.07	148	133.61	35	14.75	31.2	10	0	163	57	10	0.092
346	DHENKANAL	KAMAKSHAYA NAGAR	Baisingha-li	8.1	480	224.8	168	122.95	31	22.04	24	2.3	0	150	72	0	0.085
347	DHENKANAL	KAMAKSHAYA NAGAR	Kamakyanager	8.3	75	102.75	20	20.49	6	1.22	9	0.5	0	25	15	0	0.045
348	DHENKANAL	KAMAKSHAYA NAGAR	Mahulpal	8.1	300	165.31	107	138.52	29	8.42	22	1.5	0	169	12	4	0.29
349	DHENKANAL	KANKADA HAD	Batgaon	8.2	390	198.92	179	179.51	31	24.72	14	0.61	0	219	20	1	0.254
350	DHENKANAL	KANKADA HAD	Kankadahad	8.1	450	290.12	143	195.08	33	14.75	45	3.5	0	238	27	7	0.645
351	DHENKANAL	ODAPADA	Balrampur	8.2	420	255.94	158	168.85	35	17.18	22	31	0	206	37	14	0.182
352	DHENKANAL	ODAPADA	Dhaulpur	7.9	2100	1029.18	622	559.02	135	69.34	170	44	0	682	265	65	0.336
353	DHENKANAL	PARAJANG	Badajhara	7.9	590	264.31	194	138.52	43	21.08	32	1.5	0	169	74	14	0.353
354	DHENKANAL	PARAJANG	Muktaposi	8.1	1000	524.5	367	245.9	82	39.49	60	3.5	0	300	156	41	0.293
355	DHENKANAL	PARAJANG	Parjang1	8.3	700	347.06	204	240.98	57	15.02	67	2	0	294	49	37	0.614
356	DHENKANAL	PARAJANG	Singhada	8.3	250	164.87	82	51.64	22	6.59	16	4	0	63	52	0	0.082
357	DHENKANAL	SADAR	Baldiabandh	8.1	210	122.65	60	61.48	20	2.4	21	1.9	0	75	30	0	0.051
358	DHENKANAL	SADAR	Bhapur2	8.1	650	305.37	230	174.59	41	31.05	29	6	0	213	87	2	0.34
359	DHENKANAL	SADAR	Dhenkanal	8.3	1000	527.18	250	313.11	33	40.76	91	48	0	382	124	13	0.557

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360	DHENKANAL	SADAR	Gangutia	8.2	140	87.06	66	77.05	6	12.41	12	1	0	94	10	4	0.143
361	DHENKANAL	SADAR	Jhumpuria	8.3	1050	483.56	179	281.97	61	6.52	37	129	0	344	79	28	0.246
362	DHENKANAL	SADAR	Kaimati	8.3	450	246.62	168	195.08	33	20.83	31	10	0	238	35	2	0.313
363	DHENKANAL	SADAR	Mahulpunja	8.2	900	467.11	367	220.49	67	48.59	46	1.3	0	269	163	9	0.422
364	DHENKANAL	SADAR	Samacharanapur	8	220	127.31	56	56.56	18	2.7	21	2.5	0	69	35	4	0.098
365	DHENKANAL	SADAR	Shankarpur	8.4	650	314.56	240	245.98	61	21.35	46	2.5	3	294	37	28	0.149
366	GAJAPATI	GUMA	Parasamba	8	220	134.24	77	62.3	20	6.59	16	2	0	76	35	3	0.166
367	GAJAPATI	KASHINAGARA	Kasinagar	8.4	800	437.28	281	309.92	51	37.38	56	8	3	372	62	23	0.596
368	GAJAPATI	MOHANA	Adaba	8.2	250	155.74	102	103.28	31	5.99	15	2	0	126	15	5	0.131
369	GAJAPATI	MOHANA	Bada Khoni	8.3	700	360.16	194	232.79	47	18.66	19	80	0	284	45	26	0.39
370	GAJAPATI	MOHANA	Chandiput 1	8.1	300	168.36	102	134.43	31	5.99	21	8	0	164	12	12	0.182
371	GAJAPATI	MOHANA	Chandragiri 1	8.3	400	193.73	133	145.08	43	6.25	19	19	0	177	20	10	0.247
372	GAJAPATI	MOHANA	Dantarinalo	8.3	300	228.67	128	150	27	14.74	15	2	0	183	12	0	0.253
373	GAJAPATI	MOHANA	Kirama	8	550	276.42	189	129.51	49	16.23	37	5	0	158	92	9	0.121
374	GAJAPATI	MOHANA	Ladruma	8.2	250	140.8	102	98.36	37	2.35	15	2	0	120		25	0.112
375	GAJAPATI	MOHANA	Lillygada	8.3	850	456.28	306	304.92	61	37.39	26	52	0	372	47	26	0.389
376	GAJAPATI	MOHANA	Luhaguda	8.2	1250	640.95	423	372.95	90	48.25	59	63	0	455	147	52	0.33
377	GAJAPATI	MOHANA	Madhura-Amba	8.1	200	110.1	77	72.13	20	6.59	16	2	0	88	20	12	0.319
378	GAJAPATI	MOHANA	Mohana	8.3	400	208.67	112	150	29	9.64	44	1	0	183	32	7	0.935
379	GAJAPATI	MOHANA	Santhi Nagar	8	600	301.6	230	196.72	45	28.62	29	12	0	240	67	16	0.147
380	GAJAPATI	MOHANA	Suklipadar	8	450	258.17	168	109.02	43	14.76	21	6	0	133	80	3	0.101
381	GAJAPATI	MOHANA	Taramala	8.4	600	354.85	163	222.21	47	11.12	19	74	3	265	37	28	0.456
382	GAJAPATI	MOHANA	Zubagaon	8.2	120	88.43	36	46.72	12	1.47	11	3.5	0	57	10	2	0.069
383	GAJAPATI	PARLAKHEMUNDI	Appalanaidupetta	8.4	750	408.97	204	212.38	37	27.15	56	41	3	253	95	25	0.889
384	GAJAPATI	PARLAKHEMUNDI	Garabandh	8.1	3200	1755.86	694	93.44	162	70.46	431	13	0	114	995	68	0.273
385	GAJAPATI	PARLAKHEMUNDI	Gosani	8.4	950	486.89	265	382.87	31	45.62	77	41	3	461	50	30	0.404

SI No	DISTRICT	BLOCK	SITE	PH	EC	TDS	TH	TA	CA	MG	NA	K	CO3	HCO ₃	CL ⁻	SO ₄ ⁻	F
					μ S/cm at 25°C	mg/L	mg/L as CaCO ₃		mg/L								
386	GAJAPATI	PARLAKHEMUNDI	Kantragada	8.3	450	258.29	204	181.15	45	22.3	22	3	0	221	35	14	0.259
387	GAJAPATI	PARLAKHEMUNDI	Kattalakanita	8.3	1200	623.6	230	196.72	51	24.98	161	19	0	240	242	39	0.682
388	GAJAPATI	PARLAKHEMUNDI	Lavanya Khotta	8.1	500	261.29	199	181.15	43	22.3	31	3	0	221	50	1	0.281
389	GAJAPATI	PARLAKHEMUNDI	Lavanyagada	8.4	1200	648.16	306	237.79	45	47.1	137	2	3	284	250	4	0.9
390	GAJAPATI	PARLAKHEMUNDI	Minigaon	8.2	350	185.61	122	154.92	31	10.86	26	1	0	189	17	3	0.617
391	GAJAPATI	PARLAKHEMUNDI	Narayanpur	8	190	99.55	66	77.87	18	5.13	12	3	0	95	12	3	0.162
392	GAJAPATI	PARLAKHEMUNDI	Parlakhemundi	8.2	500	248.11	160	154.92	33	18.88	37	9.5	0	189	52	18	0.134
393	GAJAPATI	PARLAKHEMUNDI	Raygarh	8.3	450	257.98	133	165.57	31	13.53	21	32	0	202	25	14	0.18
394	GAJAPATI	PARLAKHEMUNDI	Tattipati	8.1	800	393.42	276	170.49	61	30.1	57	2.5	0	208	140	34	0.284
395	GAJAPATI	RAYAGADA	Pegoda	8.3	500	259.91	163	212.3	39	15.97	40	2	0	259	22	3	0.286
396	GAJAPATI	RAYAGADA	Sebakpur	8.4	1000	552.59	235	325.49	61	20.13	54	116	3	391	92	37	0.274
397	GANJAM	ASIKA	Badakholi	8.63	1200	644	303	305.41	34	53.04	148	3.83	18	336	169	54.7	1.27
398	GANJAM	ASIKA	Bhetnai	8.82	470	302	207	198.11	73	6.05	31	2.33	21	199	58	13	0.26
399	GANJAM	ASIKA	Cheramarua	8.72	650	360	293	270	53	39.09	31	0.53	12	305	43	31.6	0.31
400	GANJAM	ASIKA	K.nuagan	8.85	420	242	162	147.21	61	2.38	23	4.26	18	143	51	13.1	0.24
401	GANJAM	ASIKA	Kendupadar	8.46	1280	671	535	162.54	69	88.22	44	2.4	9	180	328	44.1	0.6
402	GANJAM	ASIKA	Khandrabali	8.6	490	267	182	198.03	40	19.99	35	1.37	18	205	41	11.6	0.26
403	GANJAM	ASIKA	Koitra	7.8	800	438	227	368.85	30	36.99	93	9.51	0	450	42	6.72	1.1
404	GANJAM	ASIKA	Mundamarai	7.8	500	276	182	177.05	45	16.95	35	1.49	0	216	49	22.9	0.94
405	GANJAM	ASIKA	Nuagaon2	8.3	930	538	192	202.46	57	12.1	84	78.85	0	247	134	51	0.5
406	GANJAM	BELLAGUNTHA	Ambapua 1	8.58	460	274	157	173.2	38	15.12	42	3.15	9	193	43	28.8	0.77
407	GANJAM	BELLAGUNTHA	Balipadar	8.89	810	455	253	315.25	93	5.1	64	34.5	18	348	51	18.9	0.42
408	GANJAM	BELLAGUNTHA	Belaguntha1	8.69	900	497	338	157.13	87	29.4	45	8.55	21	149	186	47.7	0.23
409	GANJAM	BELLAGUNTHA	Bhanjanagar-ii	8.34	1130	554	485	132.13	97	59.08	27	1.51	6	149	265	26.3	0.11
410	GANJAM	BELLAGUNTHA	Buguda1	8.68	980	524	303	178.2	75	28.17	74	21.46	12	193	145	73.2	0.11
411	GANJAM	BELLAGUNTHA	Gobara	8.92	1030	582	328	269.34	91	24.55	72	23.21	18	292	162	48.6	0.37

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412	GANJAM	BELLAGUNTHA	Kalamba	8.39	850	433	227	218.52	47	26.68	79	1.22	18	230	108	40.1	0.56
413	GANJAM	BELLAGUNTHA	Karachuli	8.51	980	592	313	213.44	59	40.31	83	29.5	12	236	181	72	0.18
414	GANJAM	BELLAGUNTHA	Kontaipalli	7.85	550	304	177	135.25	43	16.95	40	15.95	0	165	77	30.7	0.12
415	GANJAM	BELLAGUNTHA	Lathipada	8.1	390	202	146	93.44	51	4.56	14	4.89	0	114	67	3.72	0.12
416	GANJAM	BELLAGUNTHA	Mangalpur2	8	440	227	157	104.1	40	13.91	21	13.04	0	127	59	18.5	0.42
417	GANJAM	BHANJANAGAR	Dadralunda	8.57	750	409	268	270.6	75	19.66	36	20.3	34	261	55	42.2	0.2
418	GANJAM	BHANJANAGAR	Gallery	9.03	770	475	242	265.6	38	35.79	85	4.58	31	261	92	61.2	0.93
419	GANJAM	BHANJANAGAR	Mujhagarh	7.93	290	155	101	77.87	24	10	11	15.84	0	95	45	2.28	0.07
420	GANJAM	BHANJANAGAR	Tilisingi	8.2	915	530	253	233.61	65	22.08	52	87.2	0	285	126	38.4	0.32
421	GANJAM	BHANJANAGAR	Turumu1	8.11	530	298	182	192.62	53	12.1	45	7.68	0	235	45	19.5	0.28
422	GANJAM	CHHATRAPUR	Chatrapur1	8.9	1020	599	283	254.59	59	33.02	117	1.93	18	274	162	73	0.32
423	GANJAM	CHHATRAPUR	Ganjam	8.91	1020	525	242	218.44	65	19.41	89	13.68	15	236	125	83.2	0.18
424	GANJAM	CHHATRAPUR	Govindpur1	8.94	2110	1065	409	315.33	83	49.09	139	172.9	21	342	323	109	0.34
425	GANJAM	CHHATRAPUR	Hummuri	8.58	2600	1370	465	249.59	57	78.48	345	4.35	15	274	648	88.9	0.48
426	GANJAM	CHHATRAPUR	Narendrapur	8.4	1960	1073	495	291.07	89	66.36	135	137.3	3	349	376	96	0.5
427	GANJAM	CHHATRAPUR	Tanganapalli 1	8.5	1580	877	384	275.41	79	45.44	141	86.2	0	336	277	83.9	0.63
428	GANJAM	CHIKITI	Chikiti	8.89	710	412	263	235.19	85	12.38	43	12.19	28	230	77	42.5	0.15
429	GANJAM	CHIKITI	Jakara	8.88	1080	541	439	285.08	47	78.22	31	8.36	24	299	147	59.3	0.76
430	GANJAM	CHIKITI	Laxmipur1	6.93	240	116	80	59.84	22	6.11	13	2	0	73	35	2	0.03
431	GANJAM	CHIKITI	Laxmipur1	8.2	810	429	268	197.54	57	30.58	59	14.13	0	241	111	39.7	0.19
432	GANJAM	DHARAKOTE	Balrampur	8.8	320	202	162	162.13	49	9.66	14	2.68	24	149	22	7	0.14
433	GANJAM	DHARAKOTE	Dharkote	8.75	1060	569	394	346.91	69	53.94	71	1.32	37	348	123	43.6	0.21
434	GANJAM	DHARAKOTE	Gangapur	9.09	460	259	146	157.13	30	17.3	43	0.75	21	149	55	18.8	0.82
435	GANJAM	GANJAM	Huma	8.97	5300	2911	480	388.55	71	73.63	945	6.05	31	411	1456	127	1.4
436	GANJAM	GANJAM	Poirasi	8.4	470	269	217	145.9	61	15.76	22	1.4	0	178	67	13.8	0.3
437	GANJAM	HINJILICUT	Badakhandi	8.48	770	424	182	218.52	28	27.26	79	30.8	18	230	80	48.6	0.4

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438	GANJAM	HINJILICUT	Hinjlikatu	8.53	950	557	303	269.43	59	37.88	87	10.27	21	286	140	61.7	0.26
439	GANJAM	HINJILICUT	Pochilima	7.92	1200	686	379	171.31	99	32.09	126	3.59	0	209	282	40.4	0.31
440	GANJAM	JAGANATHPRASAD	Baragam	8.92	2050	1260	864	433.96	132	129.99	135	11.76	43	442	477	115	0.74
441	GANJAM	JAGANATHPRASAD	Chadeiapalli Chhak	8.89	640	352	318	260.68	57	42.74	16	1.58	31	255	60	18.7	0.33
442	GANJAM	JAGANATHPRASAD	Chamkahandi	8.76	440	248	116	127.3	32	8.79	47	2.68	9	137	48	33.5	0.39
443	GANJAM	JAGANATHPRASAD	Gayagonda 1	8.72	610	356	237	203.77	53	25.47	34	6.26	18	212	60	54.8	0.46
444	GANJAM	JAGANATHPRASAD	Jagannathprasad	8.56	830	398	308	152.7	81	25.75	31	2.3	9	168	152	14.2	0.08
445	GANJAM	JAGANATHPRASAD	Jhadabhumi	8.36	440	242	172	66.48	59	6.03	15	4.79	3	75	108	9.4	0.13
446	GANJAM	JAGANATHPRASAD	Saishamuli 1	8.15	940	558	298	275.41	49	42.73	118	1.62	0	336	151	31	0.58
447	GANJAM	JAGANATHPRASAD	Tarasingi	8.1	210	124	81	72.95	24	5.13	11	11.94	0	89	25	3.38	0.07
448	GANJAM	KAVISURJYANAGAR	Gudiali	8.71	1840	1054	475	366.15	57	80.91	250	2.53	21	404	323	122	0.81
449	GANJAM	KAVISURJYANAGAR	K.S.Nagar1	8.8	860	516	263	203.69	93	7.53	69	19.71	15	218	135	71	0.13
450	GANJAM	KHALIKOTE	Khalikot	8.53	410	220	146	86.97	40	11.23	26	5.49	3	100	67	18	0.13
451	GANJAM	KHALIKOTE	Kodala	8.71	890	521	333	280.08	32	61.55	63	16.28	21	299	118	63	0.43
452	GANJAM	KHALIKOTE	Rambha	8.5	1720	978	313	468.03	40	51.84	274	6.73	0	571	233	93.4	0.14
453	GANJAM	KUKUDAKHANDI	Digapahandi 1	8.81	1120	653	369	361.31	51	58.78	129	0.93	24	392	125	73.6	1.22
454	GANJAM	KUKUDAKHANDI	Kankia	8.33	330	208	141	96.31	36	12.44	19	4.22	15	87	58	21.6	0.13
455	GANJAM	KUKUDAKHANDI	Kukudahandi	7.7	900	473	313	186.89	77	29.39	65	1.7	0	228	153	35.8	0.37
456	GANJAM	KUKUDAKHANDI	Lanjia	8.3	1800	1043	449	452.46	65	69.74	207	75.5	0	552	262	94.1	0.91
457	GANJAM	KUKUDAKHANDI	Lathi	8.4	2070	1169	409	468.11	87	46.67	159	213.5	3	565	290	93.7	0.05
458	GANJAM	KUKUDAKHANDI	Padmanavapur	8	1345	769	288	228.69	49	40.3	183	17.8	0	279	257	85.5	0.56
459	GANJAM	KUKUDAKHANDI	Pitamberpur	8.6	790	434	202	374.59	36	27.27	105	0.81	0	457	32	9.45	1.52
460	GANJAM	KUKUDAKHANDI	Ratanpur	8.5	700	423	268	250	57	30.58	54	22.18	0	305	69	41.5	0.76
461	GANJAM	KUKUDAKHANDI	Rohigaon	8.3	650	344	293	286.07	71	28.17	22	9.48	0	349	42	0.9	0.75
462	GANJAM	PATRAPUR	Jarada1	8.78	470	299	172	244.02	55	8.45	47	0.9	21	255	31	10	0.36
463	GANJAM	PATRAPUR	Jayantipur	8.52	480	267	167	106.97	59	4.81	30	3.78	15	100	84	21.3	0.17

