



## केंद्रीय भूमि जल बोर्ड

जल संसाधन, नदी विकास और गंगा संरक्षण

विभाग, जल शक्ति मंत्रालय

भारत सरकार

### **Central Ground Water Board**

Department of Water Resources, River  
Development and Ganga Rejuvenation,

Ministry of Jal Shakti

Government of India

## **AQUIFER MAPPING AND MANAGEMENT OF GROUND WATER RESOURCES**

**AKOLE, KOPARGAON, NAGAR, NEWASA, RAHATA,  
SANGRAMPUR AND SHRIRAMPUR BLOCKS,  
AHMEDNAGAR DISTRICT, MAHARASHTRA**

मध्य क्षेत्र, नागपुर

Central Region, Nagpur

**AQUIFER MAPS AND GROUND WATER MANAGEMENT PLAN,  
AKOLE, KOPARGAON, NAGAR, NEWASA, RAHATA,  
SANGRAMPUR AND SHRIRAMPUR BLOCKS  
AHMEDNAGAR DISTRICT, MAHARASHTRA  
(AAP 2017-18)**

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## AHMEDNAGAR DISTRICT AT A GLANCE

<b>1. GENERAL INFORMATION</b>		
Geographical Area	:	17196 Sq Km
Administrative Divisions (2011)	:	Blocks-14: Ahmednagar, Rahuri, Shirampur, Nevasa, Shevgaon, Pathardi, Jamkhed, Karjat, Srigonda, Parner, Akole, Sangamner, Kopargaon and Rahata
Villages (Census 2011)	:	1602 Nos.
Population	:	45,43,159
Rainfall 2017	:	723.50 mm
Normal rainfall (1998-1917)	:	572 mm (moderate to excess)
Long term rainfall Trend (1998-2017)	:	-7.352 m/year
<b>2. GEOMORPHOLOGY</b>		
Major Physiographic unit	:	Hill and Ghat section; Foot hill zone; Plateau and Plains
Major Drainage	:	Godavari, Bhima and its major tributaries Mula, Sina and Pravara.
<b>3. LAND USE (2012-13) (sources: mahasdb.maharashtra.gov.in/district Report)</b>		
Forest Area	:	1316 Sq. Km. (7.65 %)
Net Area Sown	:	13678 Sq. Km. (79.54 %)
Cultivable Area	:	14016 Sq. Km. (81.50 %)
<b>4. SOIL TYPE</b>	:	Medium black and Deep black soil.
<b>5. PRINCIPAL CROPS (2012-13)</b>		
Rabi Sorghum	:	5056 sq. km.
Bajra	:	2498 sq. km.
Wheat	:	662 sq. km.
Paerl Millet	:	1085 sq. km.
<b>6. IRRIGATION BY DIFFERENT SOURCES (2012-13) - Nos. / Potential Created (ha)</b>		
Dugwells	:	176608/446465
Tubewells/Borewells	:	20320/54383
Surface Flow Schemes	:	4374/8688
Surface Lift Schemes	:	2432/7041
<b>7. GROUND WATER MONITORING WELLS (March 2017)</b>		
Dugwells	:	58
Piezometers	:	12
<b>8. GEOLOGY</b>		
Recent to sub-recent	:	Alluvium
Late Cretaceous to Eocene	:	Basalt (Deccan Traps)
<b>9. HYDROGEOLOGY</b>		
Water Bearing Formation	:	Alluvium- Sand and Gravel
	:	Basalt (Deccan Traps) weathered, fractured, jointed
<b>Depth to water level in Shallow Aquifer</b>		
Premonsoon Depth to Water Level (May-2017)	:	3.1 to 23.6 mbgl
Postmonsoon Depth to Water Level (Nov.-2017)	:	1.0 to 20.1 mbgl

<b>Depth to water level in Deeper Aquifer</b>		
Premonsoon Depth to Water Level (May-2017)		7.00 to 78 mbgl
Postmonsoon Depth to Water Level (Nov.-2017)		1.41 to 45 mbgl
<b>Water level Trend (2008-17)</b>		
Premonsoon Water Level Trend (2008-2017)	:	Rise: 0.00026 to 0.77 m/year
		Fall: 0.3 to 0.0125 m/year
Postmonsoon Water Level Trend (2008-2017)	:	Rise: 0.00125 to 0.91 m/year
		Fall: 0.6875 to 0.0019 m/year
<b>10. GROUND WATER EXPLORATION (As on March, 2017)</b>		
Wells Drilled	:	EW-67, OW-25, Pz-12
Depth Range	:	14.60 to 352 mbgl
Discharge	:	0.05 to 33.63 lps
Storativity	:	$5.2 \times 10^{-6}$ to $2 \times 10^{-5}$
Transmissivity	:	2 to 357 m <sup>2</sup> /day (Basalt)
		21 to 598 m <sup>2</sup> /day (Alluvium)
<b>11. GROUND WATER QUALITY</b>		
Slightly alkaline, good for irrigation purposes throughout the district. However potability is affected at some places due to high NO <sub>3</sub> and TH.		
Type of Water	:	Basalt- Ca-HCO <sub>3</sub> Alluvium- Na-HCO <sub>3</sub> & Na-Cl
<b>12. DYNAMIC GROUND WATER RESOURCES - (2013)</b>		
Net Annual Ground Water Availability (ham)	:	178493.77 ham
Total Draft (Irrigation + Domestic+ Industrial)	:	138352.73 ham
Projected Demand (Domestic + Industrial)	:	8745.35 ham
Stage of Ground Water Development	:	77.51 %
Category		<b>OE: Rahata &amp; Sangrampur, SC: Kopergaon, Newasa &amp; Srigonda, rest Blocks are Safe</b>
<b>13. MAJOR GROUND WATER PROBLEMS AND ISSUES</b>		
<p>The district being situated in "Rain Shadow" zone of Western Ghats, it often suffers the drought conditions. Almost entire district covering Ahmednagar, Rahuri, Nevasa, Shevgaon, Jamkhed, Karjat, Srigonda, Pathardi and Parner Blocks comes under "Drought Area" The major parts of the district are also showing falling ground water level trends mainly in central, northern and eastern parts of the district The ground water quality is also non-potable at many places as the concentrations of nitrate and total hardness are above desirable limit. The ground water quality is also getting affected due to industrial pollution from sugar and allied industries like Distillery and Paper. The effluent generated from these sugar and allied industries and other industries are causing environmental problems because of its improper storage and disposal without adequate treatment.</p>		
<b>14. Aquifer Management Plan</b>		
Supply side Management		Proposed AR structures: 453 Percolation tanks and 1265 Check dams.

	Demand side Management		A total of 120.56 sq km area of sugarcane crop is proposed to cover under drip irrigation. Change of cropping pattern from sugarcane to pomegranate is proposed for 15 sq km area.
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**AQUIFER MAPS AND GROUND WATER MANAGEMENT PLAN,  
AKOLE, KOPARGAON, NAGAR, NEWASA, RAHATA,  
SANGRAMPUR AND SHRIRAMPUR BLOCKS  
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(AAP 2017-18)**

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# **AQUIFER MAPS AND GROUND WATER MANAGEMENT PLAN, AKOLE, KOPARGAON, NAGAR, NEWASA, RAHATA, SANGRAMPUR AND SHRIRAMPUR BLOCKS AHMEDNAGAR DISTRICT, MAHARASHTRA**







## **1.0 INTRODUCTION**

National Aquifer Mapping (NAQUIM) has been taken up in XII five year plan by CGWB to carry out detailed hydrogeological investigation on toposheet scale of 1:50,000. The NAQUIM has been prioritized to study Over-exploited, Critical and Semi-Critical Blocks as well as the other stress areas recommended by the State Govt. Aquifer mapping is a process wherein a combination of geologic, geophysical, hydrologic and chemical analyses is applied to characterize the quantity, quality and sustainability of ground water in aquifers.

The vagaries of rainfall, inherent heterogeneity & unsustainable nature of basalt aquifers, over exploitation of once copious alluvial aquifers, lack of regulation mechanism has a detrimental effect on ground water scenario of the Country in last decade or so. Thus, prompting the paradigm shift from **“traditional groundwater development concept”** to **“modern groundwater management concept”**.

Varied and diverse hydrogeological settings demand precise and comprehensive mapping of aquifers down to the optimum possible depth at appropriate scale to arrive at the robust and implementable ground water management plans. The proposed management plans will provide the **“Road Map”** for ensuring sustainable management and equitable distribution of ground water resources, thereby primarily improving drinking water security and irrigation coverage. Thus the crux of NAQUIM is not merely mapping, but reaching the goal-that of ground water management through community participation. The aquifer maps and management plans will be shared with the Administration of Ahmednagar district, Maharashtra for its effective implementation.

The activities under NAQUIM are aimed at:

-  Identifying the aquifer geometry,
-  Aquifer characteristics and their yield potential
-  Quality of water occurring at various depths,
-  Aquifer wise assessment of ground water resources
-  Preparation of aquifer maps and
-  Formulate ground water management plan

### **1.1 About the Area**

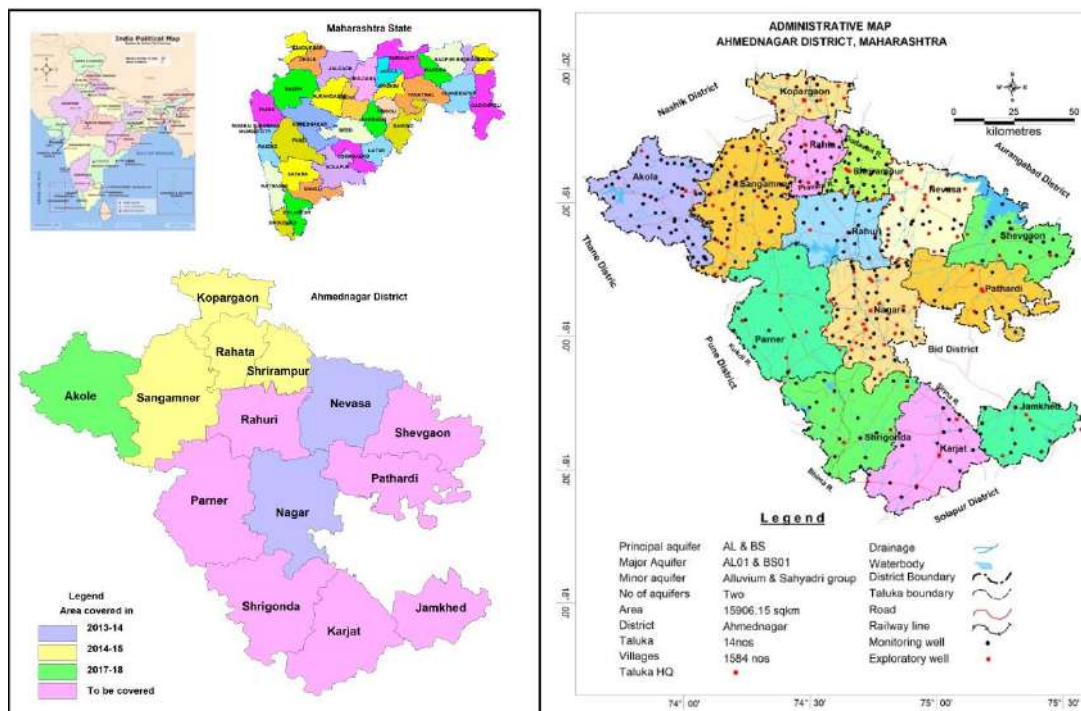
Ahmednagar district, which is known as “Rural Development in Co-operation” and “Land of Saints”, is situated in middle of western Maharashtra adjoining Nashik in the northern part, Beed and Osmanabad in the east, Aurangabad in the north east, Pune in the west and Solapur in the southern part. The district being first in terms of geographical area. The district lies between north latitudes 18°12’ and 19°54’ and east longitudes 73°54’ and 75°30’. The total area of the district is 17196 sq km and falls in parts of Survey of India degree sheets 47 I, 47 M, 47 J, 47 N and 47 E.

The district headquarters is located at Ahmednagar Town. For administrative convenience, the district is divided into 14 Blocks viz Ahmednagar, Rahuri, Shirampur, Nevasa, Shevgaon, Pathardi, Jamkhed, Karjat, Srigonda, Parner, Akole, Sangamner, Kopargaon and Rahata. It has a total population of 45,43,159 as per 2011 census. The district has 14 towns/Blocks and 1602 revenue villages. The central and northern part of the district comes under Godavari basin and southern part under Bhima basin

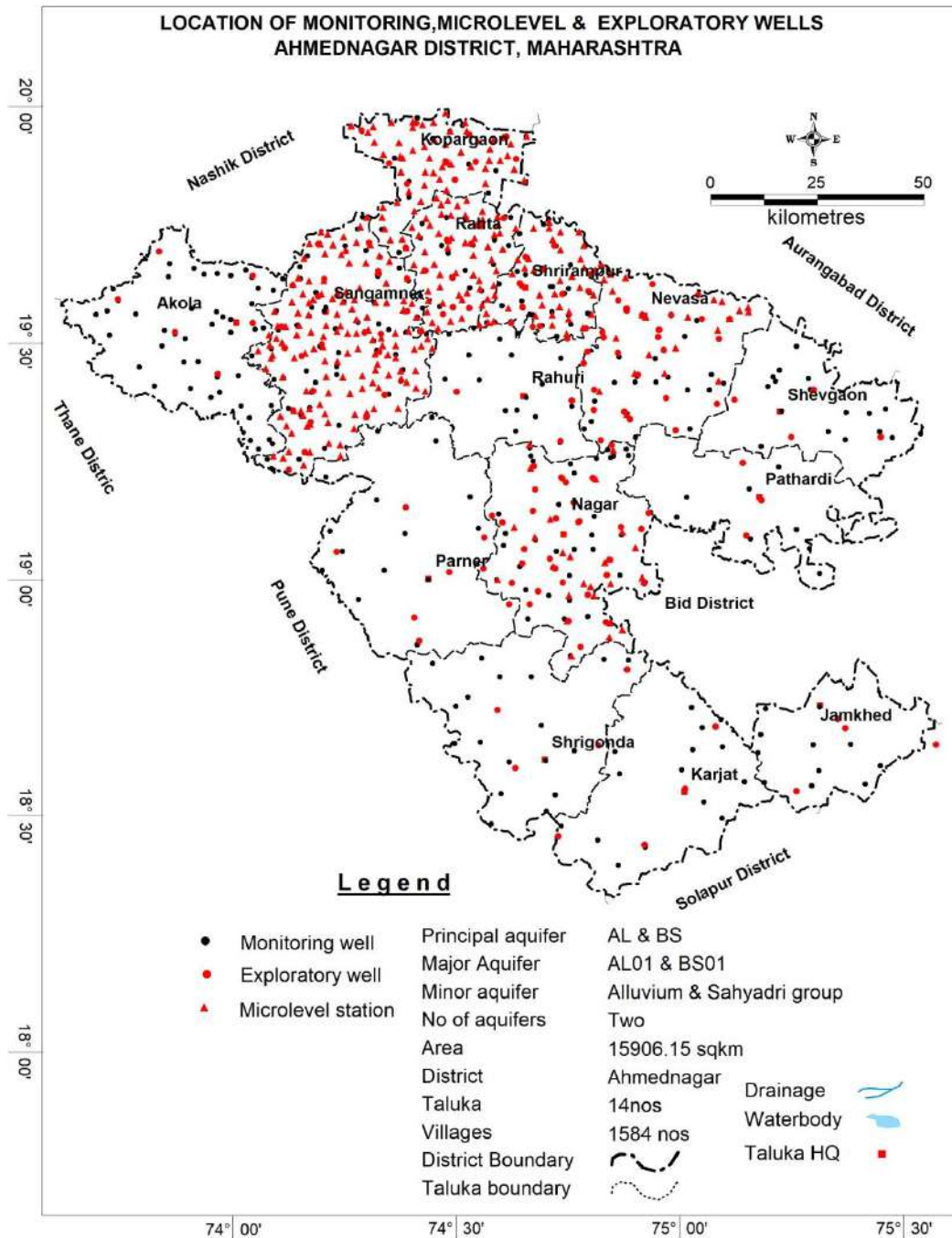
Ahmednagar district has been taken up under NAQUIM study during the year 2013-14, 14-15 and 2017-18. The total area of the district is 17196 sq km. The Sangrampur and Rahata Blocks are categorised as Over-Exploited, Kopargaon, Newasa and Srigonda are categorised as Semi-critical and rest of the Blocks are categorized as safe as per Ground Water Resources Estimation as on March 2013. The Administrative and Index map of the study area is presented in **Figure. 1.1 (a&b)**.

Exploratory drilling in the district has been taken up in different phases since 1978. The ground water exploration has been done in Alluvial and hard rock areas occupied by Deccan Trap Basalt. To establish the aquifer geometry, disposition and potential of aquifers, ground water exploration down to the depth of 200 m bgl has been taken up where the data gap exists and accordingly 85 exploratory wells, 18 observation wells and 02 Piezometer have been constructed during 2013-14, 14-15 and 2017-18. A total of 144 EW, 39 OW and 18 Piezometers have been constructed till March 2017. Salient Features of Ground Water Exploration are given in Annexure-I.

A total of 58 existing ground water monitoring stations were being monitored 4 times in a year to assess the ground water scenario of the district. Based on data gap analysis additional 236 KOWs were inventoried to acquire micro level hydrogeological data to decipher the water level scenario, sub-surface lithological disposition and hydrogeological setup of shallow aquifer (Aquifer-I). The details of KOWs, GWM and micro level wells are given in Annexure-II and III. Locations of existing ground water monitoring stations and exploratory wells are shown in **Figure.1.2**.



**Figure 1.1 a & b: Index and Administrative map, Ahmednagar District**



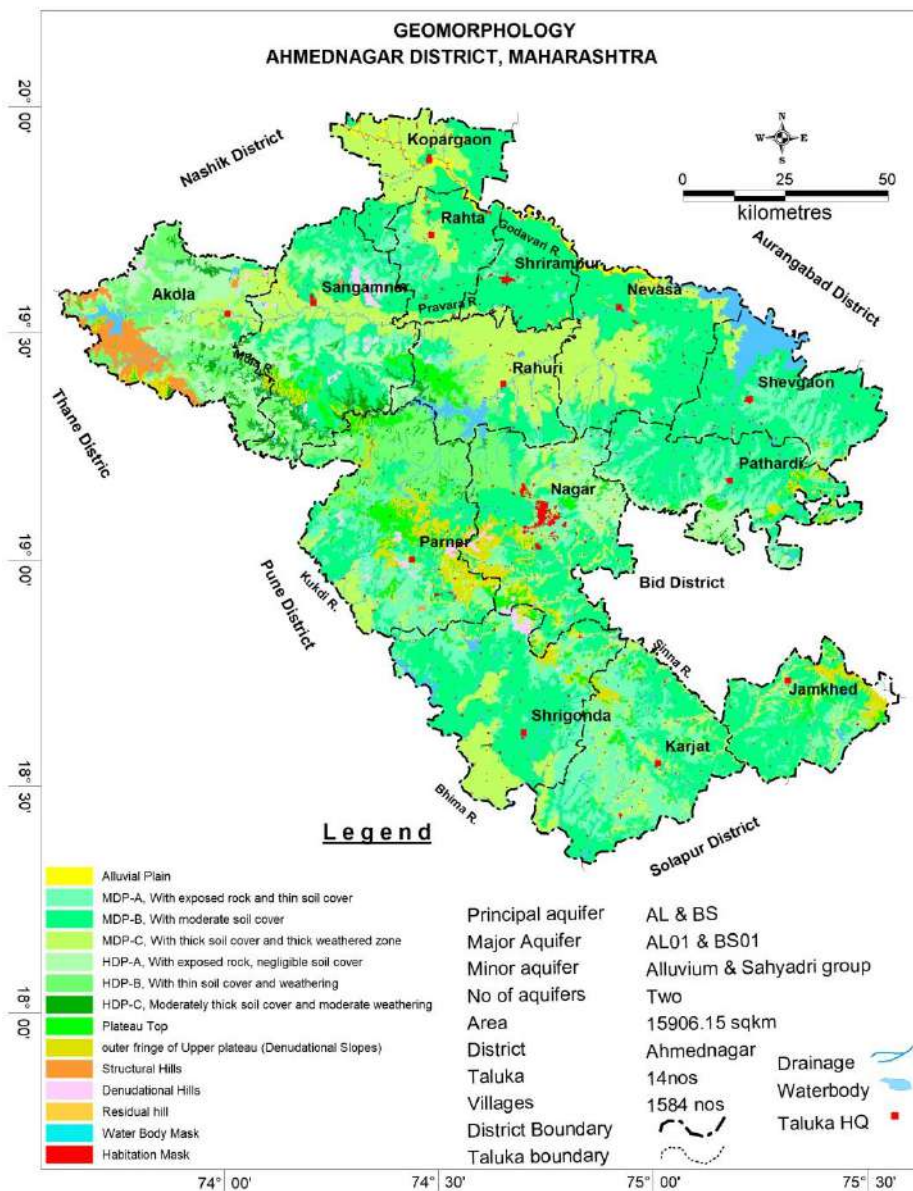
**Figure 1.2: Locations of Existing Exploratory wells and Ground Water Monitoring Wells**

## 1.2 Geomorphology, Drainage and Soil Types

Physiographically the district forms part of Deccan Plateau. Part of Sahayadri hill ranges fall in the district. Western Ghat section in Akole taluka is hilly which extends to relatively flat areas in Shevgaon and Jamkhed Blocks in the east. From the main Sahayadri range three spurs namely Kalsubai, Baleshwar and Harishchandgad bifurcates eastwards. Physiographically the district can be broadly divided in four major characteristic landforms viz., hill and ghat section (7.6% area); foothill zone (19.4% area); plateau (3.71% area) and plains (occupy 69.30% area). Maximum area of district is covered by moderately to highly dissected plateau. Alluvium plain occurs all along the major rivers. The geomorphological map of Ahmednagar district is shown in **Figure 1.3**

The district lies partly in Godavari basin and partly in Bhima basin. The northern part of the district is drained by Godavari River and its tributaries viz., Pravara, Mula, Adula and Mahalungi whereas the southern part is drained by Bhima River and its tributaries viz., Ghod and Sina. All the rivers have sub-parallel to semi-dendritic drainage pattern and the drainage density is quite high. Based on geomorphological setting and drainage pattern, the district is divided into 80 watersheds. The drainage map of Ahmednagar district is shown in **Figure. 1.4**

The soils in the district are derived from the Deccan basalt formation. Clayey very deep soil covers major part of the district covering Kopergaon, Rahata, Srirampur, Rahuri, Newasa and parts of Nagar, Srigonda, Shevgaon, Pathardi and Jamkhed. Gravelly sandy clay loam shallow to very deep and gravelly loam moderately deep covers rest of the area covering Akole, Sangamner, parts of Rahata, Shevgaon, Parner, Nagar, Pathardi and Karjat. The thematic map of soil distribution in the district is shown in **Figure. 1.5**



**Figure 1.3: Geomorphology, Ahmednagar District**

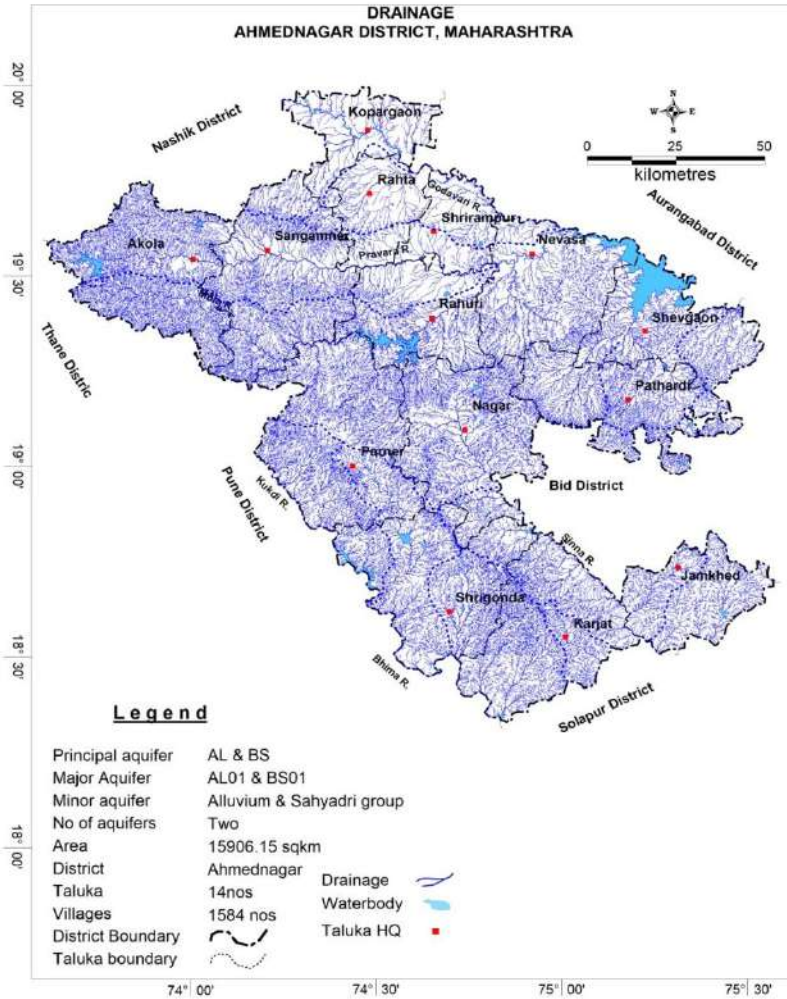


Figure 1.4: Drainage, Ahmednagar District

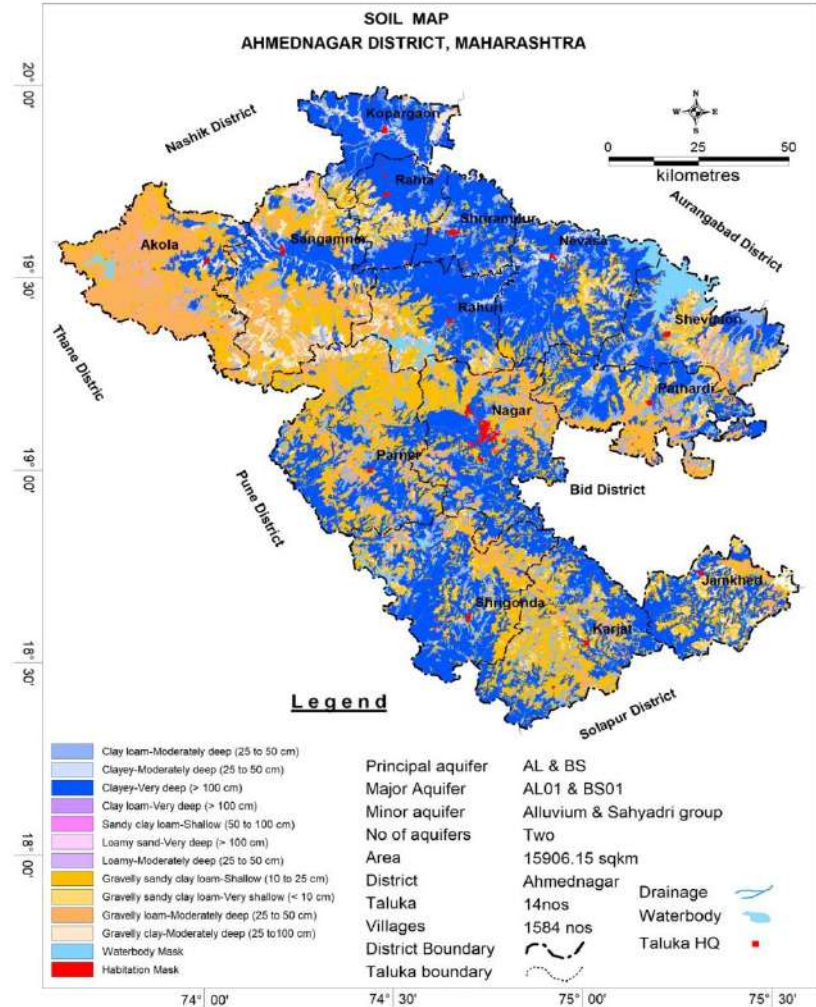


Figure 1.5: Soil, Ahmednagar District

### 1.3 Climate and Rainfall

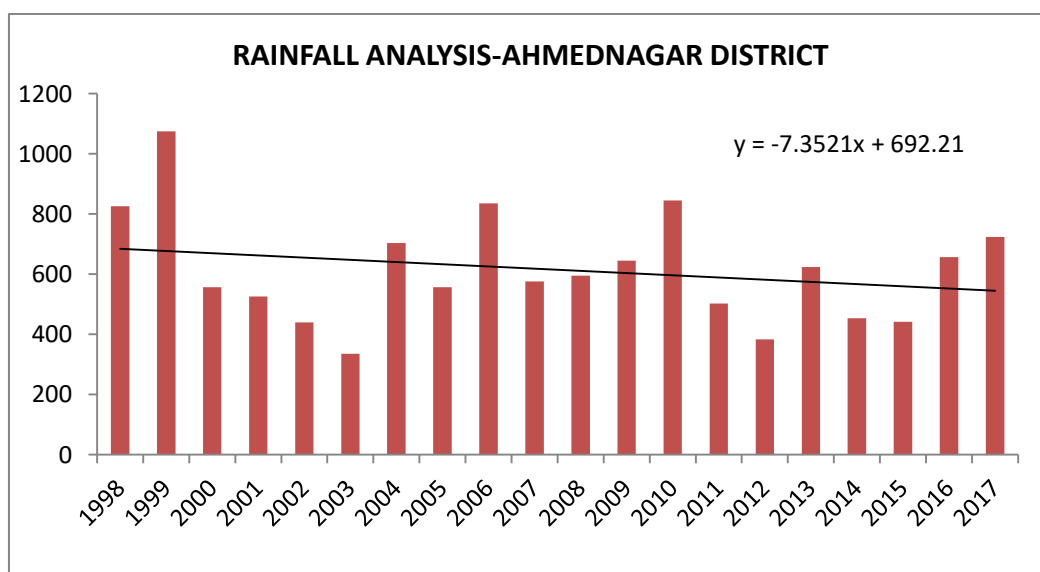
The climate of this district is characterized by hot tropical Climate with extreme summer, Mild winter season and general dryness throughout the year except during the south-west monsoon season, i.e., June to September. As per Agro-climatic Zones of the Agriculture Department, Ahmednagar district falls under 'Moderate Rainfall Zone'. The Normal rainfall of the district is 572 mm spread over 47 to 50 rainy days in normal condition. Long term rainfall analysis (1998-2017) and annual rainfall data of last ten years is given in **Table 1.1 and 1.2 and Figure. 1.6**. The spatial distribution of the rainfall is given in **Figure. 1.7**.