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464	GANJAM	PATRAPUR	Surangi	8.3	345	212	101	119.67	32	5.14	24	33.7	0	146	42	4.23	0.28
465	GANJAM	POLASARA	Polasora	8.5	1310	700	394	327.87	91	40.59	109	35.45	0	400	181	48.4	0.36
466	GANJAM	PURUSOTTAMPUR	Bananai	8.59	790	448	242	132.38	59	23.05	59	26.55	15	131	157	43.8	0.1
467	GANJAM	PURUSOTTAMPUR	Nuapalli	8.3	760	436	182	181.97	53	12.1	53	72.05	0	222	104	33.5	0.12
468	GANJAM	PURUSOTTAMPUR	Purusatampur	7.76	295	182	131	130.33	49	2.13	14	5.71	0	159	27	6.66	0.26
469	GANJAM	RANGILUNDA	Berhampur1	8.85	1100	662	308	276.17	89	20.9	113	43.25	28	280	164	66.5	0.12
470	GANJAM	RANGILUNDA	Dumdumi	8.55	570	315	162	96.48	45	12.09	55	8.31	21	75	108	29.4	0.1
471	GANJAM	RANGILUNDA	Golanthara	8.6	2650	1472	354	357.49	51	55.13	419	15.89	34	367	685	32	0.58
472	GANJAM	RANGILUNDA	Haladiapadar	8.51	1230	665	293	199.95	36	49.4	131	11.53	28	187	260	57.6	0.22
473	GANJAM	RANGILUNDA	Hinjalapalli 1	8.73	340	185	126	106.8	34	10.01	19	1.89	9	112	34	23.2	0.35
474	GANJAM	RANGILUNDA	Mantridi	7.9	1205	710	384	286.07	57	58.79	125	2.77	0	349	198	97.7	0.68
475	GANJAM	RANGILUNDA	Phulata	8.16	890	516	318	233.61	59	41.53	93	2.64	0	285	171	9.45	0.15
476	GANJAM	SANAKHEMUNDI	Patapur	7.8	1255	663	404	250	67	57.58	95	22.87	0	305	250	21.1	0.22
477	GANJAM	SANAKHEMUNDI	Pudamari	8.3	1030	567	379	275.41	83	41.8	57	22.46	0	336	139	60	0.33
478	GANJAM	SARGAD	Sheragada	8.21	1280	701	212	608.2	28	34.56	211	1.09	0	742	52	11	1.83
479	GANJAM	SARGAD	Subash Ch.Pur	8.15	935	514	424	353.28	59	67.3	53	2.19	0	431	99	22.1	0.47
480	GANJAM	SURADA	Sorada 1	8.16	1005	518	328	254.92	43	53.66	86	5.39	0	311	144	33.9	0.76
481	GANJAM	SURADA	Soramani	8.3	1100	585	263	379.51	36	42.11	85	74.75	0	463	109	12.4	1.47
482	JAGATSinghapur	BALIKUDA	Balikuda2	8.23	390	200	89	158.2	12	14.36	46	4	0	193	29	1	0.16
483	JAGATSinghapur	ERSAMA	Erasama-II	8.19	2410	1375	386	455.74	56	59.88	286	152	0	556	423	126	0.25
484	JAGATSinghapur	JAGATSinghapur	Balia Store	8.23	360	176	104	128.69	36	3.45	31	3	0	157	24	1	0.34
485	JAGATSinghapur	JAGATSinghapur	Govindpur	8.26	840	432	292	247.54	71	27.92	55	4	0	302	87	40	0.2
486	JAGATSinghapur	JAGATSinghapur	Nuapolbazar	8.28	490	233	203	208.2	42	23.88	17	2	0	254	24	0	0.27
487	JAGATSinghapur	JAGATSinghapur	Siuli	8.13	320	152	109	123.77	30	8.3	20	3	0	151	17	0	0.27
488	JAGATSinghapur	KUJANG	Balarampur	8.03	930	483	233	237.7	50	26.32	100	9	0	290	112	44	1.39
489	JAGATSinghapur	KUJANG	Bhutmundi1	8.73	2620	1458	356	347.05	32	67.14	394	76	42	338	459	222	0.68

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490	JAGATSINGHAPUR	KUJANG	Paradeepgarh1	8.28	380	205	114	84.43	36	5.88	30	6	0	103	41	36	0.03
491	JAGATSINGHAPUR	TIRTOL	Kanakpur	8.3	760	385	208	252.46	42	25.09	75	4	0	308	78	10	0.29
492	JAGATSINGHAPUR	TIRTOL	Raghunathpur	8.25	400	191	129	148.36	20	19.23	22	15	0	181	22	4	0.09
493	JAJAPUR	BADACHANA	Arkhapur	8.25	800	408	238	181.15	52	26.32	65	1.78	0	221	109	46	0.14
494	JAJAPUR	BADACHANA	Haridaspur	7.97	180	92	57	41.8	8	9.01	12	1.18	0	51	25	12	0.61
495	JAJAPUR	BARI	Kalamatia	8.66	1370	728	336	289.95	77	34.98	92	91	22	309	179	82	0.05
496	JAJAPUR	BINJHARPUR	Singpur	8.32	830	417	248	175.66	62	22.69	64	1.02	9	196	104	59	0.06
497	JAJAPUR	DANAGADI	Danagadi 1	7.74	240	113	67	51.64	12	9.01	19	0.52	0	63	40	2	0.01
498	JAJAPUR	DANAGADI	Jakhpura	8.08	200	134	98	93.44	12	16.55	9	11.4	0	114	25	5	0.03
499	JAJAPUR	DANAGADI	Phuljhore	8.35	400	203	150	144.51	29	18.88	19	0.96	9	158	32	18	0.89
500	JAJAPUR	DASARATHAPUR	Dasarathpur	8.47	1320	708	264	476.83	60	27.79	107	94.8	22	537	122	12	1.32
501	JAJAPUR	DHARMASALA	Amnut Monohi	8.04	650	354	176	103.28	33	22.77	63	2.22	0	126	107	65	0.11
502	JAJAPUR	DHARMASALA	Baruda	8.73	1140	616	78	537.98	10	12.9	221	4.04	40	575	32	16	0.83
503	JAJAPUR	DHARMASALA	Dankari	8.64	1300	671	269	532.32	27	49.02	185	5.04	43	562	74	15	1.45
504	JAJAPUR	DHARMASALA	Jamjhari	8.31	600	313	186	144.43	46	17.32	42	9.1	6	164	67	45	0.11
505	JAJAPUR	DHARMASALA	Jhargadia	8.18	410	199	135	103.28	10	26.76	24	7.77	0	126	45	25	0.11
506	JAJAPUR	DHARMASALA	Madhupurgarh	8.43	510	282	191	161.09	46	18.53	15	30.2	16	164	37	39	0.23
507	JAJAPUR	DHARMASALA	Pobala	8.13	190	102	57	41.8	14	5.37	15	0.51	0	51	35	7	0.03
508	JAJAPUR	DHARMASALA	Purunabavlamola	8.43	600	344	186	269.54	35	23.99	64	2.26	25	278	40	19	0.28
509	JAJAPUR	DHARMASALA	Ragadiposi	8.36	700	359	274	253.8	33	46.6	45	0.68	19	271	67	16	0.4
510	JAJAPUR	DHARMASALA	Sarei	8.04	360	183	88	82.79	14	12.9	15	30.6	0	101	32	29	0.07
511	JAJAPUR	JAJAPUR	Jajpur	8.45	690	379	243	217.81	58	23.9	38	22.4	22	221	62	46	0.05
512	JAJAPUR	SUKINDA	Chinguripal	7.94	310	150	93	82.79	19	11.09	15	7.81	0	101	42	5	0.03
513	JAJAPUR	SUKINDA	Dubri 1	8.34	500	236	191	217.73	31	27.63	25	1.85	19	227	20	1.5	0.31
514	JAJAPUR	SUKINDA	Garamiandw	8.17	100	52	36	26.23	10	2.69	7	0.55	0	32	15	2	0.02
515	JAJAPUR	SUKINDA	Khonedi	8.48	410	233	191	156.17	35	25.21	16	0.75	16	158	37	27	0.13

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					μ S/cm at 25°C	mg/L	mg/L as CaCO ₃		mg/L								
516	JAJAPUR	SUKINDA	Sohupur	8.15	240	122	88	67.21	19	9.87	12	1.62	0	82	27	12	0.05
517	JAJAPUR	SUKINDA	Sukinda	7.99	180	95	72	67.21	12	10.23	10	0.34	0	82	17	6	0.03
518	JHARSUGUDA	JHARSUGUDA	Belpahar	7.53	440	218	135	140.16	24	18.26	31	7	0	171	47	6.8	0.57
519	JHARSUGUDA	JHARSUGUDA	Brajrajnagar	7.45	940	451	265	280.33	60	28.03	56.8	13	0	342	75	50.3	0.14
520	JHARSUGUDA	KIRIMIRA	Bhalupatra	7.24	840	504	375	290.16	56	57.2	52.5	20	0	354	107	37.8	0.12
521	JHARSUGUDA	KOLABIRA	Ram Kumar Chawk	7.18	670	288	250	169.67	70	18.32	15.4	5.2	0	207	60	18	0.56
522	JHARSUGUDA	KOLABIRA	Sriyapali	7.4	360	186	135	145.08	28	15.84	20.6	5.3	0	177	27	2.1	0.48
523	JHARSUGUDA	LAIKERA	Chadnimal	7.48	500	242	210	230.33	36	29.22	15.5	5.8	0	281	17	1.3	0.23
524	JHARSUGUDA	LAIKERA	Kirimera	7.45	320	140	110	110	34	6.12	11.8	1.5	0	134	20	1.3	0.27
525	JHARSUGUDA	LAIKERA	Sahaspur	7.06	1030	467	325	85.25	90	24.42	48	7	0	104	175	72	0.26
526	JHARSUGUDA	LAKHANPUR	Bhikhampali	7.49	770	341	215	200	56	18.3	44.4	7.4	0	244	75	20.1	0.32
527	JHARSUGUDA	LAKHANPUR	Katarbaga	7.28	380	232	150	200	30	18.27	38.7	0.4	0	244	17	8.4	0.38
528	JHARSUGUDA	LAKHANPUR	Lakhanpur	7.62	550	276	200	154.92	40	24.36	30	2	0	189	62	25.1	0.19
529	JHARSUGUDA	LAKHANPUR	Panchagaon	7.39	610	320	185	195.08	54	12.22	52.3	4.8	0	238	67	13.3	0.16
530	JHARSUGUDA	LAKHANPUR	Singarpur	7.47	150	115	105	100	22	12.18	4.4	2	0	122	12	2.5	0.09
531	KALAHANDI	BHAWANIPATNA	Attanguda	7.11	1330	699	535	259.84	164	30.59	59	0.9	0	317	232	57	0.19
532	KALAHANDI	BHAWANIPATNA	Bawanipatna	7.35	380	205	160	100	52	7.36	11	4.1	0	122	37	34	0.14
533	KALAHANDI	BHAWANIPATNA	Bhawanipatna	7.48	490	250	135	195.08	34	12.2	49	0.9	0	238	27	10	0.61
534	KALAHANDI	BHAWANIPATNA	Dalguma	7.53	500	264	200	154.92	68	7.38	13	13.1	0	189	47	23	0.13
535	KALAHANDI	BHAWANIPATNA	Malgaon	7.54	600	301	225	169.67	60	18.31	31	3.4	0	207	60	27	0.27
536	KALAHANDI	BHAWANIPATNA	Sargigora	7.26	640	333	220	185.25	58	18.31	45	1.7	0	226	77	22	0.62
537	KALAHANDI	DHARAMAGARH	Dharamgarh	7.34	1420	709	505	314.75	100	62.12	92	2.2	0	384	210	55	0.23
538	KALAHANDI	GOLAMUNDA	Golamunda	7.9	1530	787	400	414.75	52	65.71	166	0.9	0	506	210	45	1.4
539	KALAHANDI	GOLAMUNDA	Golmunda	8.05	1290	655	210	430.33	50	20.73	197	4.5	0	525	85	41	2
540	KALAHANDI	GOLAMUNDA	Kegaon	7.26	650	332	265	200	84	13.47	26	2.3	0	244	60	27	0.28
541	KALAHANDI	JAYAPATNA	Baner	7.47	780	407	290	219.67	86	18.34	36	15.5	0	268	87	33	0.21

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					μ S/cm at 25°C	mg/L	mg/L as CaCO ₃		mg/L								
542	KALAHANDI	JAYAPATNA	Bijamara	7.14	1270	666	490	269.67	92	63.33	61	6.5	0	329	225	57	0.39
543	KALAHANDI	JAYAPATNA	Jaipatna	7.16	790	419	320	180.33	96	19.57	32	3.6	0	220	125	35	0.4
544	KALAHANDI	JAYAPATNA	Ladugaon	7.9	780	365	270	295.08	34	45.02	50	7.3	0	360	25	27	2.2
545	KALAHANDI	JUNAGARH	Badbasul	8.01	2290	1218	245	564.75	56	25.6	412	2	0	689	290	95	5.86
546	KALAHANDI	JUNAGARH	Baldiamal	7.65	740	379	230	185.25	38	32.87	58	9.6	0	226	87	43	0.8
547	KALAHANDI	JUNAGARH	Charbahal	7.56	580	293	190	240.16	54	13.44	43	4.4	0	293	20	14.5	0.35
548	KALAHANDI	JUNAGARH	Chiliguda	7.18	1360	712	510	325.41	148	34.22	69	15	0	397	210	41	0.78
549	KALAHANDI	JUNAGARH	Dasigaon	7.63	1000	530	340	314.75	76	36.56	42	51.1	0	384	92	44	0.39
550	KALAHANDI	JUNAGARH	Junagarh 1	7.22	800	418	305	269.67	74	29.27	42	1.5	0	329	72	38.5	0.3
551	KALAHANDI	JUNAGARH	Mahichala	7.24	1760	897	620	464.75	70	108.3	112	11.6	0	567	222	95	0.21
552	KALAHANDI	JUNAGARH	Tal Jaring	7.58	340	163	130	130.33	28	14.62	17	1.5	0	159	17	7	0.21
553	KALAHANDI	KALAMPUR	Bandigaon	7.44	380	191	150	145.08	40	12.21	15	5.6	0	177	22	10	0.29
554	KALAHANDI	KALAMPUR	Kalampur	7.5	580	304	165	200	50	9.79	55	2.8	0	244	47	20	0.2
555	KALAHANDI	KALAMPUR	Moter	7.55	510	244	205	209.84	50	19.51	18	4.9	0	256	22	4	0.82
556	KALAHANDI	KARLAMUNDA	Risida	7.57	560	270	245	219.67	46	31.66	15	1.7	0	268	32	12	0.17
557	KALAHANDI	KESINGA	Tundala	7.17	2070	1022	790	400	62	154.5	110	1	0	488	387	69	0.58
558	KALAHANDI	KOKASARA	Ampani	7.63	520	271	160	209.84	40	14.64	42	5.2	0	256	40	3.5	0.64
559	KALAHANDI	KOKASARA	Koksara	7.57	1220	654	230	400	44	29.23	170	4.7	0	488	147	20	0.68
560	KALAHANDI	KOKASARA	Sunamala	7.35	2810	1496	660	600	68	119.2	340	1.4	0	732	517	92	0.9
561	KALAHANDI	LANJIGARH	Bakatpur	7.64	320	167	120	114.75	36	7.34	17	1.7	0	140	22	14	0.29
562	KALAHANDI	LANJIGARH	Biswanathppur	7.43	760	376	290	235.25	80	21.98	40	0.7	0	287	62	31	0.43
563	KALAHANDI	LANJIGARH	Narla	7.21	980	509	380	269.67	86	40.22	45	6.5	0	329	117	53	0.39
564	KALAHANDI	LANJIGARH	Pokaribandh	7.22	870	464	320	290.16	78	30.49	25	46.6	0	354	75	35.5	0.25
565	KALAHANDI	MADANPUR RAMPUR	Madanpur	7.37	330	155	145	140.16	18	24.34	7	2.5	0	171	17	2	0.12
566	KALAHANDI	MADANPUR RAMPUR	M-rampur	7.47	440	230	175	180.33	54	9.79	16	5.5	0	220	27	10	0.22

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567	KALAHANDI	NARALA	Tulapada	7.51	390	198	165	175.41	50	9.79	12	0.4	0	214	17	4	0.19
568	KALAHANDI	THUAMUL RAM PUR	Gunupur	7.44	370	187	145	109.84	32	15.84	15	2.9	0	134	35	20.5	0.24
569	KANDHAMAL	BALIGUDA	Baliguda	7.16	230	134	110	109.84	34	6.12	6.5	6	0	134	12	3.8	0.11
570	KANDHAMAL	CHAKPAD	Sankarakhol	8.16	900	520	385	400	72	49.93	36.3	37	0	488	60	25.3	0.17
571	KANDHAMAL	G.UDAYAGIRI	G.udaigiri	7.7	730	309	185	145.08	68	3.73	30.6	21.3	0	177	80	18.3	0.09
572	KANDHAMAL	G.UDAYAGIRI	Kalinga	7.72	160	82	65	50	18	4.88	3.6	6	0	61	15	4.4	0.09
573	KANDHAMAL	G.UDAYAGIRI	Kalinga	7.72	160	82	65	50	18	4.88	3.6	6	0	61	15	4.4	0.09
574	KANDHAMAL	KHAJURIPADA	Khajuripada	7.54	630	284	185	180.33	52	13.44	34.8	8.4	0	220	60	8	0.22
575	KANDHAMAL	KHAJURIPADA	Khajuripada	7.54	630	284	185	180.33	52	13.44	34.8	8.4	0	220	60	8	0.22
576	KANDHAMAL	KHAJURIPADA	Ranipathar	8.13	440	238	205	219.67	26	34.07	23.7	1.3	0	268	17	4.8	0.44
577	KANDHAMAL	KHAJURIPADA	Sudrukumpa	8.03	300	204	160	145.08	36	17.06	18.2	3.5	0	177	37	5.3	0.09
578	KANDHAMAL	KHAJURIPADA	Telapalli	7.88	300	203	180	175.41	40	19.5	10.5	4.7	0	214	22	1	0.17
579	KANDHAMAL	NAUGAON	Gunjibadi	7.89	500	283	210	190.16	36	29.22	26.7	8.8	0	232	45	23.6	0.11
580	KANDHAMAL	NAUGAON	Nuagaon	7.86	530	294	215	214.75	50	21.94	28	8.1	0	262	35	22.5	0.15
581	KANDHAMAL	PHIRINGIA	Phiringia-i	7.76	300	171	135	125.41	32	13.41	11.7	6.8	0	153	22	10	0.1
582	KANDHAMAL	PHULABANI	Dubagarh	7.74	570	326	265	240.16	52	32.89	27.9	8.5	0	293	37	24.1	0.19
583	KANDHAMAL	PHULABANI	Katringia	7.57	170	96	70	54.92	20	4.9	4	6	0	67	20	4.2	0.09
584	KANDHAMAL	PHULABANI	Phulbani1	7.79	530	251	155	140.16	46	9.78	29.2	10.3	0	171	50	21.8	0.11
585	KANDHAMAL	RAIKIA	Raikia-ii	7.84	260	135	125	90.16	26	14.62	7.9	1.3	0	110	25	6.8	0.12
586	KANDHAMAL	TIKABALI	Paburiya	7.91	190	129	110	100	22	13.4	5.4	6.2	0	122	17	5.1	0.09
587	KANDHAMAL	TUMUDIBANDHA	Kurtamgarh	7.79	300	161	115	114.75	28	10.97	18	3.3	0	140	27	5	0.11
588	KANDHAMAL	TUMUDIBANDHA	Kurtamgarh	7.79	300	161	115	114.75	28	10.97	18	3.3	0	140	27	5	0.11
589	KENDRAPARA	DERA BIS	Chandola	7.72	900	433.34	260	290.16	55	29.85	80.2	8.02	0	354	72	15.66	0.42
590	KENDRAPARA	DERA BIS	Daliji	8.1	1450	753.19	122	395.08	20	17.53	239.5	9.2	0	482	181	50.31	0.752
591	KENDRAPARA	DERA BIS	Indupur2	7.74	950	482.75	255	185.25	59	26.21	82.48	26.55	0	226	156	21.98	0.194
592	KENDRAPARA	DERA BIS	Laxminarayanpur	7.75	1020	507.99	332	190.16	67	40.08	80.68	2.4	0	232	156	49.23	0.231