**Table 1.1: Long-term rainfall analysis**

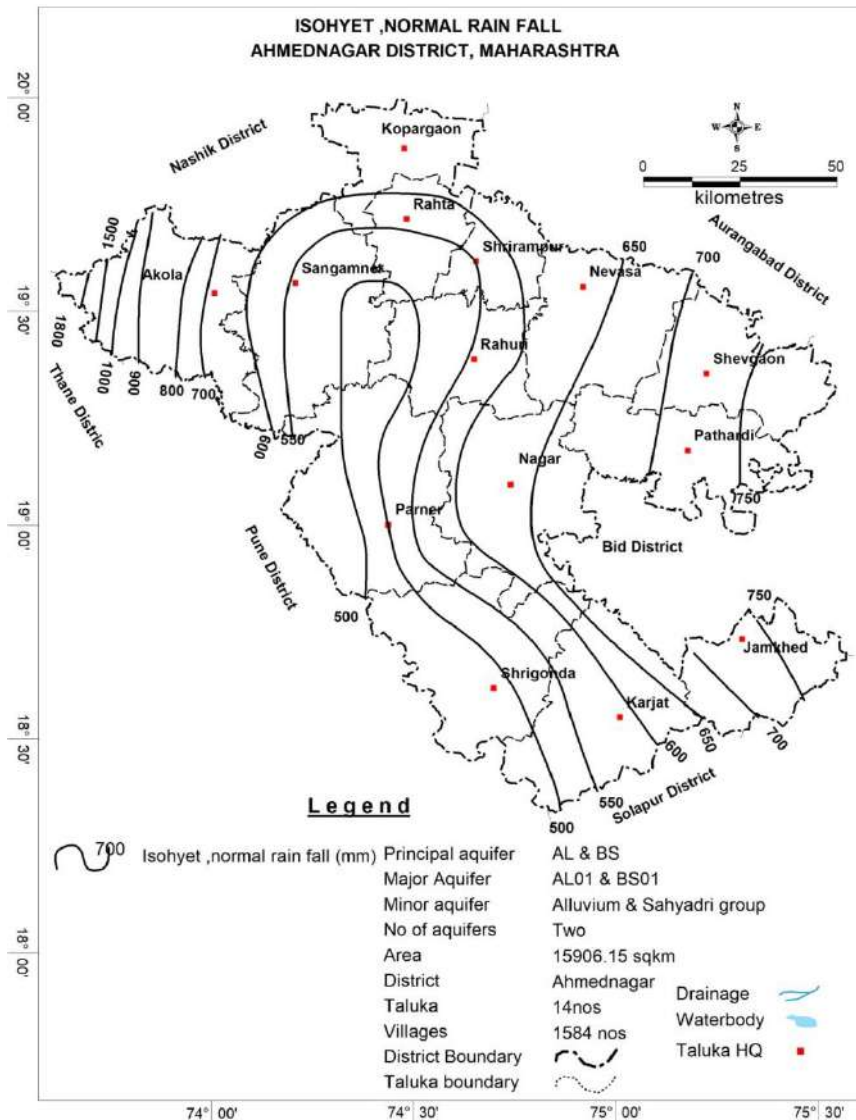
District	Period	No of years	Normal Rainfall (mm)	Std. Deviation (mm)	Coefficient of Variation (%)	Rainfall Trend (mm/year)
Ahmednagar	1998-2017	20	572	181.66	59.56	-7.52
		<b>No</b>				<b>Years</b>
<b>Departures</b>						
		11				55
		9				45
<b>Drought</b>						
		2				10
		0				0
		0				0
<b>Normal &amp; Excess RF</b>						
		13				65
		5				25

**Table 1.2: Annual rainfall data (2008-2017) (in mm)**

Year	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Average Rainfall (mm)
Ahmadnagar	594.8	644.8	844.9	502.9	383.4	623.4	453.3	442.3	656.8	723.5	<b>587.02</b>



**Figure 1.6: Rainfall Analysis (1998-2017), Ahmednagar District**



**Figure 1.7: Isohyetal map of Ahmednagar District**

## 2.0 HYDROGEOLOGY

### 2.1 Major Aquifer Systems

There are 2 types of aquifer systems exist in the area namely Alluvium and Basalt. The map showing major aquifer systems of Ahmednagar district is shown in **Figure 2.1**.

#### 2.1.1 Alluvium

Alluvium occurs in small areas along banks and flood plains of major rivers like Godavari, Pravara, Mula rivers and their tributaries. Coarse grained detrital material like sand and gravel usually occurring as lenses forms good aquifer. The ground water occurs under water table conditions in flood plain deposits near the river banks. Confined conditions are also found wherever the thick clay deposits confine the ground water below it. Ground water exploration in Godavari-Pravara Alluvium reveals that the thickness of alluvium is less than 40 m and the aquifer thickness are ranges between 5-8 m. The yield of the dugwells ranges from 6 to 100 m<sup>3</sup>/day.

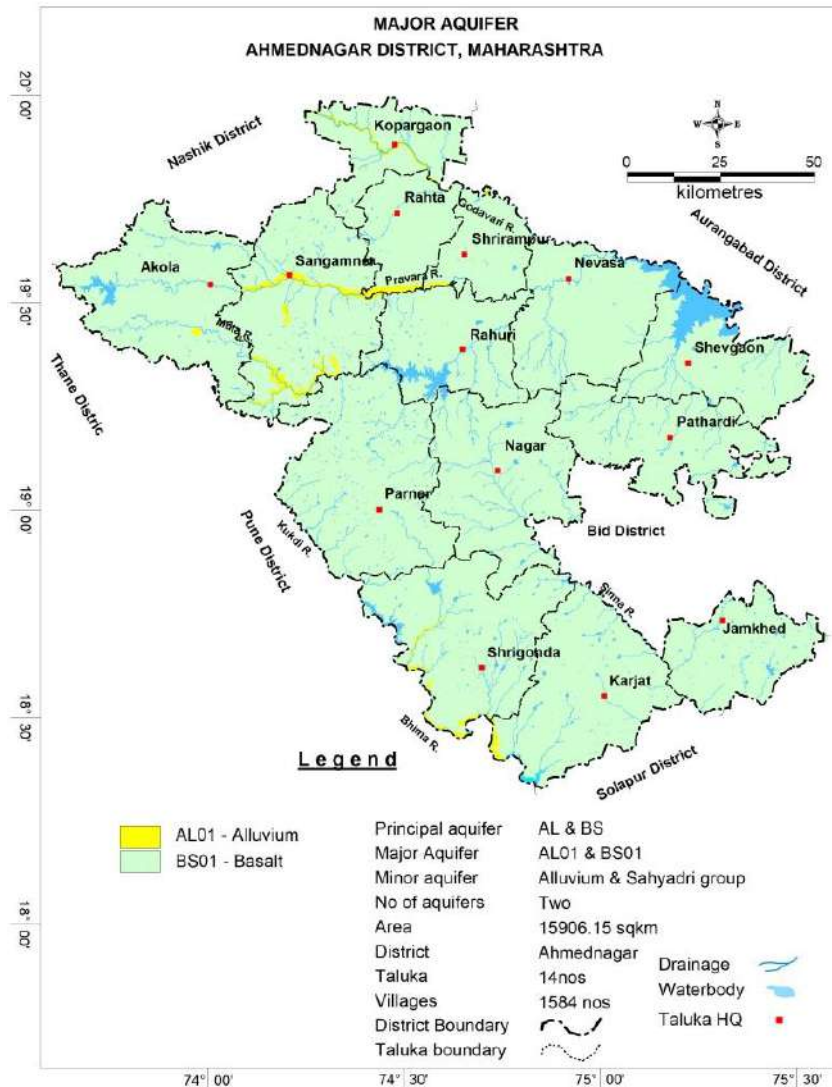


Figure 2.1: Major Aquifers

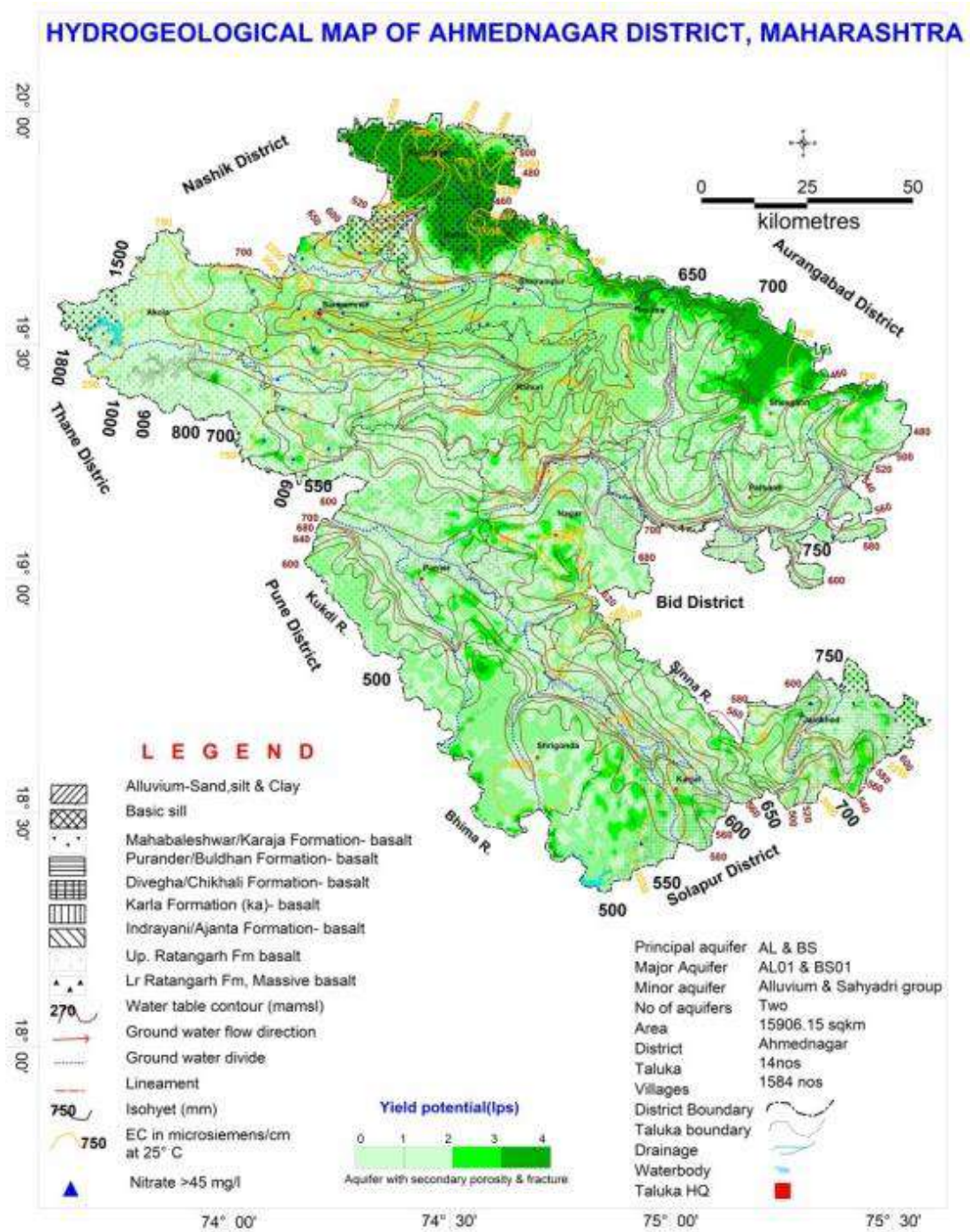
### 2.1.2 Basalt

Deccan Trap Basalt of late Cretaceous to Eocene age is the major rock formation in the district covering almost entire district, a map depicting hydrogeological features is presented in **Figure 2.2** and water table contour map is shown in **Figure 2.3**.

The weathered and fractured part of basalt occurring in topographic lows form the main aquifer in the district. Ground water occurs under phreatic, semi-confined and confined conditions. Generally, the shallower zones down to the depth of 35 m bgl form phreatic aquifer. The water bearing zones occurring between the depths of 9 and 35 m are weathered interflow or shear zones and yield water under semi-confined conditions. Deeper semi-confined to confined aquifers occur below the depth of 35 m as the borewells drilled have shown presence of fractured zones at deeper depths at places. The vesicular portion of different lava flows varies in thickness from 5 to 24 m and forms the potential aquifer zones. However, the nature and density of vesicles, their distribution, inter-connection, depth of weathering and topography of the area are the decisive factors for occurrence and movement of ground water in vesicular units. The massive portion of basaltic flows are devoid of water, but ground water occurs in weathered, fractured, jointed or contain weaker zones in it. The yield of the dugwells ranges from 10 to 100 m<sup>3</sup>/day, whereas borewells yield is restricted upto 2.5 lps when favourably located. The depth of occurrence and fractured/granular rock thickness map is shown in **Figure 2.4** and **Figure 2.5** respectively and



the aquifer-I, aquifer-II and cumulative yield potential map is shown in **Figure 2.6**, **Figure 2.7** and **Figure 2.8** respectively.



**Figure 2.2 : Hydrogeology**

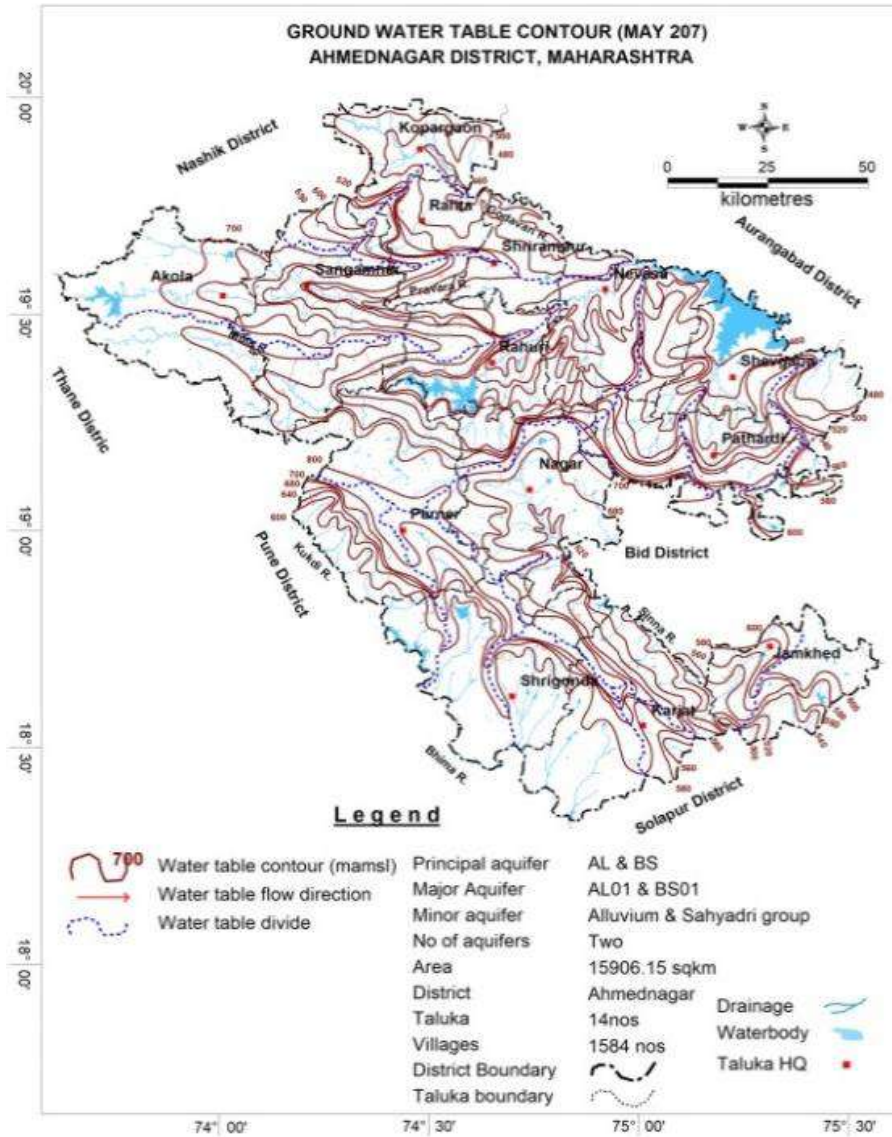


Figure 2.3: Water Table contour

Table 2.1: Aquifer Characteristic of Ahmednagar district

Major Aquifers	Basalt (Deccan Traps)		Alluvium
Type of Aquifer	Aquifer-I	Aquifer-II	Aquifer-I (AL02)
Formation	Weathered / Fractured Basalt	Jointed / Fractured Basalt	Alluvium-Sand / silt & Clay
Depth of Occurrence (mbgl)	9-35	3-182	10-40
SWL (mbgl)	3.9-32	12-75	5.1-34
Granular/Weathered /Fractured rocks thickness (m)	5-24	0.5-14	5-8
Fractures/granular zone encountered (mbgl)	Upto 35	Upto 182	Upto 40
Yield	10 – 100 m <sup>3</sup> /day	2.5 lps	60-100m <sup>3</sup> /day
Sustainability	1 to 3 hrs	0.5 to 3 hrs	1 to 5 hrs
Transmissivity (m <sup>2</sup> /day)	30 to 80 m <sup>2</sup> /day	25 to 389 m <sup>2</sup> /day	30-120 m <sup>2</sup> /day
Specific Yield/ Storativity (Sy/S)	0.019 – 0.028	2.0 x10 <sup>-5</sup> To 5.2 X 10 <sup>-6</sup>	0.06 to 0.1
Suitability for drinking/ irrigation	Suitable for both	Suitable for both, except high EC	Suitable for both