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593	KENDRAPARA	KENDRAPARA	Barua	7.82	640	310.3	199	175.41	49	18.66	51.67	2.27	0	214	62	22.5	0.209
594	KENDRAPARA	KENDRAPARA	Chandibazar	8.12	1300	671.42	367	285.25	69	47.37	117.4	20.35	0	348	241	7.16	0.283
595	KENDRAPARA	KENDRAPARA	Duhuria	7.92	1100	557.23	240	159.84	47	29.84	137	1.81	0	195	208	38.92	0.283
596	KENDRAPARA	KENDRAPARA	Jajanga	7.75	630	299.41	230	145.08	45	28.62	34.4	1.59	0	177	87	16.69	0.169
597	KENDRAPARA	KENDRAPARA	Jamdhar	8.13	1600	845.59	143	404.92	14	26.28	276.7	1.04	0	494	243	42.79	0.308
598	KENDRAPARA	KENDRAPARA	Jantilo	7.83	920	482.4	204	169.67	47	21.09	111.1	3.1	0	207	189	9.78	0.5
599	KENDRAPARA	KENDRAPARA	Kajala	7.89	490	235.05	153	125.41	33	17.18	33.97	3.14	0	153	57	15.97	0.244
600	KENDRAPARA	KENDRAPARA	Kasoti	7.82	780	383.32	179	145.08	31	24.72	88.17	8.17	0	177	139	6.25	0.211
601	KENDRAPARA	KENDRAPARA	Nikrai1	7.95	1050	529.96	275	259.84	69	25	104.5	9.01	0	317	159	9.08	0.239
602	KENDRAPARA	KENDRAPARA	Ramnagar	7.72	1190	580.2	168	164.75	33	20.83	175.6	3.68	0	201	231	17.48	0.326
603	KENDRAPARA	KENDRAPARA	Shyamsundarpur	7.73	680	327.64	204	154.92	33	29.58	57.32	1.33	0	189	79	35.38	0.245
604	KENDRAPARA	MAHAKALA PADA	Mahakalpara	8.08	510	252.26	163	159.84	45	12.33	28.95	12.37	0	195	37	21.39	0.242
605	KENDRAPARA	PATTAMUNDAI	Aul(Ali)	7.12	450	217.92	173	140.16	47	13.55	18.69	5.32	0	171	30	20.12	0.134
606	KENDRAPARA	PATTAMUNDAI	Mulabasanta	7.72	1340	681.46	418	140.16	73	57.35	102.4	12.18	0	171	345	9.08	0.189
607	KENDRAPARA	PATTAMUNDAI	Pattamundai3	8.01	720	357.52	168	154.92	29	23.25	80.57	4.81	0	189	107	20.53	0.335
608	KENDRAPARA	RAJNAGAR	Rajnagar	7.92	970	482.43	286	300	65	30.11	68.84	35.65	0	366	89	15.6	0.233
609	KENDUJHAR	ANANDPUR	Bhagomunda	7.69	540	323	185	100	46	17.08	37	2	0	122	67	48	0.54
610	KENDUJHAR	ANANDPUR	Nuagaon	7.83	790	426	215	175.41	46	24.37	67	2	0	214	71	62	0.66
611	KENDUJHAR	BANSPAL	Kanjipani	7.11	70	39	25	14.75	8	1.23	3	0.5	0	18	11	3	0.22
612	KENDUJHAR	BANSPAL	Suakati	7.45	60	35	25	9.84	8	1.23	3	1	0	15	11	3	0.21
613	KENDUJHAR	CHAMPUA	Jaymangalpur	7.1	320	183	80	50	18	8.53	32	2	0	61	46	28	0.2
614	KENDUJHAR	CHAMPUA	Jodipada	6.88	170	112	75	50	24	3.68	6	1	0	61	14	6	0.23
615	KENDUJHAR	CHAMPUA	Parsora	7.56	380	219	135	135.25	46	4.92	20	0.5	0	165	25	19	0.42
616	KENDUJHAR	CHAMPUA	Sasang	7.34	350	205	135	64.75	38	9.77	17	1	0	79	35	36	0.24
617	KENDUJHAR	GHASIPURA	Barpada	7.81	360	218	135	50	30	14.62	21	2	0	61	39	11	0.22
618	KENDUJHAR	GHASIPURA	Birgovindpur	6.95	400	232	105	154.92	18	14.61	44	2.5	0	189	21	10	0.56

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619	KENDUJHAR	GHASIPURA	Deogaon1	7.6	790	490	285	240.16	98	9.84	43	19	0	293	39	95	0.27
620	KENDUJHAR	GHASIPURA	Kesurdapal	7.92	240	143	100	69.67	32	4.9	9	2.5	0	85	18	17	0.25
621	KENDUJHAR	GHATGAON	Baxibarigan	7.88	170	99	40	45.08	8	4.87	20	0.5	0	55	21	5	0.3
622	KENDUJHAR	GHATGAON	Dhangadiha	6.1	140	89	45	25.41	8	6.09	11	3.5	0	31	18	8	0.14
623	KENDUJHAR	GHATGAON	Dhenkikote	7.8	230	130	70	25.41	16	7.31	16	1.5	0	31	28	31	0.33
624	KENDUJHAR	GHATGAON	Gadadharpur	6.65	210	136	80	35.25	16	9.74	11	2	0	43	18	30	0.16
625	KENDUJHAR	GHATGAON	Melana	6.02	300	206	80	50	22	6.11	25	13	0	61	35	20	0.16
626	KENDUJHAR	GHATGAON	Patilo	7.6	610	370	205	125.41	60	13.45	29	25.5	0	153	67	53	0.31
627	KENDUJHAR	GHATGAON	Rajpat	6.59	320	182	90	64.75	18	10.96	20	12	0	79	28	14	0.17
628	KENDUJHAR	HARICHADANPUR	Harichandanpur	7.45	620	365	210	140.16	48	21.94	40	2	0	171	32	102	0.55
629	KENDUJHAR	HARICHADANPUR	Jhangira	7.65	210	116	70	45.08	14	8.53	12	5	0	55	25	14	0.23
630	KENDUJHAR	HATADIHI	Ghasipur	6.88	410	238	140	145.08	42	8.56	23	3.5	0	177	25	20	0.41
631	KENDUJHAR	HATADIHI	Mathadai	7.5	510	282	225	154.92	56	20.73	15	1	0	189	50	18	0.42
632	KENDUJHAR	HATADIHI	Nuasahi	7.7	590	330	230	204.92	62	18.31	27	1	0	250	28	24	0.47
633	KENDUJHAR	JHUMPURA	Badaposhi	7.25	420	232	135	104.92	42	7.35	26	3	0	128	43	20	0.31
634	KENDUJHAR	JHUMPURA	Jhumpura	7.73	260	150	100	54.92	26	8.54	17	0	0	67	39	12	0.4
635	KENDUJHAR	JHUMPURA	Katalaposhi	7.57	220	132	90	59.84	30	3.68	11	0	0	73	18	23	0.34
636	KENDUJHAR	JHUMPURA	Ukunta	7.65	120	71	45	19.67	10	4.87	7	0	0	24	18	11	0.21
637	KENDUJHAR	JODA	Bhadrasahi	6.94	280	174	90	64.75	28	4.9	12	13	0	79	25	16	0.23
638	KENDUJHAR	JODA	Guali	7.21	280	191	90	54.92	24	7.32	23	4.5	0	67	39	3	0.21
639	KENDUJHAR	JODA	Joda	6.9	290	181	105	54.92	26	9.76	20	3.5	0	67	28	41	0.22
640	KENDUJHAR	JODA	Rugudi	6.96	450	259	160	150	56	4.93	16	11	0	183	25	23	0.34
641	KENDUJHAR	KENDUJHARGARH	Brahmandgram	7.6	1080	683	260	159.84	44	36.52	82	67	0	195	103	107	0.43
642	KENDUJHAR	KENDUJHARGARH	Gopalpur2	7.67	390	261	115	59.84	32	8.55	37	3	0	73	39	37	0.4
643	KENDUJHAR	KENDUJHARGARH	Haridagot	7.88	350	221	115	59.84	36	6.12	22	9	0	73	39	35	0.21
644	KENDUJHAR	KENDUJHARGARH	Jhadbelda	7.05	460	280	180	145.08	48	14.65	20	10	0	177	39	37	0.25

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					μ S/cm at 25°C	mg/L	mg/L as CaCO ₃		mg/L								
645	KENDUJHAR	KENDUJHARGARH	Keonjhar-li Old Town	7.39	690	395	260	204.92	68	21.96	24	20	0	250	50	40	0.38
646	KENDUJHAR	KENDUJHARGARH	Muktapur	6.73	460	258	175	150	42	17.07	21	2	0	183	28	28	0.43
647	KENDUJHAR	KENDUJHARGARH	Naranpur	7.65	560	325	180	159.84	50	13.43	45	0	0	195	64	33	0.89
648	KENDUJHAR	KENDUJHARGARH	Padampur2	7.56	490	277	180	90.16	50	13.43	21	6.5	0	110	60	30	0.45
649	KENDUJHAR	PATANA	Balaniposi	7.57	540	310	170	119.67	52	9.79	30	16	0	146	50	42	0.37
650	KENDUJHAR	PATANA	Burikapuri	7.3	340	212	110	54.92	28	9.76	32	3	0	67	46	18	0.31
651	KENDUJHAR	PATANA	Kendeiposhi	7.65	400	236	135	69.67	36	10.98	18	15	0	85	35	59	0.37
652	KENDUJHAR	PATANA	Khiritangiri	7.26	710	418	235	119.67	62	19.53	35	17	0	146	67	95	0.71
653	KENDUJHAR	PATANA	Kothaghar	7.49	770	491	250	104.92	64	21.96	32	43	0	128	71	115	0.35
654	KENDUJHAR	PATANA	Malliposi	7.4	470	298	155	80.33	46	9.78	28	20	0	98	46	40	0.3
655	KENDUJHAR	PATANA	Tangarpada	7.74	290	177	100	50	18	13.39	19	6	0	61	35	43	0.32
656	KENDUJHAR	PATANA	Turmunga	7.41	180	109	55	35.25	18	2.45	13	1	0	43	15	22	0.23
657	KENDUJHAR	SAHARAPADA	Gajitangri	7.27	250	160	90	40.16	18	10.96	15	5	0	49	25	13	0.27
658	KENDUJHAR	SAHARAPADA	Swampatna	7.3	590	354	195	150	54	14.65	23	32.5	0	183	46	53	0.31
659	KENDUJHAR	SAHARAPADA	Udaipur	7.41	120	77	35	14.75	8	3.66	13	0	0	18	14	22	0.29
660	KENDUJHAR	TELKOI	Akul	6.95	180	112	70	59.84	18	6.1	11	6	0	73	21	3	0.25
661	KENDUJHAR	TELKOI	Bimala	6.84	400	240	150	90.16	36	14.63	14	10.5	0	110	39	15	0.29
662	KENDUJHAR	TELKOI	Gonasika	7.27	60	38	25	9.84	8	1.23	3	0.5	0	12	11	3	0.2
663	KENDUJHAR	TELKOI	Jagmohanpur	7.32	800	452	285	195.08	84	18.34	50	1	0	238	113	31	0.54
664	KENDUJHAR	TELKOI	Kaliahata	7.24	110	71	45	19.67	8	6.09	5	4	0	24	14	8	0.22
665	KENDUJHAR	TELKOI	Padang	7.75	140	89	45	14.75	8	6.09	11	2.5	0	18	28	9	0.25
666	KENDUJHAR	TELKOI	Patakhali	7.21	680	406	265	169.67	68	23.18	26	10	0	207	60	37	0.33
667	KENDUJHAR	TELKOI	Pitanali	7.04	110	73	40	9.84	10	3.66	4	3	0	12	11	11	0.26
668	KENDUJHAR	TELKOI	Telkoi	7.45	560	322	165	130.33	32	20.71	50	1	0	159	78	33	0.32
669	KHORDHA	BALIANTA	Jagannathpur	7.45	340	193	125	119.67	26	14.62	20	0.39	0	146	21	12	0.31
670	KHORDHA	BALIANTA	Kundaidarapatna	7.45	780	439	235	240.16	42	31.66	70	1.2	0	293	82	31	0.35

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					μ S/cm at 25°C	mg/L	mg/L as CaCO ₃		mg/L									
			(pahala)															
671	KHORDHA	BALIPATANA	Balipatna	6.6	400	239	160	119.67	50	8.57	14	7	0	146	28	27	0.3	
672	KHORDHA	BALIPATANA	Odakhanda	8.2	3050	1911	460	759.84	144	24.49	412	131	0	927	326	240	0.42	
673	KHORDHA	BANAPUR	Banapur	7.4	480	280	140	190.16	40	9.77	40	9.8	0	232	28	5.8	0.16	
674	KHORDHA	BEGUNIA	Baghmari	6.57	880	599	150	135.25	46	8.57	76	97	0	165	89	136	0.33	
675	KHORDHA	BEGUNIA	Begunia	7.33	840	559	175	95.08	54	9.79	85	47	0	116	113	84	0.17	
676	KHORDHA	BHUBANESWAR	B-02 Samantarapur	7.75	300	190.84	107	102.46	37	3.57	20	6.59	0	125	32	18	0.261	
677	KHORDHA	BHUBANESWAR	B-04 Lingaraj Temple	8	400	224.1	112	97.54	37	4.79	36	6.79	0	119	45	30	0.065	
678	KHORDHA	BHUBANESWAR	B-05 Rath Road	7.42	570	311.57	138	113.11	47	5.04	58	17.95	0	138	89	36	0.064	
679	KHORDHA	BHUBANESWAR	B-06 Purnama Gate	7.95	350	214.31	97	97.54	33	3.57	37	7	0	119	42	27	0.054	
680	KHORDHA	BHUBANESWAR	B-07 Bapuji Nagar	8.2	450	267.12	107	97.54	39	2.36	46	20.81	0	119	67	33	0.06	
681	KHORDHA	BHUBANESWAR	B-09 Tankapani Road	8	350	189.05	92	72.13	35	1.14	41	4.93	0	88	52	34	0.048	
682	KHORDHA	BHUBANESWAR	B-12 Laxmi Sagar	8.3	450	258.04	117	148.36	37	6	40	19.35	0	181	42	12	0.258	
683	KHORDHA	BHUBANESWAR	B-14 Rasulgah	8.4	550	301.43	153	173.85	51	6.26	46	21.49	3	206	59	25	0.179	
684	KHORDHA	BHUBANESWAR	B-15 Bomikhal	8.1	220	144.08	36	36.07	10	2.69	33	7.52	0	44	47	14	0.026	
685	KHORDHA	BHUBANESWAR	B-17 Satya Nagar	7.9	400	234.18	87	72.13	33	1.13	46	12.06	0	88	67	23	0.033	
686	KHORDHA	BHUBANESWAR	B-22 Mancheswar	8.4	420	220.71	158	143.52	53	6.26	25	6.9	3	169	37	13	0.168	
687	KHORDHA	BHUBANESWAR	B-25 Sainik School	8.1	200	143.03	51	45.9	18	1.48	21	3.59	0	56	32	7	0.018	
688	KHORDHA	BHUBANESWAR	B-31 Unit-9	8.5	450	233.17	153	148.52	53	5.05	27	8.36	6	169	30	40	0.067	
689	KHORDHA	BHUBANESWAR	B-33 Unit-4	8.3	450	248.11	112	97.54	37	4.79	51	7.8	0	119	77	21	0.029	
690	KHORDHA	BHUBANESWAR	B-34 Ganga Nagar	8	250	139.1	36	40.98	12	1.47	35	4.6	0	50	47	12	0.023	
691	KHORDHA	BHUBANESWAR	B-35 Unit-6	8.11	300	169.56	82	77.05	20	7.8	30	5.5	0	94	40	15	0.082	
692	KHORDHA	BHUBANESWAR	B-37 OUAT	8	400	209.81	92	97.54	29	4.78	39	15.5	0	119	49	21	0.043	
693	KHORDHA	BHUBANESWAR	B-39 Bhimatangi	8.5	350	202	117	122.38	33	8.43	21	8.6	9	131	32	14	0.122	
694	KHORDHA	BHUBANESWAR	B-40 Kapilprasad	8.4	350	216	92	82.05	35	1.14	34	7.7	3	94	47	25	0.063	

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695	KHORDHA	BHUBANESWAR	B-41 Pokhariput	8.6	750	409	173	178.93	49	12.34	61	62	9	200	116	42	0.104
696	KHORDHA	BHUBANESWAR	B-42 Kargil Basti	8.3	110	64.5	31	36.07	8	2.68	11	2.9	0	44	17	2	0.021
697	KHORDHA	BHUBANESWAR	B-43 Gandamunda	7.76	170	137	41	45.9	14	1.48	19.5	2.6	0	56	25	2	0.022
698	KHORDHA	BHUBANESWAR	B-44 Baramunda	8.5	700	386	168	199.43	35	19.61	56	57	9	225	79	47	0.184
699	KHORDHA	BHUBANESWAR	B-45 Delta Square	8.2	350	182	77	66.39	18	7.8	41	7	0	81	59	21	0.036
700	KHORDHA	BHUBANESWAR	B-47 Ghatikia	8.1	200	137	51	45.9	8	7.55	20	2.7	0	56	27	10	0.037
701	KHORDHA	BHUBANESWAR	B-48 Dumuduma	8.3	500	234	153	143.44	39	13.54	33	20	0	175	40	45	0.192
702	KHORDHA	BHUBANESWAR	B-50 Janla	8	250	147	61	51.64	14	6.34	31	4.4	0	63	54	3	0.026
703	KHORDHA	BHUBANESWAR	Bhubaneswar-i	7.5	240	153	45	35.25	16	1.24	33	2.3	0	43	32	20	0.11
704	KHORDHA	BHUBANESWAR	Chandaka	7.2	500	323	160	104.92	46	11	17	41	0	128	46	54	0.27
705	KHORDHA	BHUBANESWAR	Kapilaprasad	7.22	410	256	120	80.33	36	7.34	36	5.5	0	98	43	34	0.16
706	KHORDHA	BHUBANESWAR	Kuha	7.15	1830	1091	480	190.16	110	49.98	196	5.1	0	232	305	280	0.99
707	KHORDHA	BHUBANESWAR	Mendhasala	7.47	670	408	185	119.67	50	14.65	58	19	0	146	85	87	0.25
708	KHORDHA	BHUBANESWAR	Palasuni	8.4	470	230.12	179	168.93	55	10.16	25	1.12	3	200	25	32	0.15
709	KHORDHA	BHUBANESWAR	Palasuni	8.4	470	230.12	179	168.93	55	10.16	25	1.12	3	200	25	32	0.15
710	KHORDHA	BHUBANESWAR	Patia	7.94	730	446	240	190.16	68	17.1	47	18	0	232	60	56	0.27
711	KHORDHA	BHUBANESWAR	Raghunathpur	7.99	520	292	230	109.84	35	34.69	8.5	8.6	0	134	64	53	0.27
712	KHORDHA	BHUBANESWAR	Sundarpada	7.51	930	554	275	140.16	60	30.46	84	5.5	0	171	124	133	0.36
713	KHORDHA	BHUBANESWAR	Tamando	7.69	350	220	110	35.25	28	9.76	28	3.5	0	43	46	45	0.15
714	KHORDHA	BOLAGAD	Bolagarh	7.23	240	137	90	95.08	26	6.11	13	1.2	0	116	14	1.4	0.31
715	KHORDHA	CHILIKA	Balugaon	7.13	1700	1044	340	335.25	68	41.42	184	85	0	409	227	177	0.19
716	KHORDHA	JATANI	Gobindpur	7.34	350	197	165	140.16	50	9.79	4.1	0.39	0	171	18	4.8	0.45
717	KHORDHA	JATANI	Janla	7.42	330	211	58	30.33	18	3.18	47	3.9	0	37	53	35	0.31
718	KHORDHA	JATANI	Jatni	7.37	190	110	70	69.67	22	3.67	10	1.6	0	85	11	10	0.12
719	KHORDHA	JATANI	Niranjanpur	7.6	150	86	70	25.41	9	11.56	2.1	0	0	31	11	30	0.15
720	KHORDHA	JATANI	Padanpur	8.15	170	98	70	35.25	14	8.53	5.3	2.3	0	43	25	5.3	0.13

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721	KHORDHA	JATANI	Sandhapur	8.15	170	105	55	25.41	14	4.88	14	0	0	31	11	40	0.12
722	KHORDHA	KHORDHA	Jayamangal	7.44	140	80	35	35.25	8	3.66	15	0.78	0	43	21	0.96	0.12
723	KHORDHA	KHORDHA	Khurda	7.25	220	139	80	35.25	23	5.5	13	0.78	0	43	25	12	0.16
724	KHORDHA	KHORDHA	Khurda Industrial Area	7.45	200	126	35	35.25	8	3.66	29	0.39	0	43	28	1.4	0.11
725	KHORDHA	TANGI	Bhusundapur	7.54	150	83	45	40.16	4	8.51	13	0.39	0	49	21	0.48	0.11
726	KHORDHA	TANGI	Jankia	7.6	140	82	50	35.25	14	3.66	7.8	2	0	43	18	1.4	0.31
727	KHORDHA	TANGI	Kuhudi	7.34	270	155	115	95.08	32	8.55	7.1	3.1	0	116	14	17	0.16
728	KHORDHA	TANGI	Nirakarpur	7.7	190	107	80	45.08	9	13.99	6.2	0.78	0	55	14	24	0.12
729	KHORDHA	TANGI	Sunakhela	7.7	250	149	90	64.75	22	8.54	16	0	0	79	21	16	0.28
730	KORAPUT	BOIPARIGUDA	Baipariguda	7.87	190	126	100	100	22	10.97	11	3.4	0	122	15	4	0.03
731	KORAPUT	BOIPARIGUDA	Dhaulapur	7.64	130	89	70	69.67	22	3.67	5	3.8	0	85	12	1	0.08
732	KORAPUT	BOIPARIGUDA	Mundaguda	7.34	1600	742	170	104.92	48	12.21	232	2.6	0	128	372	13	0.15
733	KORAPUT	BOIPARIGUDA	Patraput	7.54	200	107	100	80.33	28	7.33	3	1.3	0	98	17	1.9	0.05
734	KORAPUT	BOIPARIGUDA	Ramgiri1	7.86	450	251	215	209.84	42	26.8	17	2.5	0	256	30	7	0.13
735	KORAPUT	BOIPARIGUDA	Tanginiguda	7.79	220	121	75	100	20	6.1	18	2.5	0	122	12	2.5	0.16
736	KORAPUT	BORIGUMA	Bijapur	7.87	930	446	250	159.84	62	23.17	46	41	0	195	155	23	0.29
737	KORAPUT	BORIGUMA	Boriguma	8.25	450	227	170	140.16	40	17.07	24	2	0	171	50	10	0.15
738	KORAPUT	BORIGUMA	Jujari	7.92	820	444	215	214.75	58	17.09	84	7	0	262	122	28	0.11
739	KORAPUT	BORIGUMA	Khaliaguda	8.03	160	75	70	50	18	6.1	3	0.4	0	61	15	3	0.04
740	KORAPUT	BORIGUMA	Sasanhandi-ii	8.28	70	90	85	69.67	18	9.75	3.5	0.8	0	85	15	1.2	0.02
741	KORAPUT	DASAMANTAPUR	Podagada	7.65	320	170	135	140.16	36	10.98	11	2.8	0	171	22	3	0.01
742	KORAPUT	JEYPUR	Ambaguda1	7.15	440	201	130	109.84	22	18.26	22	13	0	134	52	8.4	0.04
743	KORAPUT	JEYPUR	Anta	7.99	880	437	255	285.25	66	21.96	36	49	0	348	55	39	0.13
744	KORAPUT	JEYPUR	Balia	7.89	500	243	170	164.75	52	9.79	21	12	0	201	40	10	0.12
745	KORAPUT	JEYPUR	C.kusimi-i	7.66	470	242	190	159.84	38	23.14	22	2.4	0	195	57	4	0.21
746	KORAPUT	JEYPUR	C-kusumi-ii	8.12	230	136	95	85.25	18	12.18	16	2.4	0	104	30	6	0.06

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747	KORAPUT	JEYPUR	Jayantigiri	7.51	460	233	180	169.67	58	8.58	20	5	0	207	37	3	0.07
748	KORAPUT	JEYPUR	Jeypore1	7.79	750	379	260	209.84	54	30.46	48	1	0	256	95	25	0.06
749	KORAPUT	JEYPUR	Kantarkhal 1	7.97	1400	737	405	330.33	60	62.07	102	57	0	403	177	82	0.05
750	KORAPUT	JEYPUR	Kenduguda	8.2	180	106	70	69.67	22	3.67	11	1.6	0	85	17	9	0.07
751	KORAPUT	JEYPUR	Konga	7.65	110	90	65	64.75	24	1.24	5	4.8	0	79	15	1	0.06
752	KORAPUT	JEYPUR	Panasaputbagh	7.5	190	119	90	90.16	26	6.11	7	7	0	110	15	4	0.08
753	KORAPUT	JEYPUR	Randapalli-Bj-I	8	880	474	350	169.67	96	26.86	46.8	1.2	0	207	180	22	0.04
754	KORAPUT	JEYPUR	Umeri1	7.53	410	215	165	109.84	40	15.85	25	1.3	0	134	65	2	0.06
755	KORAPUT	KORAPUT	Deoghati	7.74	130	74	50	50	16	2.45	10	1.5	0	61	12	2	0.06
756	KORAPUT	KORAPUT	Disarikaraguda- New Colony	7.58	160	90	60	64.75	18	3.67	12	2	0	79	15	1	0.03
757	KORAPUT	KORAPUT	Dumuriput	7.39	150	78	65	59.84	20	3.67	4	3.6	0	73	10	1	0.07
758	KORAPUT	KORAPUT	Koraput-i	7.58	100	101	95	69.67	20	10.97	3	1.6	0	85	20	4	0.08
759	KORAPUT	KORAPUT	Koraput-ii	7.31	550	264	220	200	52	21.95	19	1.6	0	244	32	18	0.09
760	KORAPUT	KOTPAD	Chandli	7.75	490	253	150	140.16	44	9.78	29	15	0	171	52	19	0.05
761	KORAPUT	KOTPAD	Damanahandi	7.87	150	91	55	40.16	18	2.45	8	8.8	0	49	25	5	0.07
762	KORAPUT	KOTPAD	Gumur	7.48	210	113	70	64.75	18	6.1	13	4.6	0	79	27	6	0.04
763	KORAPUT	KOTPAD	Kotpad	7.61	190	108	95	75.41	24	8.54	4	2	0	92	17	7	0.09
764	KORAPUT	KOTPAD	Miriguda	7.42	330	190	95	75.41	32	3.69	22	15	0	92	62	10	0.04
765	KORAPUT	KUNDURA	Bajiguda	7.65	210	124	90	69.67	22	8.54	11	5.2	0	85	35	1	0.03
766	KORAPUT	LAKSHMIPUR	Burja	8.1	900	459	245	280.33	62	21.96	40	66	0	342	82	20	0.12
767	KORAPUT	LAKSHMIPUR	Dhamanaganda	7.47	280	133	90	85.25	26	6.11	14	5	0	104	25	6	0.15
768	KORAPUT	LAKSHMIPUR	Kakriguma	8.1	530	288	210	230.33	28	34.07	36	2	0	281	35	15	0.08
769	KORAPUT	LAKSHMIPUR	Kusumguda	7.25	130	86	70	50	24	2.46	5	1.4	0	61	20	8.4	0.05
770	KORAPUT	LAKSHMIPUR	Mandalguda Colony	7.21	270	139	105	109.84	32	6.12	14	2	0	134	17	2	0.25
771	KORAPUT	LAKSHMIPUR	Panchada	7.56	130	81	75	54.92	22	4.89	4	0.6	0	67	15	1.5	0.05
772	KORAPUT	LAMPTAPUT	Lamtaput	7.27	110	61	55	59.84	18	2.45	2	0.2	0	73	2	1	0.02

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773	KORAPUT	LAMPTAPUT	Teraguda	7.93	150	86	75	59.84	28	1.25	3	0.9	0	73	15	2	0.03
774	KORAPUT	NANDAPUR	Bheja 1	7.93	150	80	75	54.92	20	6.1	2	0.8	0	67	17	1	0.25
775	KORAPUT	NANDAPUR	Chingudichuan	7.95	150	84	75	64.75	20	6.1	3	1.5	0	79	12	3	0.03
776	KORAPUT	NANDAPUR	Nandapur	7.8	150	77	75	75.41	16	8.53	4	0.3	0	92	2	1	0.03
777	KORAPUT	NANDAPUR	Satsimile	8.2	180	94	90	80.33	20	9.75	2	1	0	98	12	1	0.07
778	KORAPUT	POTTANGI	Potangi	8.19	150	77	75	59.84	28	1.25	1	0.4	0	73	10	1	0.23
779	KORAPUT	POTTANGI	Sunki 1	7.45	260	132	95	80.33	32	3.69	14	1.2	0	98	30	3	0.06
780	KORAPUT	SIMILIGUDA	Kunduli	7.05	790	385	190	190.16	38	23.14	45	46	0	232	85	34	0.05
781	KORAPUT	SIMILIGUDA	Pitaguda	7.4	110	76	70	59.84	20	4.89	3	1.3	0	73	10	1	0.03
782	KORAPUT	SIMILIGUDA	Similiguda1	7.91	220	124	85	80.33	20	8.53	16	2.8	0	98	27	2	0.03
783	KORAPUT	SIMILIGUDA	Similiguda1	7.63	220	130	100	80.33	24	9.75	11	4	0	98	32	1	0.05
784	KORAPUT	SIMILIGUDA	Subai	7.73	160	69	65	50	18	4.88	2	0.8	0	61	12	1	0.02
785	MALKANGIRI	KHAIRPUT	Govindpali 1	7.7	740	449	235	180.33	38	34.08	55	10.2	0	220	39	94	0.44
786	MALKANGIRI	KHAIRPUT	Khairput1	7.55	780	455	295	204.92	100	11.06	38	9	0	250	103	24	0.39
787	MALKANGIRI	KHAIRPUT	Mundiguda	8.2	470	267	205	209.84	50	19.51	7	11	0	256	11	2	0.49
788	MALKANGIRI	KORKUNDA	Balimela	7.35	570	305	250	235.25	36	38.94	15	1	0	287	28	9	0.92
789	MALKANGIRI	KORKUNDA	Chitapari	7.54	500	279	205	195.08	40	25.58	14	9.78	0	238	32	2	0.44
790	MALKANGIRI	KORKUNDA	Korukonda 1	7.69	780	452	270	150	64	26.82	51	4.7	0	183	110	72	0.34
791	MALKANGIRI	KORKUNDA	M.V 37	8.19	390	228	115	159.84	36	6.12	35	2	0	195	11	17	0.71
792	MALKANGIRI	KUDUMULUGUM	Kudumuluguma1	8.16	940	588	320	304.92	100	17.14	37	53	0	372	50	47	0.33
793	MALKANGIRI	KUDUMULUGUM	Parkannala	8.2	320	195	115	85.25	28	10.97	17	6.3	0	104	21	25	0.47
794	MALKANGIRI	KUDUMULUGUM	Somnathpur 1	8.2	340	185	135	140.16	38	9.77	13	4.3	0	171	14	0	0.63
795	MALKANGIRI	MALKANGIRI	Kumbharguda	8.2	760	499	205	145.08	46	21.94	46	57	0	177	60	86	0.37
796	MALKANGIRI	MALKANGIRI	M.V.9	8.2	440	242	190	190.16	32	26.78	7	11	0	232	14	8	0.51
797	MALKANGIRI	MALKANGIRI	Malkangiri 1	7.99	1540	933	290	150	72	26.83	211	16	0	183	284	203	0.36
798	MALKANGIRI	MALKANGIRI	Sindhimal	8.19	530	311	190	180.33	66	6.16	27	11	0	220	43	22	0.44

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					μ S/cm at 25°C	mg/L	mg/L as CaCO ₃		mg/L								
799	MALKANGIRI	MATHILI	Katameta	8	80	47	25	19.67	4	3.65	6	0	0	24	7	7	0.21
800	MALKANGIRI	MATHILI	Maithili1	8.2	430	245	160	150	44	12.21	23	3.5	0	183	35	11	0.45
801	MALKANGIRI	MATHILI	Pongam	8.1	610	362	190	130.33	64	7.37	47	9	0	159	85	47	0.59
802	MALKANGIRI	PODIA	M.v.19	8.2	1035	588	440	200	44	80.29	7	48	0	244	128	126	0.36
803	MAYURBHANJ	BAHALDA	Bahalda	7.81	460	257	150	154.92	32	17.06	39	0	0	189	43	10	0.7
804	MAYURBHANJ	BAHALDA	Bahalda Road(kona)	7.8	630	363	235	145.08	60	20.74	40	0	0	177	78	52	0.72
805	MAYURBHANJ	BAHALDA	Dandabose	7.56	500	293	160	109.84	42	13.42	40	1	0	134	57	29	0.4
806	MAYURBHANJ	BAHALDA	Gambharia	7.3	1000	537	250	200	68	19.53	75	29	0	244	124	55	0.37
807	MAYURBHANJ	BAHALDA	Poilakunda	8	530	309	175	125.41	28	25.56	44	2	0	153	60	50	0.73
808	MAYURBHANJ	BANGIRIPOSI	Bedhakudar	8.36	610	307	243	172.3	70	16.62	27	2	6	198	89	0	0.3
809	MAYURBHANJ	BANGIRIPOSI	Budhamara	8.48	600	332	171	155.98	48	12.46	58	6	9	172	55	60	0.75
810	MAYURBHANJ	BANGIRIPOSI	Jamsola	7.86	100	47	36	20.49	8	3.9	3	1	0	25	18	0	0.02
811	MAYURBHANJ	BANGIRIPOSI	Jharpokhari	8.48	750	403	197	155.98	50	17.57	71	19	9	172	133	21	0.05
812	MAYURBHANJ	BANGIRIPOSI	Rajabasa	7.84	200	91	72	36.89	10	11.44	9	3	0	45	34	2	0.02
813	MAYURBHANJ	BANGIRIPOSI	Saraskona	8.58	930	469	352	255.16	68	44.33	41	25	9	293	98	42	0.14
814	MAYURBHANJ	BAR SAHI	Badasahi	7.84	410	214	88	46.72	14	12.9	52	1	0	57	71	36	0.05
815	MAYURBHANJ	BAR SAHI	Baidipur	7.63	200	98	52	36.89	14	4.15	15	7	0	45	34	2	0.03
816	MAYURBHANJ	BAR SAHI	Belam	8.48	620	327	217	145.33	58	17.58	32	21	9	159	75	38	0.11
817	MAYURBHANJ	BARIPADA	Baripada	7.85	460	218	135	52.46	35	11.59	33	3	0	64	91	13	0.02
818	MAYURBHANJ	BETA NATI	Betanoti	8.08	510	272	98	104.1	27	7.45	62	3	0	127	78	33	0.06
819	MAYURBHANJ	BETA NATI	Hatjori	8.48	350	173	150	119.1	43	10.39	11	0	9	127	27	10	0.2
820	MAYURBHANJ	BETA NATI	Kalana	8.2	600	345	145	52.46	39	11.6	70	2	0	64	119	72	0.04
821	MAYURBHANJ	BETA NATI	Krishnachandrap	7.85	300	203	83	41.8	17	9.87	26	15	0	51	43	66	0.02
822	MAYURBHANJ	BIJA TOLA	Bademtolia	7.46	620	351	240	154.92	58	23.17	33	0.5	0	189	71	35	0.32
823	MAYURBHANJ	BISOI	Ambadiha	7.77	170	102	80	40.16	16	9.74	6	0	0	49	11	25	0.31
824	MAYURBHANJ	BISOI	Bhatachhatra	7.66	170	102	65	30.33	14	7.31	8	1	0	37	21	11	0.24