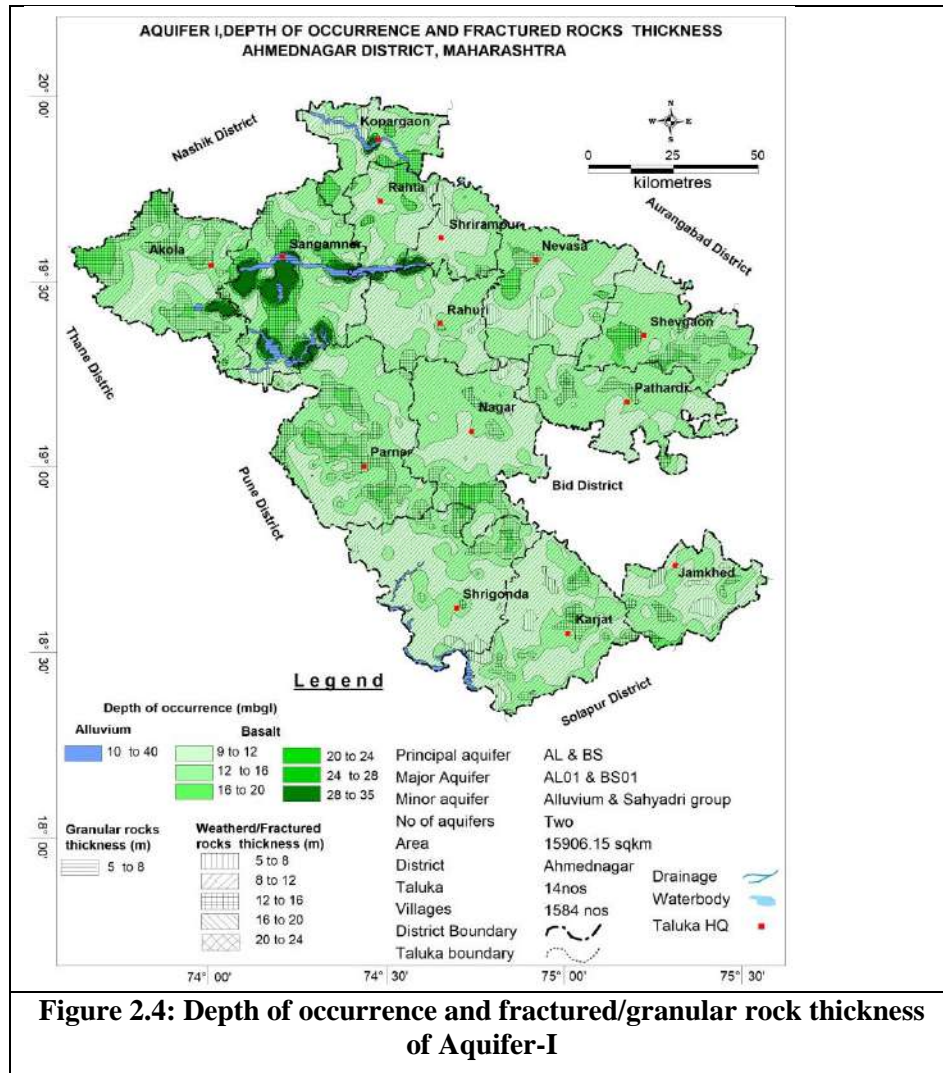


Figure 2.4: Depth of occurrence and fractured/granular rock thickness of Aquifer-I

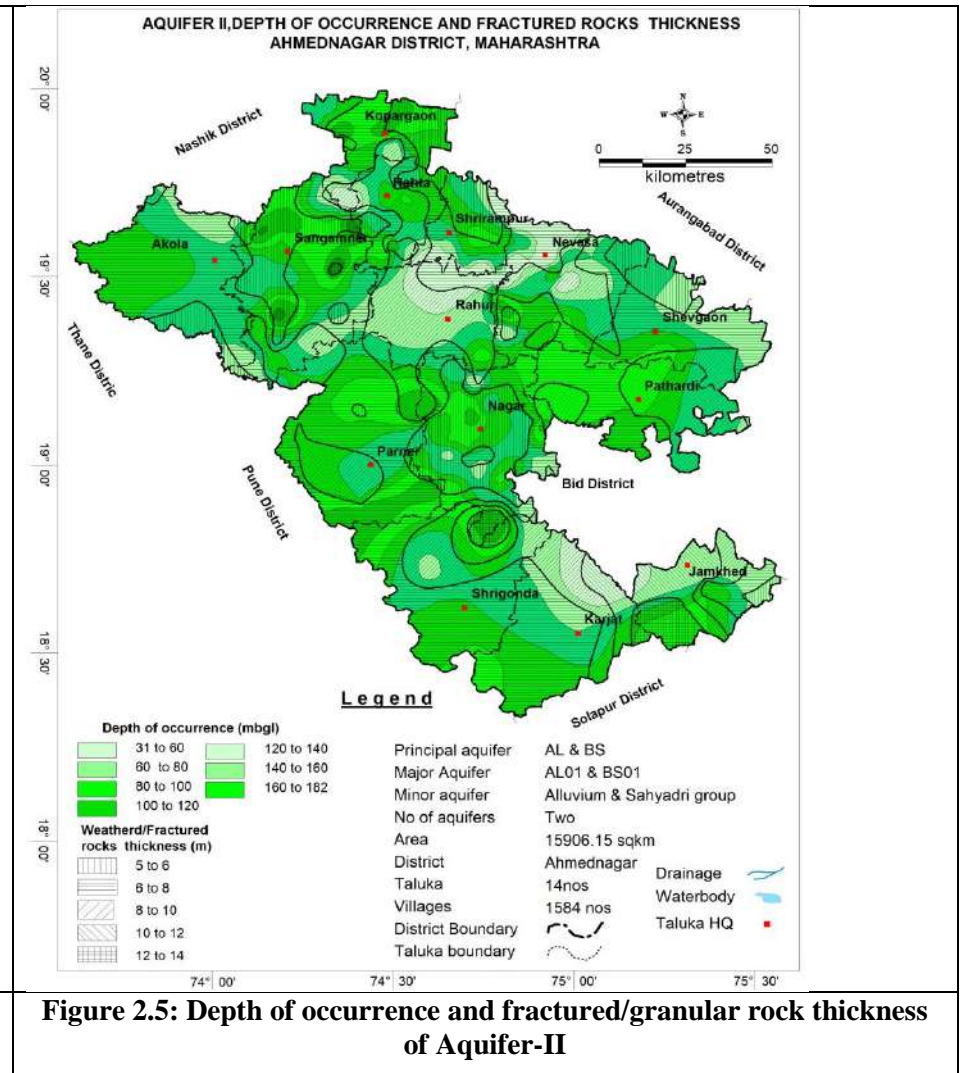


Figure 2.5: Depth of occurrence and fractured/granular rock thickness of Aquifer-II

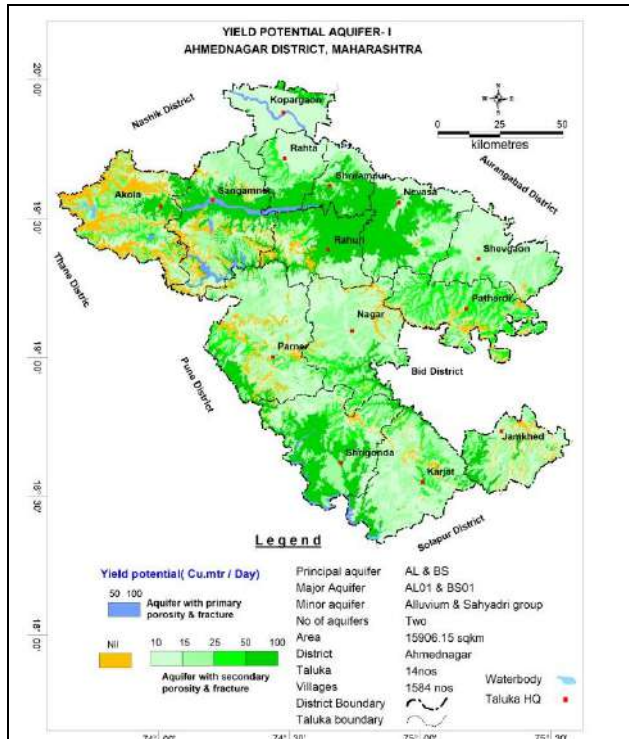


Figure 2.6: Aquifer-I Yield Potential (Basalt & Alluvium)

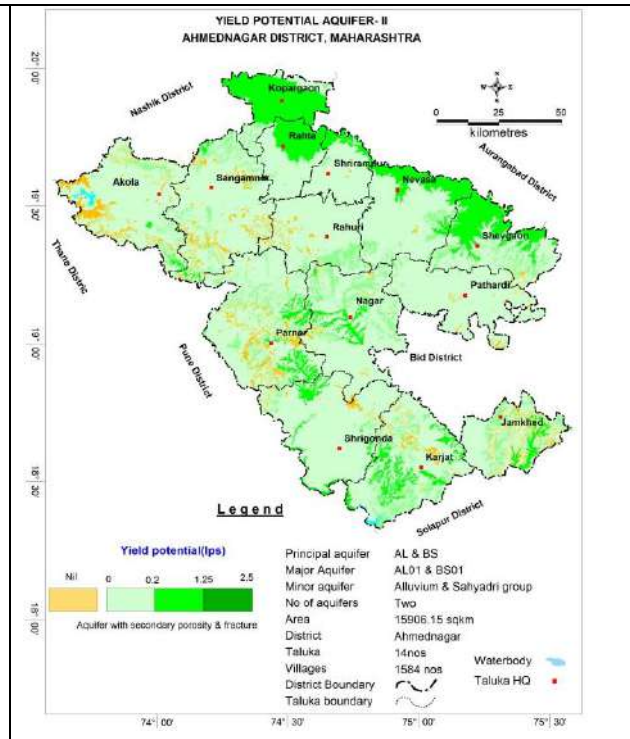


Figure 2.7: Aquifer-II Yield Potential (Basalt)

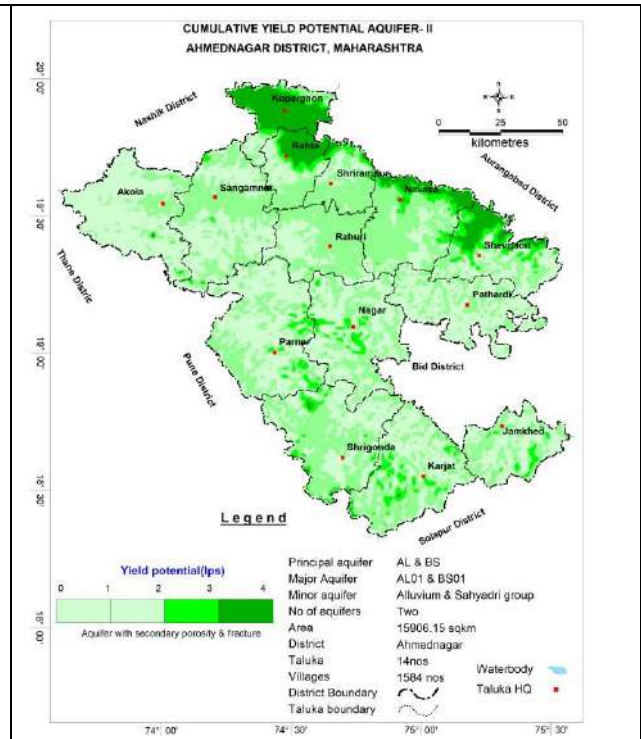


Figure 2.8: Aquifer-II Cummulative yield potential (Basalt)

Yield potential	Aquifer I	Aquifer II
Alluvium	50 to 100 m <sup>3</sup> /day	-
Basalt	10 to 100 m <sup>3</sup> /day	0.0 to 2.5 lps