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					μ S/cm at 25°C	mg/L	mg/L as CaCO ₃		mg/L								
825	MAYURBHANJ	BISOI	Bisoi	7.58	170	103	65	35.25	16	6.1	6	3	0	43	18	14	0.23
826	MAYURBHANJ	BISOI	Karanjei-Bijatola Chhak	7.3	730	460	300	100	62	35.33	30	7	0	122	57	113	0.36
827	MAYURBHANJ	BISOI	Manda	7.61	230	135	90	50	30	3.68	11	2	0	61	28	18	0.26
828	MAYURBHANJ	GOPA BANDHU NAGAR	Khunta	8.1	180	90	52	26.23	17	2.33	15	2	0	32	39	0	0.01
829	MAYURBHANJ	GOPA BANDHU NAGAR	Similibandh	8.47	460	245	212	188.88	46	23.64	13	10	13	204	21	19	0.27
830	MAYURBHANJ	JAMDA	Moranda	7.66	500	302	185	185.25	46	17.08	33	3	0	226	32	28	0.89
831	MAYURBHANJ	JASHI PUR	Begna	7.96	130	78	55	19.67	14	4.88	4	1	0	24	11	20	0.3
832	MAYURBHANJ	JASHI PUR	Jamukeswar	8.04	250	153	80	64.75	18	8.53	22	0.5	0	79	25	28	0.31
833	MAYURBHANJ	JASHI PUR	Mananda	7.81	390	216	160	90.16	32	19.49	14	1	0	110	35	31	0.38
834	MAYURBHANJ	JASHI PUR	Matigarh	7.61	90	62	45	9.84	10	4.87	2	0.5	0	12	7	23	0.19
835	MAYURBHANJ	JASHI PUR	Padampur	7.44	360	205	160	140.16	46	11	10	0	0	171	7	24	0.52
836	MAYURBHANJ	KAPTIPADA	Poradiha	8.38	590	300	212	136.42	48	22.43	27	19	13	140	69	33	0.1
837	MAYURBHANJ	KARANJIA	Chadheibhol	7.82	730	441	215	109.84	42	26.8	72	2	0	134	103	65	0.3
838	MAYURBHANJ	KARANJIA	Kendumundi	7.42	360	205	135	109.84	40	8.56	15	1	0	134	28	26	0.3
839	MAYURBHANJ	KARANJIA	Tato	7.8	40	25	20	4.92	4	2.44	1	0	0	6	4	10	0.19
840	MAYURBHANJ	KARANJIA	Thianali	7.82	370	216	145	90.16	38	12.2	14	7.5	0	110	35	28	0.37
841	MAYURBHANJ	KARANJIA	Tongabila Chhak	7.41	300	175	105	54.92	32	6.12	20	1	0	67	35	31	0.27
842	MAYURBHANJ	KHUNTA	Dukura	7.74	250	136	67	52.46	23	2.34	19	13	0	64	39	9	0.03
843	MAYURBHANJ	KOLIANA	Kuchei	8.38	430	235	140	109.1	43	7.95	25	18	3	127	53	23	0.03
844	MAYURBHANJ	KOLIANA	Kuliana	8.34	150	72	57	35	10	7.79	9	1	3	37	30	0	0.02
845	MAYURBHANJ	KOLIANA	Pathuri	8.73	940	513	316	302.98	85	25.27	39	63	19	331	87	33	0.12
846	MAYURBHANJ	KUSUMI	Badampahad	8	310	193	115	64.75	32	8.55	12	9	0	79	21	38	0.35
847	MAYURBHANJ	KUSUMI	Kherna	8.04	350	216	125	85.25	32	10.98	21	2	0	104	32	21	0.32
848	MAYURBHANJ	KUSUMI	Naujara	8.07	350	202	150	64.75	32	17.06	12	0	0	79	35	35	0.43
849	MAYURBHANJ	MURUDA	Chitrada	8.21	260	126	83	68.03	25	5.01	18	2	0	83	34	1	0.1

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850	MAYURBHANJ	MURUDA	Nechuapada	7.92	140	68	52	31.15	14	4.15	8	1	0	38	23	0	0.02
851	MAYURBHANJ	RAIRANG PUR	Champrai	7.8	200	123	75	40.16	20	6.1	10	3	0	49	18	23	0.26
852	MAYURBHANJ	RAIRANG PUR	Niranjan	7.71	280	178	95	45.08	22	9.75	22	4	0	55	35	35	0.24
853	MAYURBHANJ	RAIRANG PUR	Purunapani	7.6	400	247	135	85.25	28	15.84	25	12	0	104	43	23	0.26
854	MAYURBHANJ	RARUAN	Jhunkapal	8.07	190	115	80	50	22	6.11	5	3	0	61	11	28	0.34
855	MAYURBHANJ	RARUAN	Khiching	7.78	390	226	160	104.92	40	14.64	15	1	0	128	43	18	0.33
856	MAYURBHANJ	RASA-GOBINDAPUR	Amarda village	8.11	480	258	135	104.1	31	14.02	39	19	0	127	73	21	0.07
857	MAYURBHANJ	RASA-GOBINDAPUR	Devsol	7.99	100	49	36	15.57	6	5.11	5	1	0	19	21	1	0.01
858	MAYURBHANJ	RASA-GOBINDAPUR	Rashgovindpur	7.78	110	50	36	26.23	8	3.9	5	1	0	32	16	0	0.01
859	MAYURBHANJ	SAMAKHUNTA	Pithabata	8.7	720	345	285	241.34	33	49.27	32	10	13	268	43	36	0.39
860	MAYURBHANJ	SAMAKHUNTA	Shamakunta	8.71	690	395	197	187.13	54	15.14	29	65	9	210	66	53	0.05
861	MAYURBHANJ	SARAS KANA	Bangriposi	8.34	500	254	202	166.64	70	6.65	20	1	9	185	46	12	0.22
862	MAYURBHANJ	SUKRULI	Indupur	7.79	470	262	200	100	42	23.15	15	0	0	122	71	29	0.32
863	MAYURBHANJ	SUKRULI	Singada Chhak	8.18	130	74	55	33.6	10	7.31	5	1	0	41	7	18	0.36
864	MAYURBHANJ	SULIA PADA	Bagra	7.61	200	86	67	26.23	17	5.98	9	0	0	32	37	1	0.03
865	MAYURBHANJ	SULIA PADA	Kostha	7.84	230	114	67	52	14	7.8	16	8	0	63	34	10	0.02
866	MAYURBHANJ	SULIA PADA	Sullyapada	8.21	130	58	41	41.8	12	2.69	6	2	0	51	11	0	0.03
867	MAYURBHANJ	THAKUR MUNDA	Asanbani	7.41	260	177	115	50	36	6.12	8	3	0	61	21	33	0.22
868	MAYURBHANJ	THAKUR MUNDA	Champajhar	7.7	180	97	75	64.75	22	4.89	4	1	0	79	4	13	0.24
869	MAYURBHANJ	THAKUR MUNDA	Kendujani	7.37	210	124	80	50	26	3.68	11	1.5	0	61	11	23	0.3
870	MAYURBHANJ	THAKUR MUNDA	Mahuldia	7.18	980	543	230	145.08	58	20.74	90	14	0	177	89	98	0.24
871	MAYURBHANJ	THAKUR MUNDA	Nada	6.65	340	206	140	125.41	42	8.56	21	1	0	153	18	22	0.75
872	MAYURBHANJ	THAKUR MUNDA	Satkosia	6.95	440	284	175	159.84	54	9.79	27	1.5	0	195	25	45	0.6
873	MAYURBHANJ	THAKUR MUNDA	Taramara	7.43	780	442	310	200	62	37.76	27	15	0	244	82	65	0.4
874	MAYURBHANJ	TIRINGI	Nischintapur	7.49	1200	658	475	169.67	124	40.27	40	1	0	207	191	80	0.4
875	MAYURBHANJ	TIRINGI	Tiring	7.97	520	318	185	104.92	56	11.01	35	0.5	0	128	21	110	0.84

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876	NABARANGAPUR	DABUGAN	Debugaon	7.62	400	206	150	154.92	38	13.42	11	17.8	0	189	25	8.3	0.13
877	NABARANGAPUR	JHARIGAN	Fufugaon	7.88	470	239	160	180.33	40	14.64	25.6	11.6	0	220	35	4.8	0.26
878	NABARANGAPUR	JHARIGAN	Jharigan	7.65	770	386	285	154.92	42	43.81	41.2	5.6	0	189	85	75.8	0.33
879	NABARANGAPUR	KOSAGUMUDA	Karchamal	7.7	350	174	160	145.08	44	12.21	4	4.4	0	177	15	7.6	0.09
880	NABARANGAPUR	KOSAGUMUDA	Kodinga	7.81	260	128	90	95.08	24	7.32	17	0.9	0	116	22	0	0.04
881	NABARANGAPUR	KOSAGUMUDA	Kosagumunda	7.23	1180	647	355	295.08	66	46.28	106	2.9	0	360	172	77.5	0.54
882	NABARANGAPUR	KOSAGUMUDA	Kosagumunda 1	7.59	780	413	235	250	64	18.31	62.8	10.6	0	305	85	23	0.13
883	NABARANGAPUR	NABARANGAPUR	Baksaguda	7.84	390	184	150	169.67	24	21.91	18	2	0	207	17	0	1.31
884	NABARANGAPUR	NABARANGAPUR	Nowrangpur 1	8.11	580	295	175	154.92	26	26.78	49	4.2	0	189	95	1.1	0.07
885	NABARANGAPUR	NABARANGAPUR	Sonamasigan	7.91	520	236	245	240.16	34	38.94	5.4	1.2	0	293	12	1	0.1
886	NABARANGAPUR	NANDAHANDI	Daibata	8.1	390	178	165	154.92	22	26.77	11	1	0	189	25	0	0.06
887	NABARANGAPUR	NANDAHANDI	Kurlaghati	7.91	390	195	155	190.16	28	20.7	15.5	2.7	0	232	12	2	0.37
888	NABARANGAPUR	NANDAHANDI	Nandahandi	8.23	480	231	180	195.08	28	26.78	23	5.6	0	238	22	8.9	0.26
889	NABARANGAPUR	NANDAHANDI	Rangamatiguda	8.07	240	118	105	95.08	26	9.76	3.2	5.2	0	116	15	1.8	0.05
890	NABARANGAPUR	NANDAHANDI	Sagarmunda	8.02	400	193	165	164.75	34	19.49	10.3	7.5	0	201	17	6.4	0.16
891	NABARANGAPUR	PAPARAHANDI	Dengaguda	7.57	320	161	130	119.67	42	6.13	10	3.6	0	146	27	0.6	0.41
892	NABARANGAPUR	PAPARAHANDI	Maidalpur1	7.89	850	426	305	295.08	62	36.55	50.5	6.8	0	360	82	11.6	0.32
893	NABARANGAPUR	PAPARAHANDI	Papadahandi1	7.96	710	380	185	230.33	32	25.57	61.6	27	0	281	75	21.5	0.32
894	NABARANGAPUR	TENTULIKHUNTI	Anchalguma1	7.38	890	462	310	225.41	44	48.68	39.3	35	0	275	140	20	0.31
895	NABARANGAPUR	TENTULIKHUNTI	Digi	8.25	560	296	160	130.33	30	20.7	50.6	7.8	0	159	90	19.3	0.29
896	NABARANGAPUR	TENTULIKHUNTI	Tentulikunti 1	7.96	410	203	150	135.25	26	20.7	19.5	7.7	0	165	47	1.7	0.14
897	NABARANGAPUR	TENTULIKHUNTI	Udaipur	8.16	730	377	250	259.84	48	31.67	24.3	47.9	0	317	57	13	0.48
898	NABARANGAPUR	UMARKOTE	Baheda	7.51	850	424	300	250	60	36.54	53.4	3.7	0	305	102	19	0.27
899	NABARANGAPUR	UMARKOTE	Bhaskel-dam sit	7.32	1540	797	570	200	130	59.73	84.9	9.7	0	244	385	8.3	0.52
900	NABARANGAPUR	UMARKOTE	Dondasora	8.13	320	156	125	119.67	30	12.19	11.4	6.6	0	146	22	2.6	0.28
901	NABARANGAPUR	UMARKOTE	Umarkot	8.03	1120	594	315	235.25	68	35.34	106	10.91	0	287	212	21.3	0.51

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902	NABARANGAPUR	UMARKOTE	Umerkote	8.03	1120	594	315	235.25	68	35.34	106	10.91	0	287	212	21.3	0.51
903	NAYAGARH	BHAPUR	Bhapur1	7.68	450	250	190	135.25	46	18.29	13	1	0	165	39	29	0.64
904	NAYAGARH	BHAPUR	Kantilo	8.24	400	229	155	145.08	36	15.85	16	3	0	177	14	28	0.6
905	NAYAGARH	BHAPUR	Khandapada	8.22	450	259	150	180.33	32	17.06	34	1	0	220	18	20	0.75
906	NAYAGARH	BHAPUR	Nuabausabati (upper Bausabati)	7.7	1250	739	430	190.16	92	48.74	74	11	0	232	170	125	0.99
907	NAYAGARH	DASAPALLA	Daspalla Market	7.64	550	314	140	75.41	40	9.77	46	8	0	92	60	35	0.37
908	NAYAGARH	DASAPALLA	Daspalla-i	7.69	350	206	145	95.08	42	9.78	14	2	0	116	28	32	0.47
909	NAYAGARH	DASAPALLA	Durga Prasad	7.76	190	121	80	64.75	18	8.53	9	0.25	0	79	11	10	0.17
910	NAYAGARH	DASAPALLA	Jogibandh	8.03	1050	546	445	350	60	71.8	24	4	0	427	85	34	1.48
911	NAYAGARH	DASAPALLA	Kuanria	7.13	1830	1191	560	90.16	128	58.51	166	7.8	0	110	248	384	1.01
912	NAYAGARH	DASAPALLA	Kuluru Kumpa	7.78	390	236	175	135.25	42	17.07	14	6	0	165	25	18	0.3
913	NAYAGARH	DASAPALLA	Madhyakhand 2	7.26	410	232	140	145.08	30	15.84	23	6	0	177	18	23	0.1
914	NAYAGARH	DASAPALLA	Rangamatia	7.32	1820	1204	530	100	124	53.64	166	8	0	122	191	441	1.02
915	NAYAGARH	DASAPALLA	Subalaya	7.89	550	319	210	164.75	60	14.66	24	10	0	201	39	28	0.08
916	NAYAGARH	GANIA	Adakata	7.18	580	326	210	119.67	42	25.58	35	2	0	146	82	24	0.4
917	NAYAGARH	GANIA	Banigocha	7.37	700	427	260	200	70	20.75	40	4	0	244	35	62	0.32
918	NAYAGARH	GANIA	Gania	7.7	310	184	145	100	30	17.06	6	3.5	0	122	21	26	0.48
919	NAYAGARH	GANIA	Ghholahandi	7.55	880	502	305	145.08	90	19.56	57	1	0	177	113	60	0.47
920	NAYAGARH	GANIA	Kishore Prasad	7.63	1730	1015	700	169.67	146	81.63	58	4	0	207	262	152	0.58
921	NAYAGARH	GANIA	Takara	7.76	650	376	220	250	58	18.31	35	16	0	305	39	17	0.42
922	NAYAGARH	KHANDAPADA	Benagadia	7.52	850	493	330	130.33	66	40.2	46	1	0	159	128	65	0.58
923	NAYAGARH	KHANDAPADA	Gamasalia (Dhipisahi)	7.58	380	204	140	85.25	40	9.77	13	1	0	104	43	28	0.57
924	NAYAGARH	KHANDAPADA	Jhada Gadia	7.88	610	347	175	214.75	54	9.79	54	1	0	262	39	25	1.39
925	NAYAGARH	KHANDAPADA	Kana Singhi	8.08	1150	635	335	325.41	68	40.2	105	7	0	397	92	77	1.4
926	NAYAGARH	KHANDAPADA	Kumbharpara	7.32	1150	708	200	300	28	31.64	138	55	0	366	78	100	0.17

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927	NAYAGARH	NAYAGARH	Andapali	7.56	710	377	220	195.08	46	25.58	52	0.5	0	238	74	18	1.04
928	NAYAGARH	NAYAGARH	Bada-Pandeswar	7.64	890	576	185	159.84	54	12.22	59	90.5	0	195	96	85	0.44
929	NAYAGARH	NAYAGARH	Itamati (Manjuriapali)	7.45	730	409	205	225.41	52	18.3	71	1	0	275	43	51	0.12
930	NAYAGARH	NAYAGARH	Nayagarh 3	7.55	880	486	300	164.75	62	35.33	60	0	0	201	135	43	0.22
931	NAYAGARH	NAYAGARH	Purusottampur	7.96	930	568	210	209.84	46	23.15	95	31.5	0	256	74	125	0.97
932	NAYAGARH	NUAGAON	Mahipur	7.34	600	336	175	200	36	20.71	53	6	0	244	35	35	0.15
933	NAYAGARH	NUAGAON	Nuagaon1	8.2	1830	1081	300	719.67	56	38.97	288	0	0	878	71	85	2.24
934	NAYAGARH	NUAGAON	Sampada	8.02	400	221	160	169.67	36	17.06	14	2	0	207	14	11	0.08
935	NAYAGARH	ODAGAON	Gasisevipur	7.74	530	300	210	180.33	56	17.09	30	0	0	220	39	22	0.49
936	NAYAGARH	ODAGAON	Odagaon	8.15	550	325	195	104.92	42	21.93	35	5.5	0	128	53	28	0.51
937	NAYAGARH	ODAGAON	Sarankul	7.77	700	396	205	204.92	44	23.15	62	10	0	250	64	35	0.13
938	NAYAGARH	RANAPUR	Bherupada	7.92	410	248	110	114.75	28	9.76	42	3.5	0	140	39	37	0.49
939	NAYAGARH	RANAPUR	Darpa-Narayanpur	7.88	240	132	80	59.84	22	6.11	15	5	0	73	25	14	0.33
940	NAYAGARH	RANAPUR	Koilama	8.41	390	210	145	79.75	34	14.63	21	0.5	9	79	53	22	0.79
941	NAYAGARH	RANAPUR	Raj Sunakhala	7.92	570	351	165	80.33	46	12.21	48	9.5	0	98	78	58	0.16
942	NAYAGARH	RANAPUR	Ranpur 1	7.96	520	299	180	130.33	42	18.29	23	18	0	159	43	38	0.07
943	NAYAGARH	RANAPUR	Sanagada	8.11	230	131	95	75.41	18	12.18	11	0.5	0	92	18	14	0.05
944	NUAPADA	KHARIAR	Bargaon-k	8.1	1550	734.28	444	263.93	65	68.52	143	19.5	0	322	267	85	0.299
945	NUAPADA	KHARIAR	Junani	8	1600	774.47	689	248.36	198	47.41	58	1	0	303	300	78	0.23
946	NUAPADA	KHARIAR	Khariar	8.2	1000	525.47	250	248.36	55	27.42	85	43	0	303	125	49	0.551
947	NUAPADA	KHARIAR	Loharapalli	8.5	650	312.1	281	247.7	39	44.66	25	1	6	290	47	13	1.76
948	NUAPADA	KHARIAR	Padampur	8.3	650	302.91	209	154.92	43	24.73	50	1.3	0	189	90	38	0.498
949	NUAPADA	KHARIAR	Ranipur	8.3	550	276.94	179	201.64	55	10.16	42	0.4	0	246	37	20	1.27
950	NUAPADA	KHARIAR	Rishigaon	8.3	400	205.83	168	160.66	47	12.34	16	5.79	0	196	20	12	0.617
951	NUAPADA	KHARIAR	Sanmaheswar	8.2	650	317.76	276	233	63	28.89	25	2.6	0	284	52	17	0.312
952	NUAPADA	KOMANA	Deobahal	8.3	570	338.53	148	243.44	31	17.18	68	7	0	297	22	11	0.625

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953	NUAPADA	KOMANA	Komna1	8.2	1000	525.47	250	248.36	55	27.42	86	43	0	303	125	49	0.551
954	NUAPADA	KOMANA	Kurumpuri	8.2	550	283.16	204	232.79	41	24.73	39	2	0	284	25	9	0.633
955	NUAPADA	KOMANA	Tarbod	8.2	800	389.53	337	243.44	47	53.42	37	3	0	297	100	10	0.374
956	NUAPADA	NUAPADA	Bhajipala	7.9	200	95.68	71	67.21	22	3.92	14	2.5	0	82	12	15	0.206
957	NUAPADA	NUAPADA	Darlimunda	8	250	136.87	87	109.02	29	3.56	11	4.7	0	133	12	1	0.201
958	NUAPADA	NUAPADA	Dharambandah	8.4	750	411.97	230	212.38	84	4.96	37	55	3	253	90	48	0.182
959	NUAPADA	NUAPADA	Godphula	8.2	700	378.35	230	176.23	80	7.3	29	2	0	215	80	17	0.607
960	NUAPADA	NUAPADA	Gotama	8	1000	555.67	337	200	74	37.05	83	45	0	244	180	68	0.385
961	NUAPADA	NUAPADA	Kalyanpur	8.2	650	349.04	255	160.66	4	59.57	28	17	0	196	97	23	0.284
962	NUAPADA	NUAPADA	Nawapara	8.3	800	404.84	362	259.02	67	47.37	26	1	0	316	72	36	0.357
963	NUAPADA	NUAPADA	Patparpali	8	250	149.99	112	103.28	39	3.57	10.5	9.75	0	126	25	2	0.27
964	NUAPADA	NUAPADA	Potora	8.2	90	76.06	50	36.07	20	0	2	1.5	0	44	12	0	0.123
965	NUAPADA	NUAPADA	Sahipala	8.3	350	190.66	148	134.43	47	7.47	16	1.3	0	164	22	9	0.604
966	NUAPADA	NUAPADA	Sirthol	8.1	300	161.11	97	113.93	31	4.78	24	1	0	139	20	8	0.362
967	NUAPADA	NUAPADA	Somarsingh	8.3	450	237.6	173	196.72	55	8.7	29	2	0	240	15	12	1.33
968	NUAPADA	SINAPALI	Ghantiguda	8.3	550	258.22	219	227.87	16	43.54	29	2	0	278	15	14	1.93
969	PURI	ASTARANGA	Astarang	8.3	4450	2277.76	470	208.2	67	73.63	687	32.3	0	254	1267	119	0.431
970	PURI	ASTARANGA	Juinti	8.3	500	318.79	182	140.16	26	28.48	35	29	0	171	89	24	0.063
971	PURI	ASTARANGA	Tikarpara1	8.4	600	300.16	263	160.82	30	45.75	19	8	6	184	101	21	0.077
972	PURI	BRAHMAGIRI	Alipada	8.4	1500	853.39	253	259.92	73	17.23	175	84	3	311	230	102	0.031
973	PURI	BRAHMAGIRI	Brahmagiri	8.3	450	235.86	141	93.44	53	2.13	25	12	0	114	72	15	0.072
974	PURI	BRAHMAGIRI	Budhiabar	8.5	900	445.7	71	280.49	18	6.34	156	9	6	330	84	16	2.21
975	PURI	BRAHMAGIRI	Girala	8.2	450	256.04	126	62.3	28	13.65	23	27.8	0	76	92	21	0.149
976	PURI	BRAHMAGIRI	Gokhara	8.5	1400	752.33	288	269.84	73	25.74	128	79	6	317	270	35	0.234
977	PURI	BRAHMAGIRI	Gola	8.3	1650	794.17	172	109.02	34	21.19	250	17	0	133	379	61	0.123
978	PURI	BRAHMAGIRI	Rebana nuagaon	8.4	900	461.85	258	140.25	36	40.89	63	55	3	165	173	72	0.066

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979	PURI	BRAHMAGIRI	Rendagada	8.4	500	253.54	152	124.67	22	23.61	40	6	3	146	82	11	0.087
980	PURI	CHILIKA LAKE	Satpada	8.3	1050	546.29	150	99.18	56	2.4	167	23	0	121	225	66	0.031
981	PURI	DELANGA	Delang	8.4	840	420.08	232	244.34	65	16.98	59	40	3	292	84	52	0.212
982	PURI	DELANGA	Kalyanpur	8.2	2800	1412.53	763	161.48	146	96.94	296	7	0	197	710	171	0.21
983	PURI	DELANGA	Ramchandrapur	8.3	390	163.65	157	135.25	18	27.25	12	4	0	165	20	33	0.074
984	PURI	GOP	Baleshwarpatna	8.15	680	323.15	182	77.87	57	9.67	66	2.6	0	95	124	66	0.096
985	PURI	GOP	Balighai	8.19	250	220.14	96	119.67	18	12.42	19	6.6	0	146	12	17	0.677
986	PURI	GOP	Gop 1	8.4	680	430.03	30	207.46	10	1.23	136	6	3	247	92	15	0.746
987	PURI	GOP	Mdrang	8.4	1650	971.26	136	311.56	26	17.29	356	7	3	374	369	41	0.29
988	PURI	GOP	Mahapur	8.3	420	251.6	101	114.75	20	12.42	31	31	0	140	69	10	0.049
989	PURI	GOP	Ramchandi	8.3	250	218.29	110	99.18	40	2.4	14	1	0	121	25	1.8	0.02
990	PURI	KAKAT PUR	Jagannathpur	8.3	270	159.17	106	109.02	28	8.79	19	3	0	133	20	11	0.136
991	PURI	KAKAT PUR	Jogeswarpur	8.2	225	146.98	76	83.61	28	1.49	16	11	0	102	17	15	0.134
992	PURI	KAKAT PUR	Kakatpur	8.4	625	504.34	177	223.03	36	21.2	45	46	3	266	52	28	0.094
993	PURI	KAKAT PUR	Konark 1	8.2	190	132.87	51	51.64	12	5.12	17	7	0	63	20	11	0.03
994	PURI	KANAS	Kanas	8.6	1200	669.63	182	332.21	36	22.41	144	112	9	387	146	61	0.043
995	PURI	NIMAPADA	Balanga	8.4	500	326.41	157	176.31	38	15.12	53	7	3	209	42	27	0.345
996	PURI	NIMAPADA	Bisimatri	8.5	650	378.24	298	285.41	85	20.89	25.6	14	6	336	47	27	0.059
997	PURI	NIMAPADA	Charichhak	8	130	122.87	45	51.64	18	0.02	9	1	0	63	7	3	0.515
998	PURI	NIMAPADA	Garapada	8.4	470	258.78	116	186.97	22	14.86	53	1	3	222	35	9	0.348
999	PURI	NIMAPADA	Haripur	8.5	640	311.53	187	171.48	53	13.32	55	6	6	197	79	28	0.145
1000	PURI	NIMAPADA	Nimapara 2	8.4	480	292.91	71	135.33	14	8.77	76	7	3	159	67	5.3	0.515
1001	PURI	PIPIL	Dandamukundpur	8.4	1400	784.24	323	395.16	53	46.38	105	134	3	476	158	57	0.128
1002	PURI	PIPIL	Harirajpur	8.2	170	104.93	35	46.72	12	1.23	25	1	0	57	27	3	0.955
1003	PURI	PIPIL	Mangalpur	8.3	430	301.16	187	150.82	47	16.95	25	1	0	184	52	20	0.137
1004	PURI	PIPIL	Maunimatha	8.5	700	358.76	116	218.2	40	3.94	88	37	6	254	54	69	0.035

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1005	PURI	PIPIL	Pipli	8.4	700	439.1	146	160.74	36	13.66	60	54	3	190	109	33	0.136
1006	PURI	SADAR	Baliguari	8.28	1050	582.85	253	197.54	57	26.94	124	21.76	0	241	173	81	0.094
1007	PURI	SADAR	Chandanpur	8.4	330	187.22	121	150.9	32	10.01	20	10	3	178	22	5	0.136
1008	PURI	SADAR	P-01 Krupa Sindura Patna	8.4	2650	1222	505	332.87	98	63.33	230	71	3	400	478	80	0.314
1009	PURI	SADAR	P-03 Police Lane	8.4	1950	948.07	347	286.15	74	39.48	190	97	3	343	359	84	0.144
1010	PURI	SADAR	P-06 Chhapana Chhak	8.5	950	523.64	245	285.41	61	22.56	77	39	6	336	106	18	0.122
1011	PURI	SADAR	P-07 Gauda Bada Sahi	8.5	1200	503.39	260	259.92	22	49.87	83	41	3	311	109	48	0.022
1012	PURI	SADAR	P-11 Sadar Block Colony	8.6	1150	583.38	378	306.72	80	43.37	65	21	6	362	131	44	0.08
1013	PURI	SADAR	P-12 ITI Chhak	8.6	2550	1092.61	357	82.95	84	35.84	280	20	6	89	616	60	0.066
1014	PURI	SADAR	P-16 Narendra Kona	8.3	980	878.39	87	254.92	16	11.45	144	21	0	311	124	8	0.128
1015	PURI	SADAR	P-19 Kashi Jagannathpur	8.6	4250	1818.85	367	145.25	74	44.34	665	48	6	165	878	410	0.163
1016	PURI	SADAR	P-21 Sriram Talkies Chhak	8.4	450	303.22	199	150.9	27	32	29	11	3	178	62	23	0.302
1017	PURI	SADAR	P-24 Balagandi	8.5	1300	616.7	250	280.49	61	23.78	93	52	6	330	136	52	0.036
1018	PURI	SADAR	P-30 Jagannath Temple	8.4	1150	646.95	301	295.98	67	32.54	77	66	3	355	146	52	0.005
1019	PURI	SADAR	P-32 Gobardhan Matha	8.4	3700	1733.84	653	182.05	141	73.23	426	33	3	216	906	84	0.015
1020	PURI	SADAR	P-33 Sorbodaya Nagar	8.5	1300	631.46	347	218.2	59	48.58	92	22	6	254	230	47	0.1
1021	PURI	SADAR	P-34 Sidha Mahavir	8.4	1300	598.45	311	255	70	33.15	89	31	3	305	163	51	0.058
1022	PURI	SADAR	P-35 Indira Mark Colony	8.5	1350	675.76	403	275.57	67	57.34	85	33	6	324	220	60	0.043
1023	PURI	SADAR	P-36 Kumbharapada	8.6	1100	526.39	265	264.92	57	29.85	67	46	6	311	116	50	0.018
1024	PURI	SADAR	P-38 Gosala	8.5	1100	535.69	281	322.3	27	51.94	78	24	6	381	114	8	0.141
1025	PURI	SADAR	P-41 Grand Road	7.6	1500	687.08	347	239.34	92	28.56	90	62	0	292	230	49	0.019
1026	PURI	SADAR	P-45 Balipur	8.4	2650	1463.65	250	238.61	41	35.91	437	110	3	285	688	82	0.388
1027	PURI	SADAR	P-46 Behrasahi	8.5	1080	485.76	245	275.57	18	48.65	81	23	6	324	116	10	0.169

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1028	PURI	SADAR	P-49 Dola Mandap Sahi	8.3	2050	1029.24	536	390.16	33	110.3	165	99	0	476	339	156	0.031
1029	PURI	SADAR	Puri town	8.6	1090	605.33	278	274.84	99	7.54	87	54	9	317	161	51	0.014
1030	PURI	SADAR	Sakhigopal	8.7	4000	2318.73	298	492.95	20	60.32	829	39	12	577	940	172	0.805
1031	PURI	SADAR	Totasahi	8.4	550	471.1	192	160.74	22	33.34	38	23	3	190	99	1	0.162
1032	PURI	SATYABADI	Algum	8.1	2800	1575.88	409	233.61	59	63.65	432	15.23	0	285	765	115	0.248
1033	PURI	SATYABADI	Biragobind	8.4	1650	794.94	258	207.46	36	40.89	200	18.91	3	247	349	62	0.422
1034	PURI	SATYABADI	Nuasomeswarpur	8.5	1000	572.4	152	223.11	43	10.87	86	115	6	260	151	39	0.096
1035	PURI	SATYABADI	Sadanandapur	8.6	500	503.76	157	285.57	22	24.83	75	13	12	324	27	6	0.874
1036	PURI	SATYABADI	Sakhigopal 3	8.6	1600	814.93	263	389.59	22	50.6	200	51	9	457	193	136	0.267
1037	PURI	SATYABADI	Uansdiha	8.7	3200	1639.79	409	494.7	30	81.24	530	36	16	571	668	65	0.944
1038	RAYAGADA	GUNUPUR	Dambasara	8.6	900	485.65	296	248.61	61	34.96	75	37	9	285	126	60	0.24
1039	RAYAGADA	GUNUPUR	Gunupur1	8.3	275	149.91	117	130.33	20	16.31	16	2	0	159	15	3	0.264
1040	RAYAGADA	KASHIPUR	Gorakhpur	8.5	60	78.31	31	25.57	8	2.68	3	1	6	19	5	4	0.053
1041	RAYAGADA	KASHIPUR	Kaliapada	8.2	240	119.61	77	72.95	18	7.8	17	3	0	89	27	3	0.284
1042	RAYAGADA	KASHIPUR	Kashipur	8.3	750	410.45	276	250	41	42.23	30	29	0	305	77	4	0.15
1043	RAYAGADA	KOLNARA	Minajhola	8.5	350	177.79	133	150.16	37	9.89	19	2	6	171	12	6	0.168
1044	RAYAGADA	KOLNARA	Mukundpur	8.6	400	201.48	133	139.59	37	9.89	26	4	9	152	37	8	0.133
1045	RAYAGADA	KOLNARA	Therabali	8.5	450	216.17	107	124.02	16	16.31	49	1	9	133	59	11	0.146
1046	RAYAGADA	MUNIGUDA	Ambadola	8.2	220	119.24	71	62.3	25	2.1	9	11	0	76	22	7	0.063
1047	RAYAGADA	PADMAPUR	Akhusingi	8.6	1250	559.07	184	296.15	16	35.03	83	113	9	343	129	36	0.2
1048	RAYAGADA	PADMAPUR	Kenduguda	8.4	1050	523.72	286	191.89	57	34.96	100	3	3	228	208	43	0.398
1049	RAYAGADA	PADMAPUR	Narainpur	8.4	250	201.92	102	93.52	29	7.21	10	6	3	108	20	4	0.074
1050	RAYAGADA	PADMAPUR	Nua Dakasikula	8.4	1300	702.63	128	322.21	31	12.32	164	109	3	387	166	74	0.523
1051	RAYAGADA	PADMAPUR	Padampur2	8.4	520	263.6	128	119.75	33	11.1	58	2	3	140	79	28	0.144
1052	RAYAGADA	RAMANGUDA	Bangi Chowk	8.6	390	211.22	158	160.9	35	17.18	24	1	9	178	25	13	0.25
1053	RAYAGADA	RAMANGUDA	Chakunda	8.6	500	291.79	163	155.16	25	24.47	37	1	9	171	52	13	0.263

SI No	DISTRICT	BLOCK	SITE	PH	EC	TDS	TH	TA	CA	MG	NA	K	CO3	HCO ₃	CL ⁻	SO ₄ ⁻	F
					μ S/cm at 25°C	mg/L	mg/L as CaCO ₃		mg/L								
1054	RAYAGADA	RAMANGUDA	Gumda	8.6	800	403.09	245	212.54	72	15.89	47	40	9	241	89	44	0.223
1055	RAYAGADA	RAMANGUDA	Kodapadu	8.6	400	194.16	173	165.82	41	17.19	12	4	9	184	15	7	0.149
1056	RAYAGADA	RAMANGUDA	Ramnaguda2	8.5	430	216.1	128	165.74	33	11.1	34	4	6	190	20	9	0.255
1057	RAYAGADA	RAMANGUDA	Tandikana	8.4	280	145.17	107	114.02	33	6	13	2	3	133	12	5	0.131
1058	RAYAGADA	RAYAGADA	Gumma	8	300	149.6	107	114.75	35	4.78	17	4	0	140	17	12	0.296
1059	RAYAGADA	RAYAGADA	Shirikona	8.4	500	163.6	107	119.75	37	3.57	25	1	3	140	20	15	0.164
1060	SAMBALPUR	BAMRA	Bamra	7.75	1540	791	579	168.03	157	45.53	104	6	0	205	272	106	0.23
1061	SAMBALPUR	BAMRA	Kesaibahal	7.96	550	281	198	109.02	52	16.6	34	3.6	0	133	87	23	0.27
1062	SAMBALPUR	DHANKAUDA	Babubandha	7.89	320	183	124	143.44	30	11.95	14	22	0	175	10	8.9	0.24
1063	SAMBALPUR	DHANKAUDA	Bajjamunda	7.65	1280	636	376	198.36	48	62.3	110	1.7	0	242	221	74.7	1.05
1064	SAMBALPUR	DHANKAUDA	Christianpara	7.95	550	256	203	198.36	42	23.88	25	13	0	242	24	9.8	0.13
1065	SAMBALPUR	DHANKAUDA	Dhanakauda	8.01	490	309	178	182.79	42	17.8	56	2.2	0	223	32	49.4	0.61
1066	SAMBALPUR	DHANKAUDA	Golgunda	7.86	550	325	218	163.11	52	21.46	48	1.3	0	199	73	31.9	0.22
1067	SAMBALPUR	DHANKAUDA	Gunchamal	7.86	540	276	168	187.7	36	19.01	43	8.8	0	229	29	28.3	0.1
1068	SAMBALPUR	DHANKAUDA	Hirakud	8.22	470	307	223	198.36	56	20.25	38	0.8	0	242	41	32.4	0.21
1069	SAMBALPUR	DHANKAUDA	Jamadarpli	8.1	390	232	188	203.28	50	15.38	18	1.2	0	248	7	19.2	0.75
1070	SAMBALPUR	DHANKAUDA	Jugipali	7.86	600	325	149	133.61	38	13.18	70	3.1	0	163	70	50.7	0.99
1071	SAMBALPUR	DHANKAUDA	Pitapali	7.62	330	225	134	113.93	28	15.59	38	4.3	0	139	44	27	0.13
1072	SAMBALPUR	DHANKAUDA	Rengali	7.72	340	201	168	163.11	42	15.37	14	4	0	199	22	5.8	0.4
1073	SAMBALPUR	DHANKAUDA	Sason1	8.17	330	202	144	138.52	42	9.53	20	4.4	0	169	24	19	0.32
1074	SAMBALPUR	JAMANKIRA	Badarama	7.92	700	372	257	177.87	60	26.09	51	2.3	0	217	92	34	0.27
1075	SAMBALPUR	JAMANKIRA	Jamankira 1	7.52	350	193	109	94.26	30	8.3	31	2.7	0	115	44	21	0.42
1076	SAMBALPUR	JAMANKIRA	Kadalipali	7.99	720	382	292	277.05	56	37.02	43	4.7	0	338	61	15	0.49
1077	SAMBALPUR	JAMANKIRA	Kansabahal Sahi	7.61	210	128	109	104.1	28	9.52	9	0.4	0	127	12	7	0.25
1078	SAMBALPUR	JAMANKIRA	Kuagola	7.4	270	154	124	99.18	20	18.02	10	4.2	0	121	36	7	0.21
1079	SAMBALPUR	JAMANKIRA	Subarna Pali	7.88	430	254	173	177.87	54	9.3	30	3.5	0	217	34	17	0.49