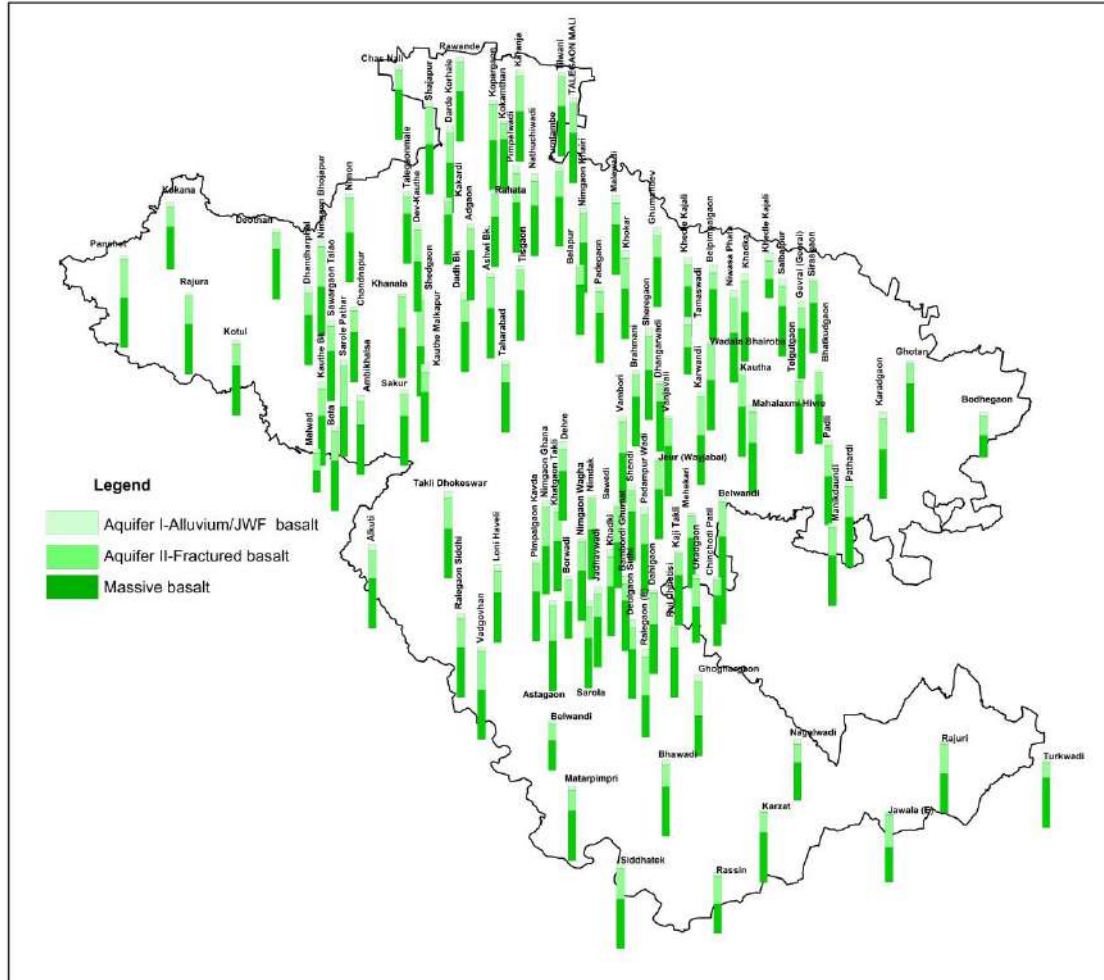


Figure 2.11: Bar Diagram

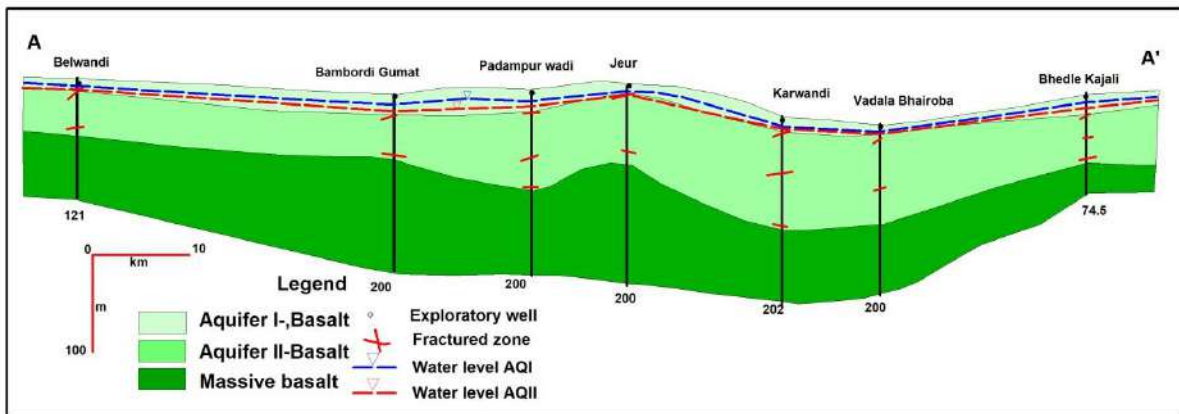


Figure. 2.12 (a): Lithological section

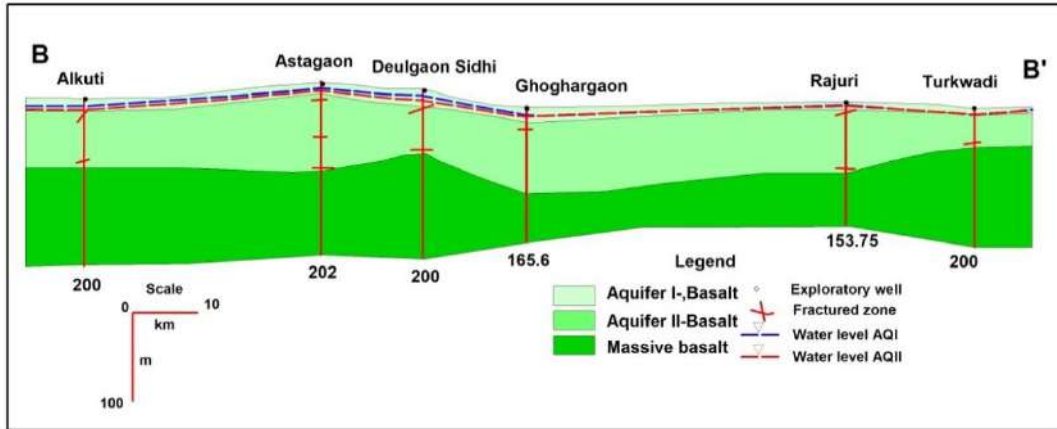


Figure 2.12 (b): Lithological section

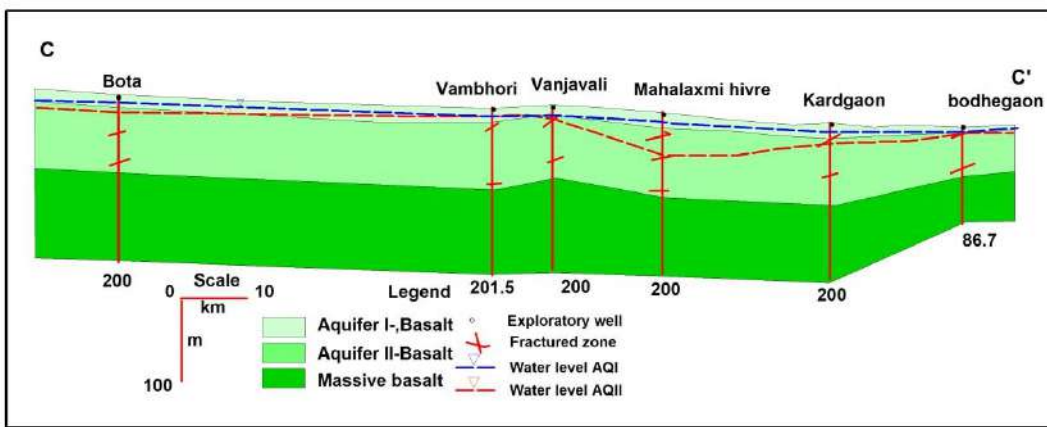


Figure 2.12 (c): Lithological section

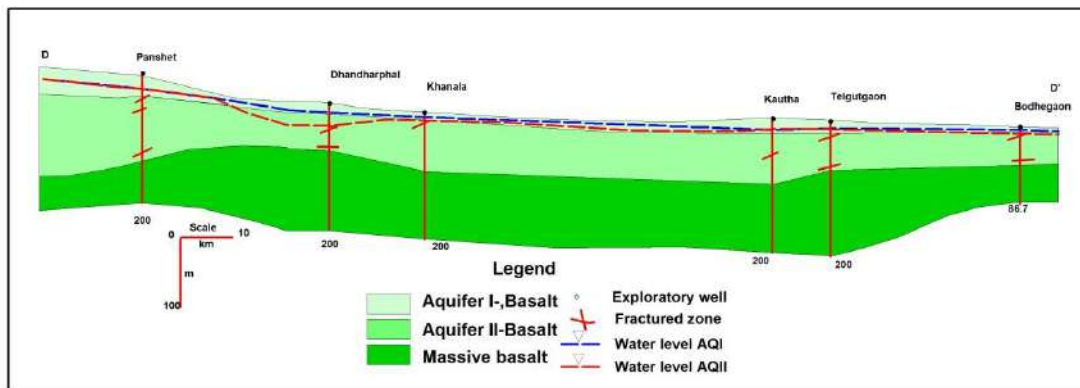


Figure 2.12 (d): Lithological section

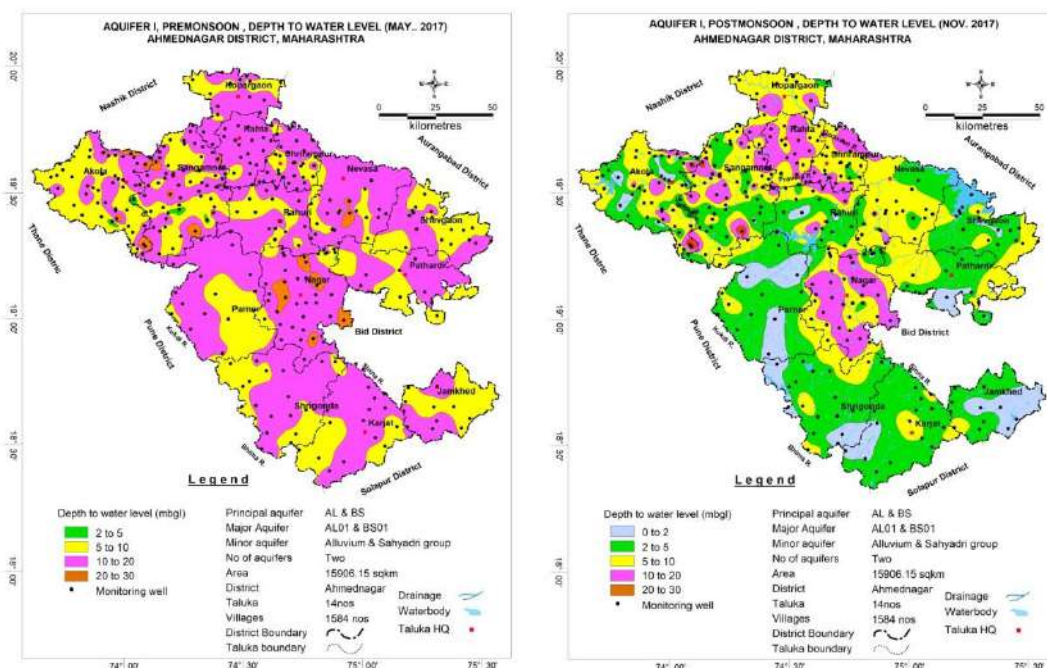
### 3.0 WATER LEVEL SCENARIO

#### 3.1 Depth to Water level of (Aquifer-I/Shallow Aquifer)

Central Ground Water Board periodically monitors 58 Ground Water monitoring wells in the Ahmednagar district, four times a year i.e. in January, May (Premonsoon), August and November (Postmonsoon). Apart from this under NAQUIM study, 233 KOW were also established and monitored during the year 2017. These data have been used for preparation of depth to water level maps of the district. Pre-monsoon and post monsoon water levels along with fluctuation during 2017 and long-term water level trends (2008-2017) are given in Annexure-IV.

### 3.1.1 Pre-monsoon DTW (May-2017)

The depth to water levels in Ahmednagar district during May 2017 ranges between 3.20 (Karangi, Kopargaon block) and 30.55 mbgl (Sakur, Sangamner block). The depth to water levels less than 5 mbgl and more than 20 mbgl are observed in isolated patches. The water levels less than 5 mbgl is observed near Major/medium irrigation projects/canal command areas. The depth to Water levels between 5-10 mbgl covers part of Akole, Srigonda, Karjat, Shevgaon, Jamkhed, Parner, Sangamner and Rahuri. The depth to water level between 10 to 20 mbgl is observed in major part of the district. The premonsoon depth to water level map is depicted in **Figure. 3.1**.



**Figure 3.1: DTWL shallow aquifer (May 2017)    Figure 3.2: DTWL shallow aquifer (Nov. 2017)**

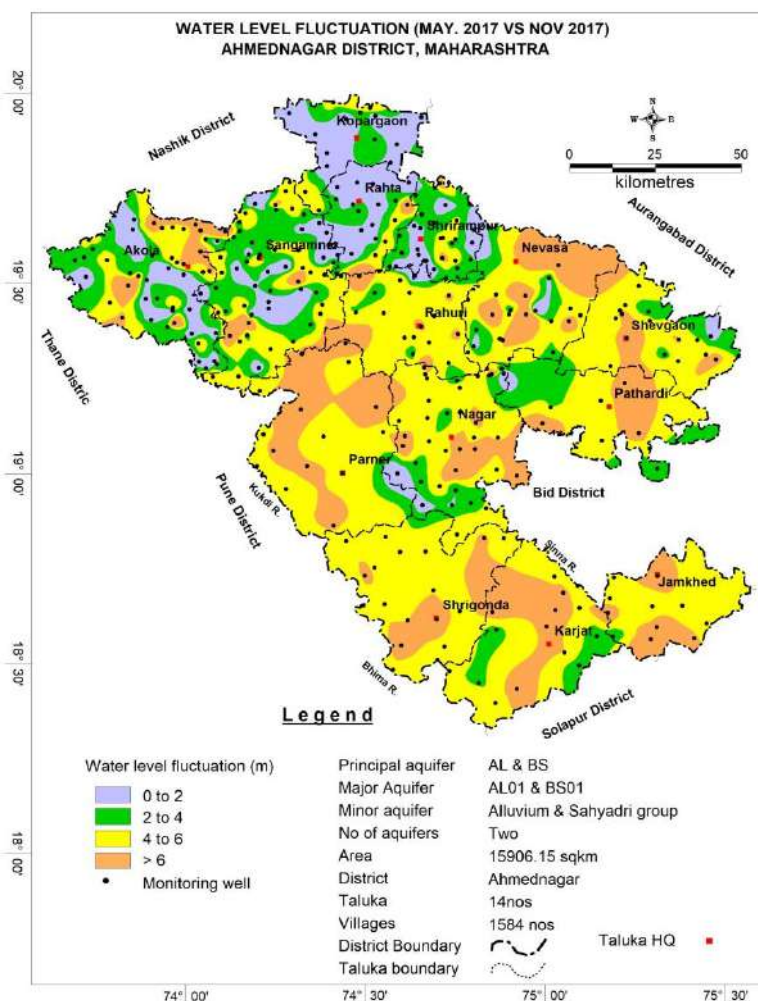
### 3.1.2 Post Monsoon DTW (Nov.-2017)

The depth to water levels in Ahmednagar district during Nov. 2017 ranges between 0.5 (Dhawalpuri, Parner block) and 26.70 mbgl (Sakur, Sangamner block). Shallow water levels within 5 m bgl are observed in almost entire area of Karjat, Srigonda, Jamkhed, Parner Blocks and parts of Pathardi, Rahuri, Shevgaon, Newasa and isolated patches of Sangamner and Akloe Blocks. Water levels between 5 and 10 m bgl are observed in Nagar, Pathardi, Newasa, Srirampur, Kopargaon, Rahata, Sangamner and Akole Blocks. The depth to water level between 10 to 20 mbgl has been observed in major parts of Nagar, Srirampur, Rahata, and isolated patches of Akole, Sangamner Kopargaon Blocks. Deeper water levels of more than 20 m bgl are observed in isolated patches of Akole and Sangamner Blocks. Spatial variation in post monsoon depth to water levels is shown in **Fig. 3.2**.

### 3.1.3 Seasonal Water Level Fluctuation (May-Nov. 2017)

It is observed that minimal water level fluctuation was observed at Ranjangaon, Newasa block (0.02 m) while maximal water level fluctuation was measured at Mahichinchore (Koregaon), Newasa block (16.30 m). Rise in water level has been observed in entire district in the range of Rise 0-2, 2-4, 4-6 and >6 m. The map depicting seasonal fluctuation is shown in **Fig. 3.3**.





**Fig 3.3: Seasonal Fluctuation, shallow aquifer (May-17 vs Nov. 17)**

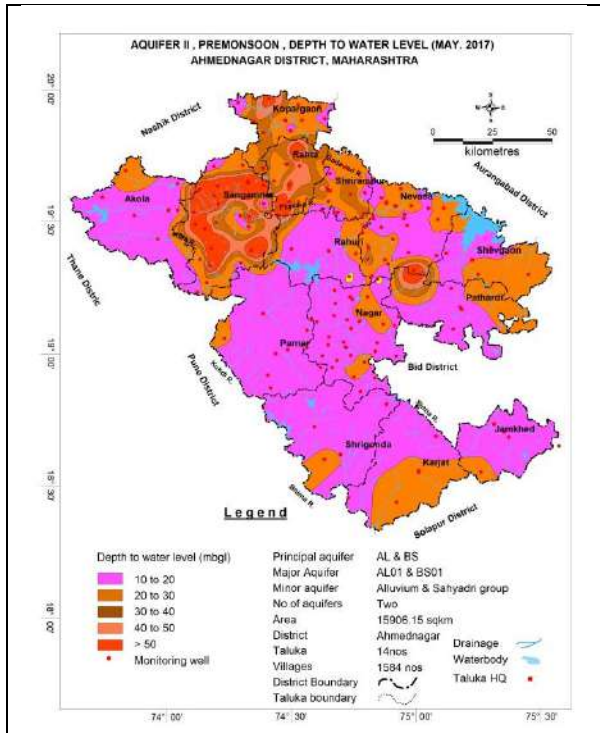
### 3.2 Depth to water level of (Aquifer-II /Deeper Aquifer)

#### 3.2.1 Pre-monsoon Depth to Water Level (May-2017)

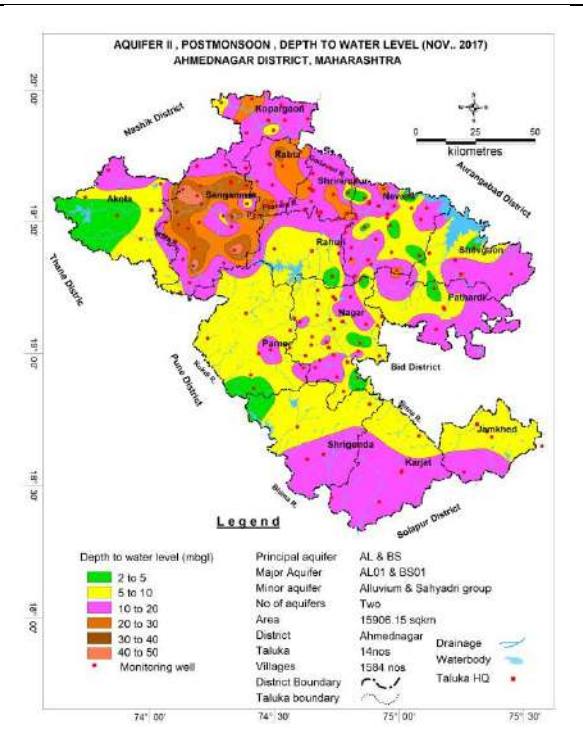
The pre-monsoon depth to water levels in deeper aquifer in Ahmednagar district during May 2017 range from 7.0 (Arangaon, Nagar block) to 75.00 mbgl (Pimpalwadi, Rahata block and Lohare, Ashwi Bk., Sangamner block). The depth to water level between 10 and 20 mbgl is observed Akole, Parner, Nagar, Jamkhed Blocks and parts of Karjat, Rahuri, Newasa, Srigonda and Pathardi. The deepest water level (>30 mbgl) has been observed in Sangamner, Kopargaon, Rahata, Srirampur Blocks. The pre-monsoon depth to water level map of Aquifer-II is given in **Figure 3.4**.