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					μ S/cm at 25°C	mg/L	mg/L as CaCO ₃		mg/L								
1080	SAMBALPUR	JUJOMURA	Badsahir	7.52	1830	836	733	296.72	77	131.5 1	80	8.3	0	362	304	58	0.54
1081	SAMBALPUR	JUJOMURA	Bhabanipali	7.5	820	435	361	252.46	28	70.71	38	2.2	0	308	73	72	0.97
1082	SAMBALPUR	JUJOMURA	Gargabahal	7.73	310	187	144	153.28	28	18.03	17	4.9	0	187	24	3	0.27
1083	SAMBALPUR	JUJOMURA	Hathibari	7.88	570	331	193	227.87	34	26.3	57	3.4	0	278	44	30	0.72
1084	SAMBALPUR	JUJOMURA	Jayantpur	7.73	440	222	173	123.77	40	17.8	22	1.2	0	151	63	4	0.34
1085	SAMBALPUR	JUJOMURA	Jhargulanda	7.9	540	288	213	257.38	40	27.52	35	3	0	314	22	7	1.5
1086	SAMBALPUR	JUJOMURA	Jujhumura	7.81	430	263	233	213.11	54	23.89	20	2.3	0	260	29	6	0.48
1087	SAMBALPUR	JUJOMURA	Koakud	7.77	230	131	109	113.93	32	7.09	10	2.3	0	139	10	2	0.38
1088	SAMBALPUR	JUJOMURA	Nildungri	7.84	520	277	248	267.21	40	36.03	23	2.8	0	326	12	3	0.4
1089	SAMBALPUR	JUJOMURA	Padiabahal	7.79	1150	642	267	470.49	36	43.08	155	3.4	0	574	92	31	1.68
1090	SAMBALPUR	KOCHINDA	Boxma	7.79	950	475	342	172.95	81	34.02	64	5.8	0	211	136	51	0.36
1091	SAMBALPUR	KOCHINDA	Kuchinda	7.85	360	200	153	163.11	52	5.66	11	6.2	0	199	22	6	0.35
1092	SAMBALPUR	KOCHINDA	Kusumi	7.79	1280	613	396	143.44	133	15.6	85	4.4	0	175	206	83	0.24
1093	SAMBALPUR	KOCHINDA	Loiraguna	8.12	450	272	262	247.54	50	33.37	13	2.8	0	302	19	6	0.32
1094	SAMBALPUR	KOCHINDA	Nagadihi Chawk	7.52	120	96	69	69.67	24	2.22	10	1.2	0	85	15	2	0.49
1095	SAMBALPUR	KOCHINDA	Telitilamal	7.53	620	320	262	163.11	67	23.06	27	3.3	0	199	61	41	0.53
1096	SAMBALPUR	MANESWAR	Baduapali	7.95	280	167	139	128.69	36	11.96	13	2	0	157	12	14.9	0.34
1097	SAMBALPUR	MANESWAR	Baragaon	7.83	430	242	203	218.03	71	6.29	11	6.7	0	266	12	4.7	0.32
1098	SAMBALPUR	MANESWAR	Batemura	7.98	450	248	203	182.79	48	20.24	25	3.2	0	223	32	10.5	0.36
1099	SAMBALPUR	MANESWAR	Bausenmura	7.85	1560	801	455	327.05	123	36.01	103	64.2	0	399	192	87.5	0.22
1100	SAMBALPUR	MANESWAR	Bhoipali	8.17	690	421	213	336.89	42	26.31	91	2	0	411	32	26	1.6
1101	SAMBALPUR	MANESWAR	Chhachanpali	7.85	570	276	173	172.95	44	15.37	45	1.2	0	211	53	13.7	0.27
1102	SAMBALPUR	MANESWAR	Chiplima	7.87	270	147	134	113.93	40	8.32	5	1	0	139	12	12.7	0.13
1103	SAMBALPUR	MANESWAR	Dandeipalli	8.06	380	200	104	128.69	36	3.45	31	9.4	0	157	22	21	0.55
1104	SAMBALPUR	MANESWAR	Deogaon	7.88	290	166	134	123.77	36	10.74	15	1.3	0	151	19	9.9	0.17
1105	SAMBALPUR	MANESWAR	Dhama	7.79	610	331	233	252.46	48	27.53	45	2.4	0	308	22	35.2	0.22

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1106	SAMBALPUR	MANESWAR	Gainpura	7.99	940	484	401	286.89	75	52	36	17	0	350	104	29.1	0.21
1107	SAMBALPUR	MANESWAR	Gosala	7.62	1480	735	455	182.79	77	63.92	87	9.6	0	223	231	157	0.23
1108	SAMBALPUR	MANESWAR	Gunderpur	7.77	780	448	272	198.36	81	17	63	2.6	0	242	100	66.4	0.64
1109	SAMBALPUR	MANESWAR	Gutanpada	8.18	680	388	292	247.54	97	12.15	34	8.3	0	302	56	32.8	0.25
1110	SAMBALPUR	MANESWAR	Hotapala	8.3	700	422	248	410.66	46	32.39	80	0.7	0	501	12	5.2	1.25
1111	SAMBALPUR	MANESWAR	Jhankarbahali	7.89	600	362	257	262.3	62	24.87	52	1.6	0	320	34	30.8	1.2
1112	SAMBALPUR	MANESWAR	Khunti	7.88	570	288	238	172.95	56	23.89	21	2	0	211	70	11.5	0.22
1113	SAMBALPUR	MANESWAR	Larasara	8.07	550	250	223	208.2	75	8.72	10	5.4	0	254	24	3	0.21
1114	SAMBALPUR	MANESWAR	Maltisubanpur	7.85	230	133	99	84.43	30	5.87	13	2	0	103	19	12.8	0.29
1115	SAMBALPUR	MANESWAR	Naxapali	7.7	1640	780	604	203.28	60	110.45	104	4.5	0	248	248	132	0.74
1116	SAMBALPUR	MANESWAR	Parmanpur	7.97	650	377	173	346.72	32	22.65	96	5	0	423	12	2	0.99
1117	SAMBALPUR	MANESWAR	Remerha	7.85	400	218	139	182.79	46	5.89	27	3.4	0	223	17	9.6	0.46
1118	SAMBALPUR	MANESWAR	Rupapali	7.95	710	387	188	187.7	63	7.49	72	2.7	0	229	114	16	0.61
1119	SAMBALPUR	MANESWAR	Sahaspur	7.85	2390	1321	599	356.56	105	81.94	306	5.6	0	435	500	109	1.3
1120	SAMBALPUR	MANESWAR	Sambalpur	8.07	810	471	312	277.05	95	18.23	47	40.8	0	338	61	43	0.2
1121	SAMBALPUR	NAKTIDEUL	Chandrapura	7.86	700	358	307	227.87	48	45.52	28	4.8	0	278	75	21	0.27
1122	SAMBALPUR	NAKTIDEUL	Daincha	7.95	520	253	218	213.11	58	17.82	10	2.7	0	260	17	20	0.33
1123	SAMBALPUR	NAKTIDEUL	Majhipal	7.23	160	77	64	54.1	12	8.28	3	5	0	66	12	4	0.18
1124	SAMBALPUR	NAKTIDEUL	Naktideol	7.38	1240	581	401	237.7	48	68.38	71	2.1	0	290	192	58	0.33
1125	SAMBALPUR	NAKTIDEUL	Simlipal Chawk	7.71	200	112	64	74.59	26	0	11	11	0	91	15	5	0.17
1126	SAMBALPUR	NAKTIDEUL	Terebera	7.72	500	266	228	252.46	40	31.17	23	0.8	0	308	17	3	0.8
1127	SAMBALPUR	RAIRAKHOL	Bhaluchuan	7.74	790	434	342	351.64	30	64.95	53	5.5	0	429	39	31	1.34
1128	SAMBALPUR	RAIRAKHOL	Charmal	7.77	350	183	153	168.03	40	12.93	15	2.1	0	205	12	1	0.46
1129	SAMBALPUR	RAIRAKHOL	Luhapank	7.39	250	153	119	99.18	26	13.16	8	8.8	0	121	17	21	0.22
1130	SAMBALPUR	RAIRAKHOL	Mochibahal	7.57	520	303	248	218.03	30	42.1	26	3.1	0	266	46	26	0.24
1131	SAMBALPUR	RAIRAKHOL	Rairakhol(rampu	7.29	1490	681	530		44	102.1	71	12.3					

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					μ S/cm at 25°C	mg/L	mg/L as CaCO ₃		mg/L									
										7								
1132	SAMBALPUR	RENGALI	Barodungri (Orampara)	7.92	640	306	238	123.77	56	23.89	31	2.5	0	151	80	39	0.44	
1133	SONAPUR	BINIKA	Ankhidadar	7.8	2150	1044	475	321.31	65	76.06	239	17	0	392	347	107	2.49	
1134	SONAPUR	BINIKA	Antarda	8.61	1085	563	389	290.57	67	53.94	48	44	15	324	132	45	0.24	
1135	SONAPUR	BINIKA	Bagdiha	8.39	1070	576	399	198.69	79	49.09	44	47	12	218	213	25	0.17	
1136	SONAPUR	BINIKA	Bausuni	8.39	1050	512	389	224.02	63	56.36	50	4	9	255	157	47	0.55	
1137	SONAPUR	BINIKA	Bishalpali	8.65	425	234	202	188.77	45	21.81	20	3	9	212	27	4	0.24	
1138	SONAPUR	BINIKA	Karttanga	8.13	280	139	126	86.89	28	13.65	4	1	0	106	27	13	0.47	
1139	SONAPUR	BINIKA	Mahadevpali	8.46	535	272	242	168.28	59	23.05	6	1	9	187	51	31	0.16	
1140	SONAPUR	BINIKA	Rampur	8.47	780	345	313	214.1	57	41.52	10	1	6	249	88	20	0.28	
1141	SONAPUR	BINIKA	Sakama	8.01	1315	620	394	188.52	61	58.79	54	34	0	230	232	68	0.43	
1142	SONAPUR	BINIKA	Saledi	8.4	1290	553	369	127.3	49	59.99	49	37	9	137	223	59	0.08	
1143	SONAPUR	BINIKA	Sankara1	8.5	590	273	232	142.87	53	24.26	9	1	9	156	68	33	0.16	
1144	SONAPUR	BINIKA	Sansamura	8.3	520	261	212	137.7	61	14.54	9	1	0	168	61	31	0.41	
1145	SONAPUR	BINIKA	Sarangapali	8.28	280	169	141	112.3	34	13.66	3	7	0	137	27	17	0.17	
1146	SONAPUR	BINIKA	Singhijuba	8.25	250	132	106	81.97	26	10	7	1	0	100	22	17	0.15	
1147	SONAPUR	BIRAMAHAJAPUR	Biramaharajpur	8.01	1300	564	485	168.03	123	43.31	32	4	0	205	230	32	0.32	
1148	SONAPUR	BIRAMAHAJAPUR	Gariamunda	7.98	1150	563	460	137.7	101	50.57	23	1	0	168	223	82	0.21	
1149	SONAPUR	BIRAMAHAJAPUR	Jatesingha	7.9	1230	588	495	199.18	73	76.07	20	8	0	243	210	84	0.09	
1150	SONAPUR	BIRAMAHAJAPUR	Subalaya	8.28	540	261	237	209.02	43	31.54	10	0	0	255	34	17	0.49	
1151	SONAPUR	BIRAMAHAJAPUR	Tebhapadar	7.97	1925	835	687	153.28	123	92.42	32	2	0	187	396	99	0.18	
1152	SONAPUR	DUNGURIPALI	Baghahandi	8.04	1510	704	439	229.51	63	68.52	102	13	0	280	220	100	0.59	
1153	SONAPUR	DUNGURIPALI	Bhimtikra	8.26	370	197	157	142.62	43	12.09	13	11	0	174	24	8	0.3	
1154	SONAPUR	DUNGURIPALI	Chandajhuri	8.43	670	336	207	188.03	59	14.54	40	3	12	205	76	29	1.52	
1155	SONAPUR	DUNGURIPALI	Charuapali	8.17	810	390	288	219.67	61	33.02	34	1	0	268	100	29	0.24	
1156	SONAPUR	DUNGURIPALI	Dungripalli	8.4	515	246	202	168.28	28	32.13	18	2	9	187	42	23	0.6	

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1157	SONAPUR	DUNGURIPALI	Gajabandhu	8.23	290	154	136	107.38	40	8.8	4	1	0	131	27	9	0.11
1158	SONAPUR	DUNGURIPALI	Gambharipalli	8.12	760	367	298	183.61	63	34.24	16	6	0	224	103	35	0.09
1159	SONAPUR	DUNGURIPALI	Ichhapur1	8.45	850	411	328	188.77	63	41.53	24	1	9	212	117	52	0.25
1160	SONAPUR	DUNGURIPALI	Karlajuri	7.97	1510	678	369	45.9	61	52.71	83	49	0	56	301	104	0.33
1161	SONAPUR	DUNGURIPALI	Samalaichuan	8.21	700	296	253	153.28	55	28.15	11	1	0	187	68	41	0.36
1162	SONAPUR	DUNGURIPALI	Sarasmal	8.42	780	376	263	219.1	43	37.86	40	2	9	249	88	33	0.78
1163	SONAPUR	SONEPUR	Arjunpur	7.92	680	339	288	168.03	47	41.51	27	2	0	205	86	35	0.98
1164	SONAPUR	SONEPUR	Bagduli	8.3	1850	869	677	153.28	128	86.95	43	5	0	187	438	76	0.33
1165	SONAPUR	SONEPUR	Baladi	8.41	400	199	152	96.89	45	9.66	13	0	6	106	64	9	0.22
1166	SONAPUR	SONEPUR	Borumunda	8.3	495	248	217	213.93	55	19.4	10	5	0	261	27	3	0.64
1167	SONAPUR	SONEPUR	Dhurakhman	8.14	640	291	283	193.44	51	37.87	6	1	0	236	51	28	0.53
1168	SONAPUR	SONEPUR	Khaliapali	8.48	1245	527	449	198.61	57	74.59	38	1	9	224	171	67	0.39
1169	SONAPUR	SONEPUR	Nandanamal	8.12	1675	778	616	250	63	111.5	49	1	0	305	328	76	0.82
1170	SONAPUR	TARBHA	Palsapadar	8.39	1155	543	424	270	59	67.3	32	2	12	305	117	103	0.44
1171	SONAPUR	TARBHA	Sargaj	8.58	1150	506	333	285.49	59	45.17	56	3	9	330	93	79	1.11
1172	SONAPUR	ULUNDA	Binika	8.3	685	359	323	290.98	49	48.81	14	14	0	355	51	7	0.22
1173	SONAPUR	ULUNDA	Danipali	8.25	940	468	227	265.57	43	29.11	75	20	0	324	88	55	0.4
1174	SONAPUR	ULUNDA	Kotasamalai	8.51	365	192	172	162.62	55	8.45	6	1	12	174	15	9	0.14
1175	SONAPUR	ULUNDA	Mahada	8.13	610	284	247	168.03	49	30.33	9	3	0	205	64	28	0.27
1176	SONAPUR	ULUNDA	Metakani	8.16	800	382	328	219.67	40	55.48	15	3	0	268	81	57	0.23
1177	SONAPUR	ULUNDA	Naikpada	8.35	475	233	212	147.7	47	23.03	5	0	6	168	49	21	0.18
1178	SONAPUR	ULUNDA	Phulmuthi	7.94	2230	1069	621	183.61	111	83.65	106	62	0	224	482	115	0.19
1179	SONAPUR	ULUNDA	Sindol	7.94	280	154	111	50.82	36	5.15	12	2	0	62	49	20	0.08
1180	SONAPUR	ULUNDA	Sonepur	8.14	755	370	283	204.1	34	48.18	32	0	0	249	81	53	0.56
1181	SONAPUR	ULUNDA	Ulunda	8.11	930	373	328	265.57	43	53.66	19	3	0	324	95	1	0.14
1182	SUNDARGARH	BALISANKARA	Kinjrikela	8	1150	462.92	337	170.49	55	48.57	63	3	0	208	192	0	0.363

SI No	DISTRICT	BLOCK	SITE	PH	EC	TDS	TH	TA	CA	MG	NA	K	CO3	HCO ₃	CL ⁻	SO ₄ ⁻	F
					μ S/cm at 25°C	mg/L	mg/L as CaCO ₃		mg/L								
1183	SUNDARGARH	BALISANKARA	Talsara	8.3	400	189.23	153	145.08	39	13.54	20	3	0	177	25	15	0.427
1184	SUNDARGARH	BARAGAON	Bargaon	8.1	150	74.31	51	56.56	16	2.69	9.5	1	0	69	10	3	0.245
1185	SUNDARGARH	BARAGAON	Bringatoli	8.1	350	154.86	158	134.43	35	17.18	4	3	0	164	15	3	0.399
1186	SUNDARGARH	BARAGAON	Deokaranpur	8	330	173.3	112	98.36	25	12.07	25	1.5	0	120	50	2.5	0.184
1187	SUNDARGARH	BARAGAON	Ekma	8.1	235	112.71	92	82.79	12	15.09	12	1.22	0	101	20	3	0.399
1188	SUNDARGARH	BARAGAON	Panderpali	7.9	250	125.36	87	93.44	12	13.87	19	2	0	114	22	1	0.116
1189	SUNDARGARH	BARAGAON	Shahajbahal	8.2	400	212.67	158	129.51	35	17.18	24	1.25	0	158	55	2	0.618
1190	SUNDARGARH	BISRA	Bondamunda	8.2	350	201.92	158	170.49	39	14.76	15	2	0	208	10	5	0.851
1191	SUNDARGARH	BISRA	R-01 Jalda C-Block	8.1	800	377.41	301	310.66	47	44.67	43	4.7	0	379	40	21	0.71
1192	SUNDARGARH	BISRA	R-02 Jalda Rangila Chhak	8.3	1100	547.28	260	304.92	35	41.98	130	8	0	372	130	26	0.242
1193	SUNDARGARH	BISRA	R-06 Basanti Colony	8.4	1950	1006.6	224	693.52	20	42.33	348	1	3	840	167	24	0.177
1194	SUNDARGARH	BISRA	R-09 Power House Road	8.1	550	269.98	189	165.57	39	22.29	33	5	0	202	62	19	0.161
1195	SUNDARGARH	BISRA	R-10 Raghunathpalli	7.7	800	379.1	291	237.7	53	38.6	44	11	0	290	87	16	0.088
1196	SUNDARGARH	BISRA	R-11 Hanuman Batika	8.1	450	232.29	168	181.15	43	14.76	26	5	0	221	30	9	0.39
1197	SUNDARGARH	BISRA	R-12 Gangadharpally	8.2	800	431.78	250	263.93	43	34.7	64	12	0	322	95	15	2.13
1198	SUNDARGARH	BISRA	R-13 Chhend	8.1	300	155.85	138	139.34	41	8.68	8	0.55	0	170	12	4	0.307
1199	SUNDARGARH	BISRA	R-14 Banposh (Urban)	8.1	450	235.55	184	176.23	41	19.87	20	1.2	0	215	35	2	0.556
1200	SUNDARGARH	BISRA	R-18 Koel Nagar	8	500	207.23	153	145.08	37	14.75	27	2.5	0	177	30	16	0.306
1201	SUNDARGARH	BISRA	R-20 Jhirpani	8.2	500	291.42	102	129.51	18	13.88	75	2	0	158	90	4	0.14
1202	SUNDARGARH	BISRA	R-23 Sector-3	8.1	400	212.48	122	124.59	27	13.28	35	7	0	152	52	10	0.162
1203	SUNDARGARH	BISRA	R-23 Sector-3	8.1	450	208.67	153	150	35	15.97	28	5	0	183	30	16	0.255
1204	SUNDARGARH	BISRA	R-26 Sector-6	7.9	300	159.8	102	98.36	20	12.67	24	2	0	120	35	7	0.117
1205	SUNDARGARH	BISRA	R-27 Sector-7	8	350	167.48	128	124.59	14	22.63	19	4.5	0	152	27	8	0.151
1206	SUNDARGARH	BISRA	R-28 Sector-8	7.9	300	155.86	97	93.44	29	5.99	24	1	0	114	37	6.5	0.142

SI No	DISTRICT	BLOCK	SITE	PH	EC	TDS	TH	TA	CA	MG	NA	K	CO3	HCO ₃	CL ⁻	SO ₄ ⁻	F
					μ S/cm at 25°C	mg/L	mg/L as CaCO ₃		mg/L								
1207	SUNDARGARH	BISRA	R-29 Sector-9	8.2	600	304.54	219	201.64	55	19.88	37	5	0	246	62	3	0.08
1208	SUNDARGARH	BISRA	R-30 Sector-13	8.2	250	130.36	92	93.44	18	11.45	19	3	0	114	22	6	0.238
1209	SUNDARGARH	BISRA	R-31 Sector-14	7.9	150	85.31	66	56.56	14	7.55	6	3.5	0	69	15	1.5	0.08
1210	SUNDARGARH	BISRA	R-32 Sector-20	8.1	300	173.8	97	98.36	25	8.42	23	5	0	120	37	9	0.103
1211	SUNDARGARH	BISRA	R-33 Sector 18	8.1	350	191.48	128	124.59	22	17.78	24	5	0	152	32	12	0.077
1212	SUNDARGARH	BISRA	R-34 Sector-17	8.1	200	121.99	46	41.8	14	2.69	26	4	0	51	35	9	0.462
1213	SUNDARGARH	BISRA	R-35 Sector-16	8.3	650	324.15	291	274.59	86	18.58	12	13	0	335	22	6	0.265
1214	SUNDARGARH	BISRA	R-36 Sector-15	8.2	350	184.73	148	145.08	27	19.6	16	2	0	177	22	5	0.308
1215	SUNDARGARH	BISRA	Uditnagar(rkl)	8	500	259.29	168	181.15	47	12.34	38	5	0	221	40	20	0.356
1216	SUNDARGARH	BISRA	Uditnagar(rkl)	8.1	500	186	179	227.05	37	21.08	31	7	0	227	37	14	0.312
1217	SUNDARGARH	BISRA	Vedavyas Chak	8	600	309.8	230	139.34	49	26.2	29	2.5	0	170	100	7	0.136
1218	SUNDARGARH	HEMGIR	Himgiri	8	300	171.41	133	113.93	37	9.89	9	3.3	0	139	25	3	
1219	SUNDARGARH	KUANRMUNDA	Kuarmunda	7.6	1250	629.71	449	310.66	72	65.49	82	5	0	379	202	37	0.25
1220	SUNDARGARH	KUANRMUNDA	Kumajharia	8	500	262.42	168	170.49	35	19.61	32	2.5	0	208	32	19	0.453
1221	SUNDARGARH	KUTRA	Kutra	8.1	200	133.46	102	93.44	31	5.99	3.3	2.3	0	114	12	0.5	0.126
1222	SUNDARGARH	LAHUNIPARA	Darjin	8.3	350	181.34	143	160.66	47	6.26	15	3.3	0	196	12	2	0.282
1223	SUNDARGARH	LATHIKATA	Banki	8.1	600	304.55	235	176.23	65	17.71	27	2.2	0	215	80	6	0.727
1224	SUNDARGARH	LATHIKATA	Chandiposh	8.2	550	272.54	224	201.64	45	27.16	28	3	0	246	47	8	0.253
1225	SUNDARGARH	LATHIKATA	Lathikata	8.1	500	259.23	199	186.07	65	8.95	12	19	0	227	37	13	1.18
1226	SUNDARGARH	LEPHRIPARA	Lefripada	8.1	350	177.54	158	160.66	33	18.4	9	3.5	0	196	12	1.2	0.368
1227	SUNDARGARH	LEPHRIPARA	Surguda	8.1	400	206.11	163	154.92	41	14.76	13	5.5	0	189	20	6	0.204
1228	SUNDARGARH	NUAGAON	Birmitrapur	8.1	1000	467.22	388	320.49	45	67.04	55	6.63	0	391	100	40	0.892
1229	SUNDARGARH	RAJAGANGAPUR	Bihabandh Chawk	8.3	650	329.49	133	181.15	31	13.53	84	4.2	0	221	77	23	0.419
1230	SUNDARGARH	RAJAGANGAPUR	Rajgangpur	7.6	250	158.8	102	98.36	25	9.63	6	12	0	120	10	12	0.992
1231	SUNDARGARH	SUBDEGA	Alikera	8.2	800	404.42	301	170.49	53	41.03	52	1.5	0	208	145	26	0.654
1232	SUNDARGARH	SUBDEGA	Panchomahala	8	550	267.04	219	201.64	35	32.01	24	1.5	0	246	32	10	0.406

SI No	DISTRICT	BLOCK	SITE	PH	EC	TDS	TH	TA	CA	MG	NA	K	CO3	HCO ₃	CL ⁻	SO ₄ ⁻	F
					μ S/cm at 25°C	mg/L	mg/L as CaCO ₃		mg/L								
1233	SUNDARGARH	SUBDEGA	Sabdega	8.1	800	404.53	245	243.44	37	37.12	74	2	0	297	95	22	1.03
1234	SUNDARGARH	SUBDEGA	Sundargarh	7.8	430	215.48	168	165.57	39	17.19	21	1.5	0	202	27	7	0.295
1235	SUNDARGARH	SUNDARGARH	Bargad	7.6	200	109.24	56	62.3	12	6.34	20	2	0	76	27	1.5	0.137
1236	SUNDARGARH	SUNDARGARH	Bhasma	7.8	250	148.49	97	82.79	29	5.99	17	3	0	101	37	1.5	0.24
1237	SUNDARGARH	SUNDARGARH	Jagimal	8.1	300	140.25	112	118.85	33	7.21	11	5	0	145	12	3	0.294
1238	SUNDARGARH	SUNDARGARH	Karamdihi	8.2	150	91.87	56	51.64	14	5.12	11	1	0	63	20	1	0.1
1239	SUNDARGARH	SUNDARGARH	Medinipur	8	400	226.55	143	118.85	51	3.83	30	2.5	0	145	65	5	0.236
1240	SUNDARGARH	SUNDARGARH	Rabandihi	7.9	400	217.06	122	36.07	29	12.07	31	7	0	44	115	2	0.146
1241	SUNDARGARH	TANGARAPALI	Balijori	8.2	650	355.91	194	212.3	41	22.3	42	38	0	259	60	19	0.661
1242	SUNDARGARH	TANGARAPALI	Mahulapali	7.9	400	210.23	128	145.08	37	8.68	31	4.5	0	177	35	11	0.268
1243	SUNDARGARH	TANGARAPALI	Rangiamunda	7.9	450	216.61	168	154.92	25	25.68	24	2	0	189	45	7	0.368

ANNEXURE IV

DISTRICT WISE RANGE OF TRACE AND TOXIC ELEMENTS IN ODISHA (NHS 2019)

SI No	Districts	Parameters	Minimum	Maximum	No. of sample(s) Above Max. Permissible limit
1	Anugul	U mg/l	BDL	0.036	1
		As mg/l	BDL	0.006	0
		Pb mg/l	BDL	0	0
		Fe mg/l	BDL	0.491	3
		Mn mg/l	BDL	1.521	4
		Cu mg/l	BDL	0	0
		Zn mg/l	BDL	1.542	0
		Cr mg/l	BDL	0	0
2	Balangir	U mg/l	BDL	0.019	0
		As mg/l	BDL	0.003	0
		Pb mg/l	BDL	0	0
		Fe mg/l	BDL	0.625	3
		Mn mg/l	BDL	2.266	5
		Cu mg/l	BDL	0	0
		Zn mg/l	BDL	0	0
		Cr mg/l	BDL	0	0
3	Balasore	U mg/l	BDL	0.012	0
		As mg/l	BDL	0.006	0
		Pb mg/l	BDL	0.008	5
		Fe mg/l	BDL	6.962	4
		Mn mg/l	BDL	0.922	5
		Cu mg/l	BDL	0	0
		Zn mg/l	BDL	0	0
		Cr mg/l	BDL	0	0
4	Baragarh	U mg/l	BDL	0.008	0
		As mg/l	BDL	0	0
		Pb mg/l	BDL	0.003	0
		Fe mg/l	BDL	1.969	4

SI No	Districts	Parameters	Minimum	Maximum	No. of sample(s) Above Max. Permissible limit
		Mn mg/l	BDL	1.839	4
		Cu mg/l	BDL	0	0
		Zn mg/l	BDL	2.727	0
		Cr mg/l	BDL	0	0
5	Bhadrak	U mg/l	BDL	0.006	0
		As mg/l	BDL	0	1
		Pb mg/l	BDL	0.317	0
		Fe mg/l	BDL	0.681	7
		Mn mg/l	BDL	0	12
		Cu mg/l	BDL	1.542	0
		Zn mg/l	BDL	0	0
		Cr mg/l	BDL	0	0
6	Boudh	U mg/l	BDL	0.016	0
		As mg/l	BDL	0.009	0
		Pb mg/l	BDL	0.015	1
		Fe mg/l	BDL	0.253	0
		Mn mg/l	BDL	5.942	2
		Cu mg/l	BDL	0	0
		Zn mg/l	BDL	0.953	0
		Cr mg/l	BDL	0	0
7	Cuttack	U mg/l	BDL	0.006	0
		As mg/l	BDL	0.005	0
		Pb mg/l	BDL	0.003	0
		Fe mg/l	BDL	5.365	17
		Mn mg/l	BDL	5.559	9
		Cu mg/l	BDL	0	0
		Zn mg/l	BDL	0	0
		Cr mg/l	BDL	0	0

SI No	Districts	Parameters	Minimum	Maximum	No. of sample(s) Above Max. Permissible limit
8	Deogarh	U mg/l	BDL	0.013	0
		As mg/l	BDL	0	0
		Pb mg/l	BDL	0	0
		Fe mg/l	BDL	0.455	1
		Mn mg/l	BDL	1.943	1
		Cu mg/l	BDL	0	0
		Zn mg/l	BDL	0	0
		Cr mg/l	BDL	0	0
9	Dhenkanal	U mg/l	BDL	0.038	1
		As mg/l	BDL	0	0
		Pb mg/l	BDL	0.003	0
		Fe mg/l	BDL	27.369	5
		Mn mg/l	BDL	0.778	5
		Cu mg/l	BDL	0	0
		Zn mg/l	BDL	5.179	0
		Cr mg/l	BDL	0	0
10	Gajapati	U mg/l	BDL	0.005	0
		As mg/l	BDL	0.004	0
		Pb mg/l	BDL	0.003	0
		Fe mg/l	BDL	0.405	1
		Mn mg/l	BDL	0	0
		Cu mg/l	BDL	0	0
		Zn mg/l	BDL	0	0
		Cr mg/l	BDL	0	0
11	Ganjam	U mg/l	BDL	0.008	0
		As mg/l	BDL	0.147	1
		Pb mg/l	BDL	0	0
		Fe mg/l	BDL	0.978	0

SI No	Districts	Parameters	Minimum	Maximum	No. of sample(s) Above Max. Permissible limit
		Mn mg/l	BDL	1.218	4
		Cu mg/l	BDL	0	0
		Zn mg/l	BDL	0	0
		Cr mg/l	BDL	0	0
12	Jagatsinghpur	U mg/l	BDL	0	0
		As mg/l	BDL	0.011	1
		Pb mg/l	BDL	0	0
		Fe mg/l	BDL	4.336	2
		Mn mg/l	BDL	1.082	3
		Cu mg/l	BDL	0	0
		Zn mg/l	BDL	0.678	0
		Cr mg/l	BDL	0	0
13	Jajapur	U mg/l	BDL	0.005	0
		As mg/l	BDL	0.004	0
		Pb mg/l	BDL	0	0
		Fe mg/l	BDL	3.614	4
		Mn mg/l	BDL	3.364	5
		Cu mg/l	BDL	0	0
		Zn mg/l	BDL	0.973	0
		Cr mg/l	BDL	0	0
14	Jharsuguda	U mg/l	BDL	0.007	0
		As mg/l	BDL	0	0
		Pb mg/l	BDL	0	0
		Fe mg/l	BDL	12.569	4
		Mn mg/l	BDL	0.279	0
		Cu mg/l	BDL	0	0
		Zn mg/l	BDL	0.568	0
		Cr mg/l	BDL	0	0

SI No	Districts	Parameters	Minimum	Maximum	No. of sample(s) Above Max. Permissible limit
15	Kalahandi	U mg/l	BDL	0.015	0
		As mg/l	BDL	0.009	0
		Pb mg/l	BDL	0.006	0
		Fe mg/l	BDL	0.791	3
		Mn mg/l	BDL	0.278	0
		Cu mg/l	BDL	0	0
		Zn mg/l	BDL	0.929	0
		Cr mg/l	BDL	0	0
16	Kandhamal	U mg/l	BDL	0	0
		As mg/l	BDL	0	0
		Pb mg/l	BDL	0	0
		Fe mg/l	BDL	1.735	2
		Mn mg/l	BDL	2.993	1
		Cu mg/l	BDL	0	0
		Zn mg/l	BDL	0	0
		Cr mg/l	BDL	0	0
17	Kendrapara	U mg/l	BDL	0.003	0
		As mg/l	BDL	0.015	1
		Pb mg/l	BDL	0	0
		Fe mg/l	BDL	15.042	4
		Mn mg/l	BDL	1.154	4
		Cu mg/l	BDL	0	0
		Zn mg/l	BDL	0	0
		Cr mg/l	BDL	0	0
18	Kendujhar	U mg/l	BDL	0.004	0
		As mg/l	BDL	0	0
		Pb mg/l	BDL	0.004	0
		Fe mg/l	BDL	1.861	4

SI No	Districts	Parameters	Minimum	Maximum	No. of sample(s) Above Max. Permissible limit
		Mn mg/l	BDL	0.547	2
		Cu mg/l	BDL	0	0
		Zn mg/l	BDL	0.564	0
		Cr mg/l	BDL	0	0
19	Khordha	U mg/l	BDL	0.004	0
		As mg/l	BDL	0.006	0
		Pb mg/l	BDL	0.005	0
		Fe mg/l	BDL	15.488	3
		Mn mg/l	BDL	1.225	9
		Cu mg/l	BDL	0	0
		Zn mg/l	BDL	1.877	0
		Cr mg/l	BDL	0	0
20	Koraput	U mg/l	BDL	0.009	0
		As mg/l	BDL	0	0
		Pb mg/l	BDL	0	0
		Fe mg/l	BDL	8.422	7
		Mn mg/l	BDL	1.465	2
		Cu mg/l	BDL	0	0
		Zn mg/l	BDL	0.884	0
		Cr mg/l	BDL	0	0
21	Malkangiri	U mg/l	BDL	0.005	0
		As mg/l	BDL	0	0
		Pb mg/l	BDL	0	0
		Fe mg/l	BDL	0.934	0
		Mn mg/l	BDL	0	0
		Cu mg/l	BDL	0	0
		Zn mg/l	BDL	0.569	1
		Cr mg/l	BDL	0	0

SI No	Districts	Parameters	Minimum	Maximum	No. of sample(s) Above Max. Permissible limit
22	Mayurbhanj	U mg/l	BDL	0.005	0
		As mg/l	BDL	0	0
		Pb mg/l	BDL	0	0
		Fe mg/l	BDL	8.054	8
		Mn mg/l	BDL	3.724	7
		Cu mg/l	BDL	0	0
		Zn mg/l	BDL	11.16	0
		Cr mg/l	BDL	0	0
23	Nabarangpur	U mg/l	BDL	0.009	0
		As mg/l	BDL	0	0
		Pb mg/l	BDL	0	0
		Fe mg/l	BDL	3.984	5
		Mn mg/l	BDL	0.508	1
		Cu mg/l	BDL	0	0
		Zn mg/l	BDL	8.557	0
		Cr mg/l	BDL	0	0
24	Nayagarh	U mg/l	BDL	0.007	0
		As mg/l	BDL	0.003	0
		Pb mg/l	BDL	0.007	0
		Fe mg/l	BDL	1.717	2
		Mn mg/l	BDL	2.666	4
		Cu mg/l	BDL	0	0
		Zn mg/l	BDL	0	0
		Cr mg/l	BDL	0	0
25	Nuapada	U mg/l	BDL	0.008	0
		As mg/l	BDL	0	0
		Pb mg/l	BDL	0	0
		Fe mg/l	BDL	0.36	1

SI No	Districts	Parameters	Minimum	Maximum	No. of sample(s) Above Max. Permissible limit
		Mn mg/l	BDL	0.363	1
		Cu mg/l	BDL	0	0
		Zn mg/l	BDL	0	0
		Cr mg/l	BDL	0	0
26	Puri	U mg/l	BDL	0.005	0
		As mg/l	BDL	0.009	0
		Pb mg/l	BDL	0	0
		Fe mg/l	BDL	5.824	8
		Mn mg/l	BDL	2.013	12
		Cu mg/l	BDL	0	0
		Zn mg/l	BDL	0	0
		Cr mg/l	BDL	0	0
27	Rayagada	U mg/l	BDL	0.013	0
		As mg/l	BDL	0	0
		Pb mg/l	BDL	0	0
		Fe mg/l	BDL	8	1
		Mn mg/l	BDL	0	0
		Cu mg/l	BDL	0	0
		Zn mg/l	BDL	0.791	0
		Cr mg/l	BDL	0	0
28	Sambalpur	U mg/l	BDL	0.059	1
		As mg/l	BDL	0	0
		Pb mg/l	BDL	0.016	0
		Fe mg/l	BDL	11.234	7
		Mn mg/l	BDL	1.274	5
		Cu mg/l	BDL	0	0
		Zn mg/l	BDL	24.682	1
		Cr mg/l	BDL	0	0

SI No	Districts	Parameters	Minimum	Maximum	No. of sample(s) Above Max. Permissible limit
29	Sonapur	U mg/l	BDL	0.012	0
		As mg/l	BDL	0	0
		Pb mg/l	BDL	0.114	1
		Fe mg/l	BDL	4.176	7
		Mn mg/l	BDL	1.115	10
		Cu mg/l	BDL	0	0
		Zn mg/l	BDL	1.213	0
		Cr mg/l	BDL	0	0
30	Sundargarh	U mg/l	BDL	0.038	1
		As mg/l	BDL	0	0
		Pb mg/l	BDL	0.025	1
		Fe mg/l	BDL	10.394	4
		Mn mg/l	BDL	1.215	5
		Cu mg/l	BDL	0	0
		Zn mg/l	BDL	19.854	1
		Cr mg/l	BDL	0	0