#### 3.2.2 Post-monsoon Depth to Water Level (Nov-2017)

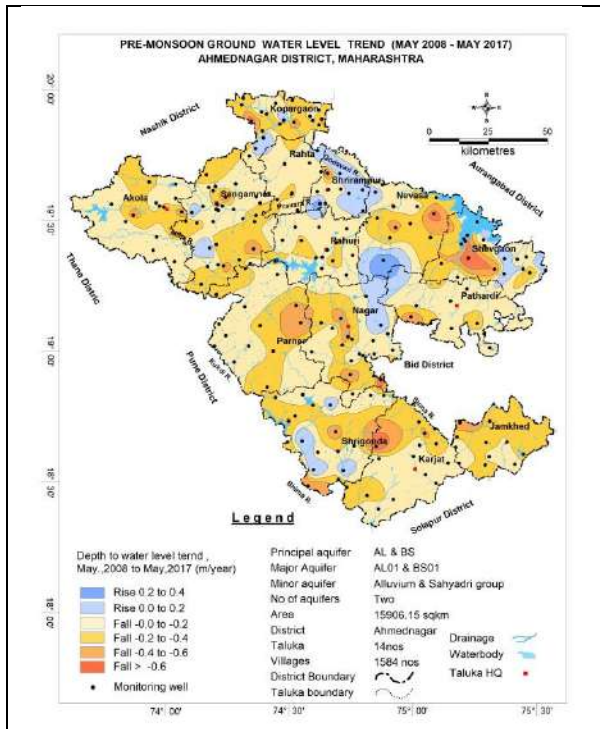
In Aquifer-II, the post-monsoon depth to water levels in Ahmednagar District during Nov. 2017 range between 1.41 (Rajura, Panshet, Akole block) and 45.00 mbgl (Ambikhalsa, Ghulewadi, Kauthe Kamleshwar, Kauthe Malkapur, Nimgaon Bhojapur, Shedgaon, Sangamner block). Depth to water level less than 10 m bgl has been observed in parts of Akole, Shevgaon, Pathardi, Jamkhed, Karjat, Srigonda, Newasa, Rahuri, Nagar and almost entire Parner block. Depth to water level more than 20 mbgl is observed in almost Sangamner block and parts of Rahuri, Kopargaon and Srirampur blocks. The post-monsoon depth to water level map of Aquifer-II is given in **Figure 3.5**.



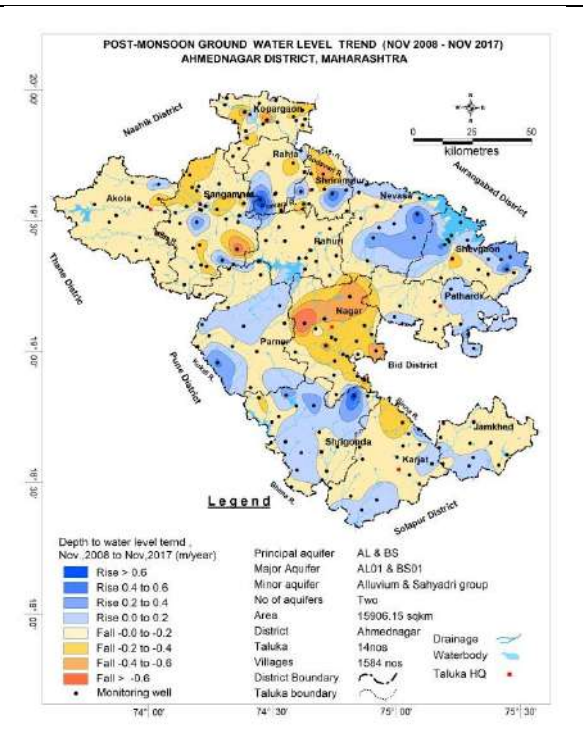
**Figure 3.4: DTWL deeper aquifer (May 2017)**



**Figure 3.5: DTWL deeper aquifer (Nov. 2017)**



**Figure 3.6: Pre-monsoon decadal trend (2008-17)**



**Figure 3.7: Post-monsoon decadal trend (2008-17)**

### 3.3 Water Level Trend (2008-2017)

During pre-monsoon, rise in water level trend has been recorded at 185 stations and ranges from 0.0002 (Sonegaon, Jamkhed block) to 0.77 m/year (Mathpimpri, Ahmednagar block) while falling

trend was observed in 24 stations varying from 0.01 (Mandane Bk, Sangamner block) to 0.3 m/year (Ghodegaon, Newasa block). Fall in water level trend >2 m/year is observed in 6240.04 sq km area. Rise in water level trend has been observed in isolated parts of Srigonda, Sangamner, Ahmednagar, Shevgaon, Kopargaon and Srirampur Blocks (**Figure 3.6**).

During post monsoon, rise in water level trend has been recorded at 163 stations and it ranges between 0.001 m/year (Varvandi Rahuri block) to 0.91 (Jakhangaon, Nagar block) while falling trend was observed in 46 stations varying from 0.001 (Ashwi Kh, Sangamner block) to 0.68 m/year (Loni Kh. Rahata block). Rising water level trend has been observed in all blocks except Nagar, Rahuri, Akole, Jamkhed and Kopargaon. Fall in water level trend >2 m/year is observed in 2213.69 sq km area. Significant decline, more than 0.20 m/year has been observed in almost entire Nagar block and isolated patches in Sangamner, Kopargaon, Srirampur and Karjat block. (**Figure 3.7**).

### 3.4 Hydrograph Analysis

The variation in short term and long-term water level trends may be due to variation in natural recharge due to rainfall and withdrawal of groundwater for various agricultural activities, domestic requirements and industrial needs. The analysis of hydrographs show that the annual rising limbs in hydrographs indicate the natural recharge of groundwater regime due to monsoon rainfall, as the monsoon rainfall is the sole source of natural recharge to the ground water regime (**Figure. 3.8 a to 3.8 g**). However, continuous increase in the groundwater draft is indicated by the recessionary limb.

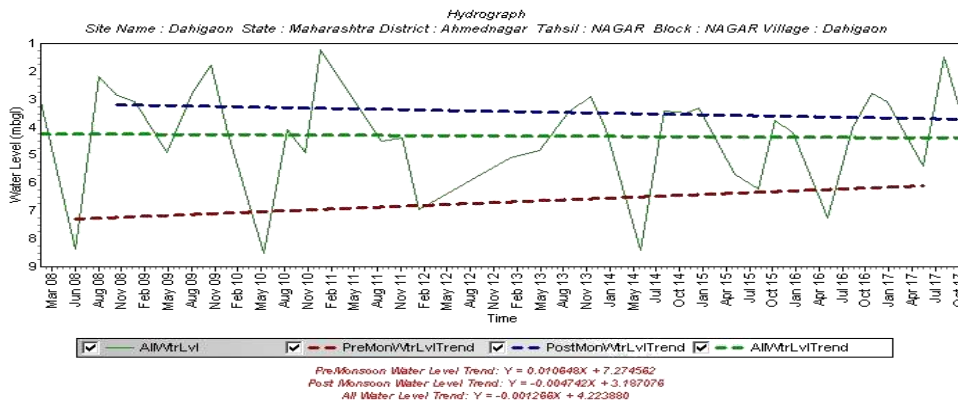


Figure 3.8 a : Hydrograph (2008-17), Dahigaon, Nagar Taluka

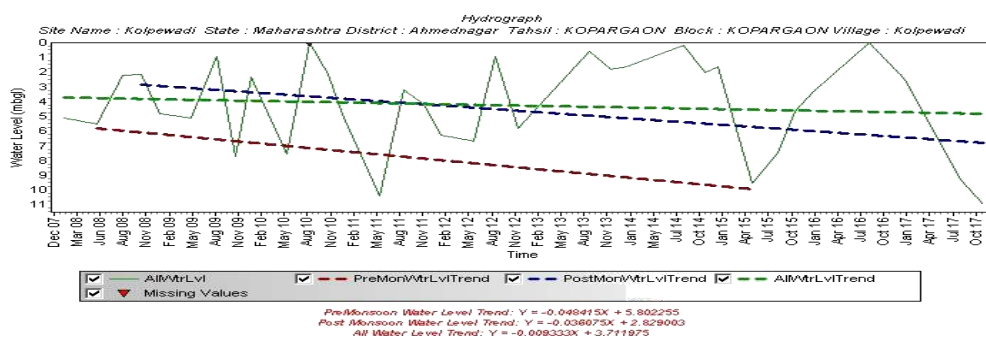


Figure 3.8 b: Hydrograph (2008-17), Kolpewadi, Kopargaon Taluka

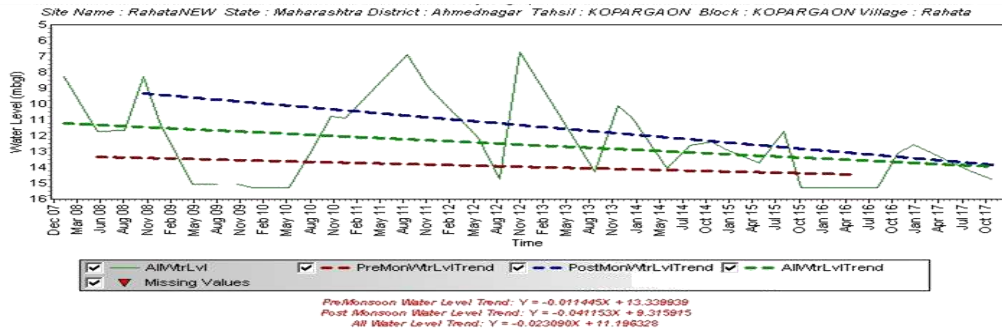


Figure 3.8 c: Hydrograph (2008-17), Rahata, Rahata Taluka

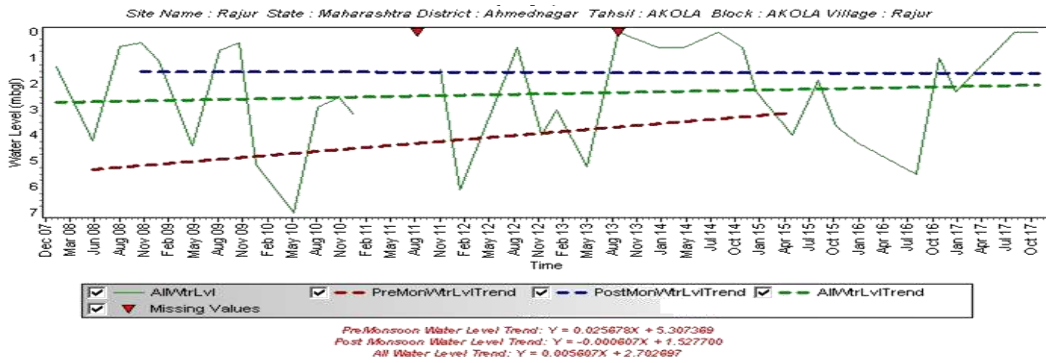


Figure 3.8 d: Hydrograph (2008-17), Rajur, Akole Taluka

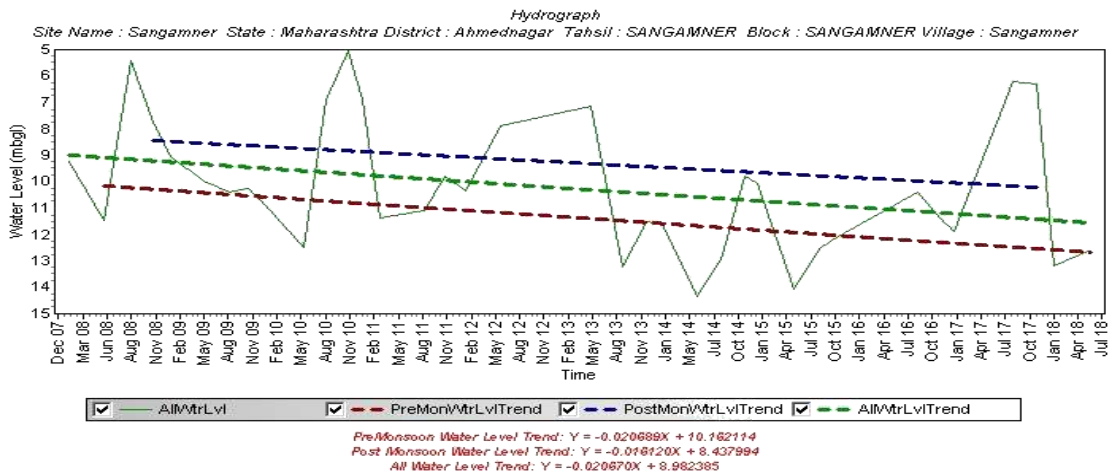


Figure 3.8 e: Hydrograph (2008-17), Sangamner, Sangamner Taluka

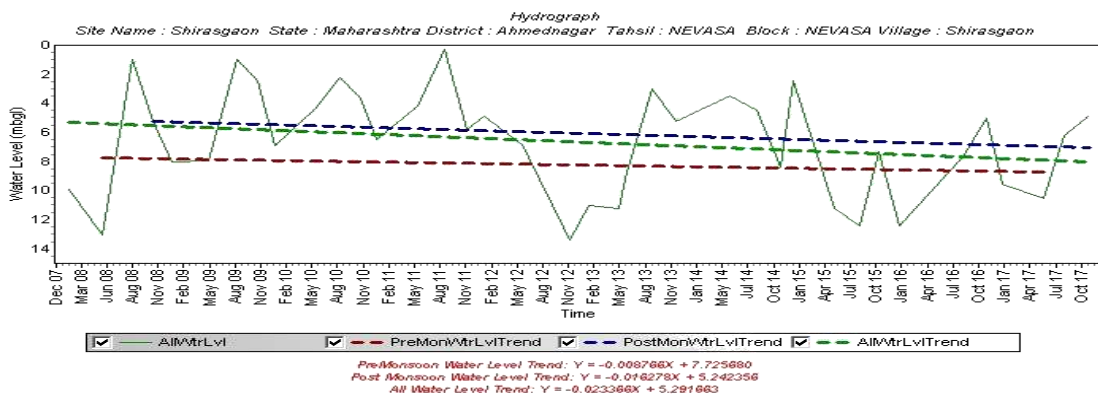
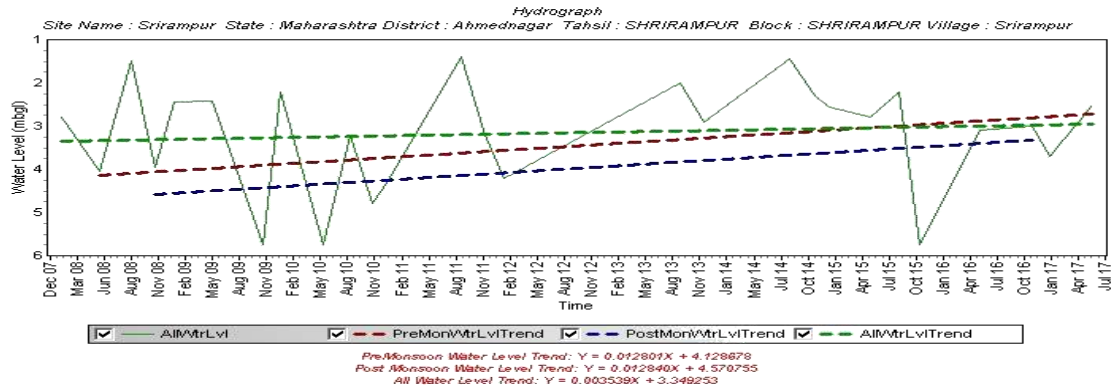


Figure 3.8 f: Hydrograph (2008-17), Sirasgaon, Newasa Taluka



**Figure 3.8 g: Hydrograph (2008-17), Srirampur, Srirampur Taluka**

## 4.0 GROUND WATER QUALITY

Water sampling of Ahmednagar district is being done every year from GWM wells during pre-monsoon period (May). Ground water quality data of 253 monitoring wells of CGWB (GMMW & KOW) and GSDA have been utilised to decipher the quality scenario of shallow aquifer. A total of 149 exploratory wells tubewells/borewells of CGWB and GSDA have been utilised to decipher the quality scenario of deeper aquifer. The aquifer wise ranges of different chemical constituents present in ground water are given in **Table 4.1**. The details of chemical analysis are given in **Annexure V and VI**.

**Table 4.1: Aquifer wise ranges of chemical constituents in Ahmednagar district**

Constituents	Shallow aquifer		Deeper aquifer	
	Min	Max	Min	Max
pH	7	8.69	6.7	9.52
EC	90	9500	240	12500
TDS	48	6747	150	7000
TH	50	4920	15	4040
Calcium	10	800	20	1050
Magnesium	4.8	709	1	345
Potassium	0.01	132	0.39	62.56
Sodium	2.5	2290	7.3	1012
Bi-carbonate	30.50	990.6	30	640.6
Carbonate	0	31.2	0	57
Chloride	10.3	3049	15.56	3943
Sulphate	4	2925	9.84	862.62
Nitrate	1	466.5	1.3	80
Fluoride	0.04	1.2	0.48	0.91

\*BDL- below detection limit

### 4.1 Electrical Conductivity (EC)

#### 4.1.1 Distribution of Electrical Conductivity in Shallow Aquifer

The concentration of EC in shallow aquifer varies between 90 (Rajur, Akole block) and 9500  $\mu\text{S}/\text{cm}$  (Chitali, Srirampur block). Out of 253 samples collected from dug wells, 36 samples are having EC in range of 3000 to 7500  $\mu\text{S}/\text{cm}$  and 4 samples have shown EC > 7500  $\mu\text{S}/\text{cm}$ . Concentration of EC > 3000  $\mu\text{S}/\text{cm}$  has been observed in parts of Nagar, Rahuri, Newasa, Sangamner, Kopargaon and Rahata Blocks. The higher EC values are may be due to the sugar factories. Ground water is potable in southern and south-east part of district. The distribution of electrical conductivity in shallow aquifers is shown in **Figure 4.1** and analytical data is presented in **Table 4.2**.

#### 4.1.2 Distribution of Electrical Conductivity in Deeper Aquifer

The concentration of EC in deeper aquifer varies between 240 (Nagalwadi, Jamkhed block) and 12500  $\mu\text{S}/\text{cm}$  (Nathuchiwadi, Sangamner block). Out of 149 samples collected from tube wells/bore wells, 9 samples are having EC in range of 3000 to 7500  $\mu\text{S}/\text{cm}$  and only 04 sample shows very high EC i.e., > 7500  $\mu\text{S}/\text{cm}$  (Kopargaon and Sangamner block). The distribution of electrical conductivity in deeper aquifers is shown in **Figure 4.2** and analytical data is presented in **Table 4.2**.

**Table 4.2: Aquifer wise Electrical conductivity analytical data**

S.No.	EC ( $\mu\text{S}/\text{cm}$ )	Shallow aquifer		Deeper Aquifer	
		No. of samples	% of samples	No. of samples	% of samples
1	< 250	8	3.16	2	1.34
2	>250-750	56	22.13	44	29.53
3	>750-2250	128	50.59	79	53.02
4	2250-3000	21	8.31	11	7.39
5	3000-7500	36	14.23	9	6.04
6	>7500	4	1.58	4	2.68
<b>Total samples</b>		<b>253</b>	<b>100</b>	<b>149</b>	<b>100</b>

### Nitrate

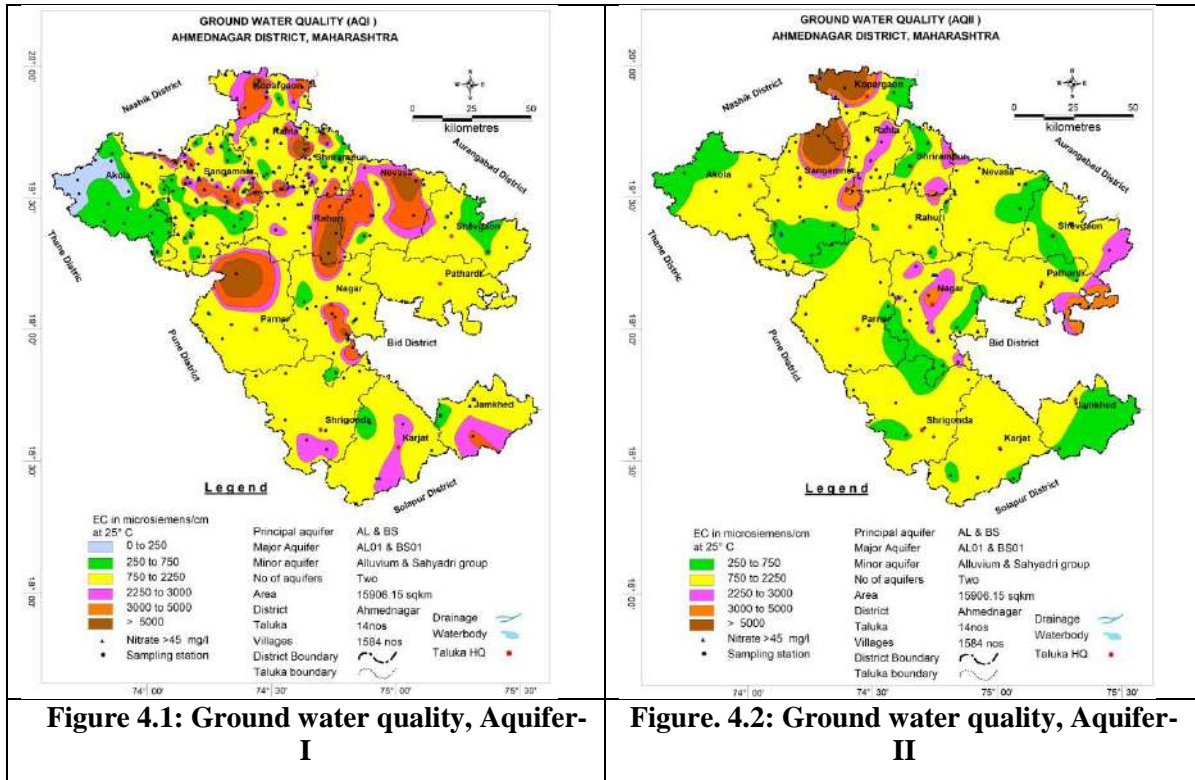
Nitrogen in the form of dissolved nitrate nutrient for vegetation, and the element is essential to all life. The major contribution in ground water is from sewage, waste disposal, nitrate fertilizer and decaying of organic matter. In Ahmednagar district nitrate concentration varies between 4 to 330 mg/l. As per BIS (2012) the desirable limit is 45 mg/l. In shallow aquifer, 253 samples were analyzed; out of this, 51 water samples show the nitrate concentrations exceeding the desirable limit of 45 mg/l. The high concentration of Nitrate may be due to domestic waste and sewage in the urban and rural parts of district. In deeper aquifer, 149 wells were analyzed, out of this 13 water samples show nitrate concentration exceeding the desirable limit of 45 mg/l. The deeper aquifer are also affected by nitrate contamination, it may be due to percolation of nitrate contaminants from the ground surface to deeper aquifers. Aquifer wise nitrate concentration is given in **Table 4.3**.

### Fluoride

In shallow aquifer, concentration of fluoride ranges from BDL to 1.2 mg/l. out of 253 samples were analyzed, only two samples show fluoride concentration more than 1 mg/l. In Deeper Aquifer, concentration of fluoride ranges from BDL to 1.1 mg/l. Out of 149 samples analyzed, one samples show fluoride concentration more than 1 mg/l. Aquifer wise fluoride concentration is given in **Table 4.3**.

**Table 4.3: Aquifer wise Nitrate and Fluoride concentration**

Aquifer	$\text{No}_3 > 45 \text{ mg/l}$		Fluoride >1 mg/l	
	Total Samples	No of samples	Total Samples	No of samples
Shallow Aquifer	253	51	253	2
	Total Samples	No of samples	Total Samples	No of samples
Deeper Aquifer	149	22	149	2



#### 4.2 Suitability of Ground Water for Drinking Purpose

In shallow aquifer, 98.42 % of samples have TDS concentration above the Desirable limit (DL) but below the MPL. The water from such area is not fit for drinking purpose if directly consumed without treatment. It is also seen that about 0 to 22 % samples are beyond the maximum permissible limit for the parameters like TH, Ca, Mg, Cl, SO<sub>4</sub> and NO<sub>3</sub> indicating that the water is not suitable for drinking purpose. Concentration of Chemical constituents in shallow Aquifer is given in **Table 4.4**.

In Deeper aquifer, 7 % samples are having TDS more than maximum permissible limit (MPL) and 60 % of samples have TDS concentration above the Desirable limit (DL) but below the MPL. The water from such area is not fit for drinking purpose if directly consumed without treatment. It is also seen that about 2 to 14 % samples are beyond the maximum permissible limit for the parameters like TH, Ca, Mg, Cl, SO<sub>4</sub> and NO<sub>3</sub> indicating that the water is not suitable for drinking purpose. Concentration of Chemical constituents in Deeper Aquifer is given in **Table 4.5**.

**Table 4.4: Concentration of Chemical constituents in Shallow Aquifer**

Parameter	Drinking water Standards (IS-10500-2012)		Total no of ground water samples	Shallow aquifer					
	DL	MPL		Samples (<DL)		Samples (DL-MPL)		Samples (>MPL)	
				No	%	No	%	No	%
pH	6.5	8.5	253	0	0	252	99.60	1	0.40
TDS	500	2000	253	4	1.58	249	98.42	0	0
TH	300	600	253	15	5.93	223	88.16	15	5.93
Ca (mg/L)	75	200	253	136	53.75	93	36.76	24	9.09
Mg (mg/L)	30	100	253	54	21.34	144	56.92	55	21.74
Cl (mg/L)	250	1000	253	173	68.38	65	25.69	15	5.93
SO <sub>4</sub> (mg/L)	200	400	253	161	63.64	41	16.21	51	20.15
NO <sub>3</sub> (mg/L)	45	No relaxation	253	202	79.84	-	-	51	20.16
F (mg/L)	1	1.5	253	251	99.21	2	0.79	0	0

(Here, DL- Desirable Limit, MPL- Maximum Permissible Limit)

**Table 4.5: Concentration of Chemical constituents in Deeper Aquifer**

Parameter	Drinking water Standards (IS-10500-2012)		Total no of ground water samples	Deeper aquifer					
				Samples (<DL)		Samples (DL-MPL)		Samples (>MPL)	
	DL	MPL		No	%	No	%	No	%
pH	6.5	8.5	149	0	0	145	97.32	4	2.68
TDS	500	2000	149	49	32.89	89	59.73	11	7.38
TH	300	600	149	71	47.65	52	34.90	26	17.45
Ca (mg/L)	75	200	149	94	63.09	41	27.52	14	9.39
Mg (mg/L)	30	100	149	72	48.32	64	42.95	13	8.73
Cl (mg/L)	250	1000	149	103	69.13	40	26.85	6	4.02
SO <sub>4</sub> (mg/L)	200	400	149	101	67.79	29	19.46	19	12.75
NO <sub>3</sub> (mg/L)	45	No relaxation	149	127	85.23	-	-	22	14.77
F (mg/L)	1	1.5	149	147	98.66	2	1.34	0	0

(Here, DL- Desirable Limit, MPL- Maximum Permissible Limit)

### 4.3 Suitability of Ground Water for Irrigation

The quality of Irrigation water affects the productivity, yield and quality of the crops. The quality of irrigation water depends primarily on the presence of dissolved salts and their concentrations. The Electrical Conductivity (EC), Sodium Absorption Ratio (SAR) and Residual Sodium Carbonate (RSC) are the most important quality criteria, which assess the water quality and its suitability for irrigation.

#### Electrical Conductivity (EC)

The amount of dissolved ions in the water is represented by the electrical conductivity. The classification of water for irrigation based on the EC values is given in **Table 4.6** and discussed as follows: -  
**Low Salinity Water (EC: 100-250  $\mu\text{S/cm}$ ):** This water can be used for irrigation with most crops on most soils with little likelihood that salinity will develop.

**Medium Salinity Water (EC: 250 – 750  $\mu\text{S/cm}$ ):** This water can be used if moderate amount of leaching occurs. Plants with moderate salt tolerance can be grown in most cases without special practices for salinity control.

**High Salinity Water (EC: 750 – 2250  $\mu\text{S/cm}$ ):** This water cannot be used on soils with restricted drainage. Even with adequate drainage, special management for salinity control may be required and plants with good salt tolerance should be selected.

**Very High Salinity Water (EC: >2250  $\mu\text{S/cm}$ ):** This water is not suitable for irrigation under ordinary condition. The soils must be permeable, drainage must be adequate, irrigation water must be applied in excess to provide considerable leaching and very salt tolerant crops should be selected.

**Table 4.6: Classification of Ground water for Irrigation based on EC values**

S. No	Water Quality Type	EC in $\mu\text{S/cm}$	Shallow aquifer		Deeper Aquifer	
			No. of Samples	% of samples	No. of samples	% of samples
1	Low Salinity Water	< 250	8	3.16	2	1.34
2	Medium Salinity Water	>250-750	56	22.13	43	28.86
3	High Salinity Water	>750-2250	128	50.59	80	53.69
4	Very High Salinity Water	> 2250	61	24.12	24	16.11
<b>Total</b>			<b>253</b>	<b>100</b>	<b>149</b>	<b>100</b>

In shallow aquifer, maximum numbers of samples fall under the category of high to very high salinity type of water. In deeper Aquifer, maximum numbers of samples fall under the category of medium to high salinity type of water. The areas where very high salinity prevails (>2250  $\mu\text{S/cm}$ ), ground water can be used for irrigation for very high salt tolerant crops and with proper soil and crop management practices



## 5.0 GROUND WATER RESOURCES

### 5.1 Ground Water Resources – Aquifer-I

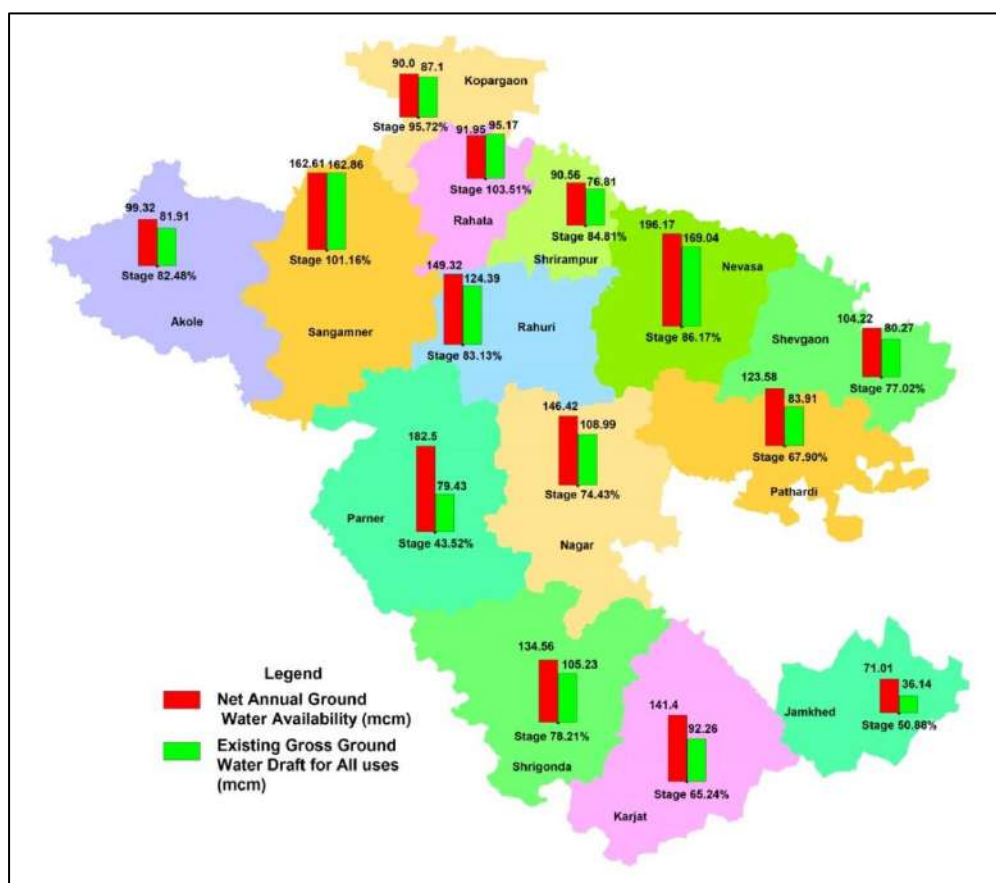
Central Ground Water Board and Ground Water Survey and Development Agency (GSDA) have jointly estimated the ground water resources of Ahmednagar district based on GEC-97 methodology. Block wise ground water resources are given in **Table 5.1**, and graphical representations of the resources on the map are shown in **Figure 5.1**.

Ground Water Resources estimation was carried out for 16762.89 sq. km. area out of which 3662.03 sq. km. is under command and 11724.29 sq. km. is non-command. About 238.43 sq. km. area has poor ground water quality area and that area is not considered for resource estimation. As per the estimation, the net annual ground water availability comes to be 1784.938 MCM. The gross draft for all uses is estimated at 1383.527 MCM with irrigation sector being the major consumer having a draft of 1335.593 MCM. The domestic and industrial water requirements are worked at 87.4536 MCM. The net ground water availability for future irrigation is estimated at 436.06 MCM.

**Table 5.1 Ground water resources, Aquifer-I (Shallow aquifer), Ahmednagar district (2013)**

Administrative Unit	Command / Non-Command / Total	Net Annual Ground Water Availability (ham)	Existing Gross Ground Water Draft for irrigation (ham)	Existing Gross Ground Water Draft for domestic and industrial water supply (ham)	Existing Gross Ground Water Draft for All uses (ham)	Provision for domestic and industrial requirement supply to 2025 (ham)	Net Ground Water Availability for future irrigation development (ham)	Stage of Ground Water Development % /Category
Akole	Command	851.92	411.92	18.75	430.67			82.48/ safe
Akole	Non Command	9080.34	7242.44	518.72	7761.16			
<b>Akole</b>	<b>Total</b>	<b>9932.26</b>	<b>7654.36</b>	<b>537.47</b>	<b>8191.83</b>	<b>881.25</b>	<b>2321.88</b>	
Jamkhed	Command							20.88/ safe
Jamkhed	Non Command	7101.28	3395.03	218.45	3613.48			
<b>Jamkhed</b>	<b>Total</b>	<b>7101.28</b>	<b>3395.03</b>	<b>218.45</b>	<b>3613.48</b>	<b>436.91</b>	<b>3269.34</b>	
Karjat	Command	985.56	159.95	9.13	169.08			65.25/ safe
Karjat	Non Command	13154.86	8896.75	160.72	9057.47			
<b>Karjat</b>	<b>Total</b>	<b>14140.42</b>	<b>9056.70</b>	<b>169.84</b>	<b>9226.54</b>	<b>339.69</b>	<b>4744.03</b>	
Kopargaon	Command	4815.10	4278.17	114.05	4392.22			97.72/ semi-critical
Kopargaon	Non Command	4284.52	4071.34	246.75	4318.09			
<b>Kopargaon</b>	<b>Total</b>	<b>9099.63</b>	<b>8349.51</b>	<b>360.79</b>	<b>8710.31</b>	<b>688.17</b>	<b>900.46</b>	
Nagar	Command							74.44/ safe
Nagar	Non Command	14641.61	10573.05	325.76	10898.80			
<b>Nagar</b>	<b>Total</b>	<b>14641.61</b>	<b>10573.05</b>	<b>325.76</b>	<b>10898.80</b>	<b>646.67</b>	<b>3589.92</b>	
Newasa	Command	14280.54	11737.52	206.91	11944.43			86.17/ semi-critical
Newasa	Non Command	5336.85	4819.63	139.88	4959.51			
<b>Newasa</b>	<b>Total</b>	<b>19617.39</b>	<b>16557.15</b>	<b>346.79</b>	<b>16903.94</b>	<b>623.59</b>	<b>2802.67</b>	
Parner	Command	5344.86	2834.13	158.95	2993.08			43.52/ safe
Parner	Non Command	12904.91	4570.90	378.97	4949.87			
<b>Parner</b>	<b>Total</b>	<b>18249.78</b>	<b>7405.02</b>	<b>537.92</b>	<b>7942.94</b>	<b>1073.72</b>	<b>9772.04</b>	
Pathardi	Command	4669.36	2870.69	91.42	2962.10			67.90/ safe
Pathardi	Non Command	7688.12	5126.52	302.12	5428.64			
<b>Pathardi</b>	<b>Total</b>	<b>12357.48</b>	<b>7997.21</b>	<b>393.54</b>	<b>8390.75</b>	<b>806.67</b>	<b>3342.37</b>	
Rahuri	Command	9990.67	6499.49	155.40	6654.89			83.13/ safe
Rahuri	Non Command	4972.56	5637.82	145.91	5783.73			
<b>Rahuri</b>	<b>Total</b>	<b>14963.23</b>	<b>12137.31</b>	<b>301.32</b>	<b>12438.62</b>	<b>502.92</b>	<b>2863.73</b>	
Rahata	Command	7608.63	7583.60	142.19	7725.79			103.51/ over-exploited
Rahata	Non Command	1586.44	1759.81	31.86	1791.67			
<b>Rahata</b>	<b>Total</b>	<b>9195.07</b>	<b>9343.40</b>	<b>174.05</b>	<b>9517.46</b>	<b>303.19</b>	<b>433.79</b>	
Sangamner	Command	2033.84	2448.43	58.04	2506.46			100.15/ over-exploited
Sangamner	Non Command	14227.15	13208.74	570.92	13779.65			
<b>Sangamner</b>	<b>Total</b>	<b>16260.98</b>	<b>15657.17</b>	<b>628.95</b>	<b>16286.12</b>	<b>854.25</b>	<b>2836.61</b>	
Shevgaon	Command	867.08	699.66	13.39	713.06			77.02/ safe

Administrative Unit	Command / Non-Command / Total	Net Annual Ground Water Availability (ham)	Existing Gross Ground Water Draft for irrigation (ham)	Existing Gross Ground Water Draft for domestic and industrial water supply (ham)	Existing Gross Ground Water Draft for All uses (ham)	Provision for domestic and industrial requirement supply to 2025 (ham)	Net Ground Water Availability for future irrigation development (ham)	Stage of Ground Water Development % /Category
Shevgaon	Non Command	9555.38	7008.28	306.12	7314.40			
<b>Shevgaon</b>	<b>Total</b>	<b>10422.46</b>	<b>7707.94</b>	<b>319.51</b>	<b>8027.45</b>	<b>595.76</b>	<b>2646.26</b>	
Shrigonda	Command	4183.77	3904.76	84.16	3988.92			<b>78.21 semi-critical</b>
Shrigonda	Non Command	9271.90	6381.69	152.67	6534.37			
<b>Shrigonda</b>	<b>Total</b>	<b>13455.67</b>	<b>10286.45</b>	<b>236.83</b>	<b>10523.29</b>	<b>441.66</b>	<b>2932.11</b>	
Shrirampur	Command	7402.57	5965.36	179.64	6145.00			<b>84.81/ safe</b>
Shrirampur	Non Command	1653.95	1433.67	102.52	1536.20			
<b>Shrirampur</b>	<b>Total</b>	<b>9056.52</b>	<b>7399.03</b>	<b>282.17</b>	<b>7681.19</b>	<b>550.91</b>	<b>1150.79</b>	
<b>Total (ham)</b>		<b>178493.8</b>	<b>133519.3</b>	<b>4833.39</b>	<b>138352.69</b>	<b>8745.36</b>	<b>43606</b>	<b>77.51</b>
<b>Total (MCM)</b>		<b>1784.938</b>	<b>1335.193</b>	<b>48.334</b>	<b>1383.527</b>	<b>87.4536</b>	<b>436.06</b>	



**Figure 5.1: Ground Water Resources (2013), Ahmednagar district**

## 5.2 Ground Water Resources – Aquifer-II

The ground water resources of Aquifer-II (Basalt) were also assessed to have the correct quantification of resources so that proper management strategy can be framed. The total resources of aquifer-II have been estimated as 249.20 MCM. Block wise summarized Ground Water Resources of Aquifer-II is given in **Table 5.2**.

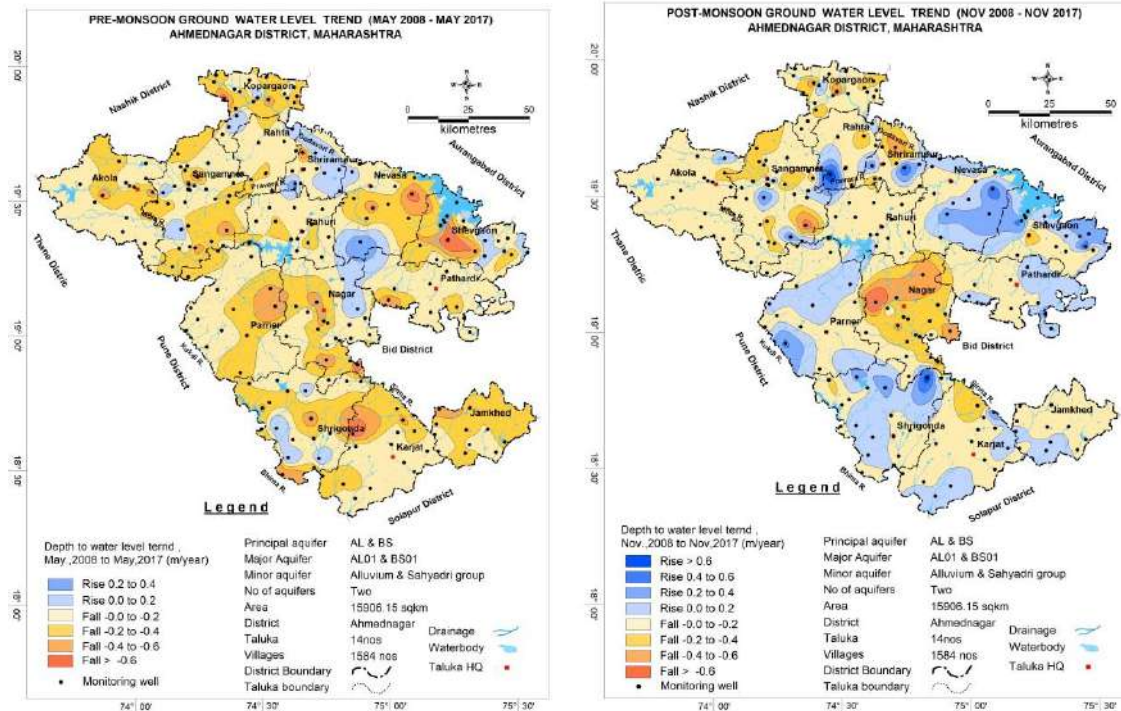
**Table 5.2: Ground Water Resources of Aquifer-II (Deeper aquifer)**

Taluka	Mean thickness (m)	Area in sqkm	Piezometric head meter above bottom of confining layer	Sy	S	Resource in above confining layer (mcm)	Resource in confining layer (mcm)	Total resource (mcm)
Akole	0.5	193.955	50	0.009	0.00002	0.193955	0.8727975	1.0667525
Akole	2	1014.93	55	0.005	0.0000052	0.29026998	10.1493	10.43957
Akole	4.5	24.333	20	0.002	0.000054	0.02627964	0.218997	0.24527664
<b>Akole</b>								<b>11.75</b>
Karjat	2	837.171	50	0.005	0.000057	2.38593735	8.37171	10.7576474
Karjat	4.5	356.336	55	0.009	0.00002	0.3919696	14.431608	14.8235776
Karjat	7.5	167.64	60	0.002	0.0000052	0.05230368	2.5146	2.56690368
Karjat	10.5	32.5109	25	0.005	0.000054	0.043889715	1.70682225	1.75071197
<b>Karjat</b>								<b>29.9</b>
Kopargaon	0.5	233.167	15	0.009	0.000057	0.199357785	1.0492515	1.24860929
Kopargaon	2	248.723	25	0.005	0.000057	0.354430275	2.48723	2.84166028
Kopargaon	4.5	184.552	15	0.002	0.000057	0.15779196	1.660968	1.81875996
<b>Kopargaon</b>								<b>5.9</b>
Nagar	0.5	828.6	15	0.009	0.0000052	0.0646308	3.7287	3.7933308
Nagar	2	383.289	25	0.005	0.0000052	0.04982757	3.83289	3.88271757
Nagar	4.5	108.776	25	0.002	0.000054	0.1468476	0.978984	1.1258316
Nagar	7.5	12.15	25	0.009	0.000057	0.01731375	0.820125	0.83743875
Nagar	10.5	61.3427	45	0.005	0.00002	0.05520843	3.22049175	3.27570018
<b>Nagar</b>								<b>12.91</b>
Nevasa	0.5	131.389	25	0.002	0.00002	0.0656945	0.131389	0.1970835
Nevasa	2	663.494	35	0.005	0.00002	0.4644458	6.63494	7.0993858
Nevasa	4.5	560.242	35	0.002	0.00002	0.3921694	5.042178	5.4343474
<b>Newasa</b>								<b>12.73</b>
Parner	0.5	61.322	60	0.009	0.000057	0.20972124	0.275949	0.48567024
Parner	2	1086.13	25	0.005	0.0000052	0.1411969	10.8613	11.0024969
Parner	4.5	626.446	15	0.002	0.0000052	0.048862788	5.638014	5.68687679
<b>Parner</b>								<b>17.17</b>
Pathardi	2	526.436	25	0.005	0.000054	0.7106886	5.26436	5.9750486
Pathardi	4.5	583.21	60	0.009	0.000054	1.8896004	23.620005	25.5096054
<b>Pathardi</b>								<b>31.48</b>
Rahata	0.5	105.076	25	0.005	0.000057	0.1497333	0.26269	0.4124233
Rahata	2	223.35	15	0.002	0.000057	0.19096425	0.8934	1.08436425
Rahata	4.5	290.421	25	0.009	0.000057	0.413849925	11.7620505	12.1759004
Rahata	7.5	35.8129	50	0.005	0.0000052	0.009311354	1.34298375	1.3522951
<b>Rahata</b>								<b>15.02</b>
Rahuri	2	264.915	55	0.002	0.0000052	0.07576569	1.05966	1.13542569
Rahuri	4.5	669	50	0.009	0.000054	1.8063	27.0945	28.9008
<b>Rahuri</b>								<b>30.03</b>
Sangamner	0.5	598.176	55	0.005	0.000057	1.87528176	1.49544	3.37072176
Sangamner	2	886.08	25	0.002	0.00002	0.44304	3.54432	3.98736
Sangamner	4.5	334.745	15	0.006	0.00002	0.1004235	9.038115	9.1385385
<b>Sangamner</b>								<b>16.49</b>
Shevgaon	0.5	204.483	25	0.009	0.00002	0.1022415	0.9201735	1.022415
Shevgaon	2	536.916	15	0.005	0.00002	0.1610748	5.36916	5.5302348
Shevgaon	4.5	204.388	15	0.002	0.000057	0.17475174	1.839492	2.01424374
<b>Shevgaon</b>								<b>8.56</b>
Shrigonda	2	712.947	25	0.009	0.0000052	0.09268311	12.833046	12.9257291
Shrigonda	4.5	457.224	25	0.005	0.0000052	0.05943912	10.28754	10.3469791
Shrigonda	7.5	140.012	25	0.002	0.000054	0.1890162	2.10018	2.2891962
Shrigonda	10.5	46.7472	45	0.009	0.000057	0.119906568	4.4176104	4.53751697
<b>Shrigonda</b>								<b>30.09</b>
Shrirampur	0.5	234.121	25	0.005	0.000057	0.333622425	0.5853025	0.91892493
Shrirampur	2	304.443	35	0.002	0.000057	0.607363785	1.217772	1.82513579
Shrirampur	4.5	25.2377	35	0.005	0.0000052	0.004593261	0.56784825	0.57244151
Shrirampur	7.5	19.59866	35	0.009	0.0000052	0.003566956	1.32290955	1.32647651
<b>Shrirampur</b>								<b>4.64</b>
Jamkhed	4.5	686.03	25	0.007	0.000054	0.9261405	21.609945	22.53
<b>District Total</b>								<b>249.20</b>

## 6.0 GROUND WATER RELATED ISSUES

### 6.1 Declining Water Levels

The ground water exploitation has resulted in decline of water levels over the period of time. In premonsoon season, decline more than 0.20 m/year has been observed in 6240.04 sq km, i.e., 39 % area covering parts of Kopergaon, Akole, Sangamner, Newasa, Shevgaon, Parner, Nagar, Srigonda and Jamkhed blocks. In post monsoon season, decline of more than 0.20 m/year has been observed in 2213.69 sq km, i.e., 13.92 %. Significant decline, more than 0.20 m/year has been observed in almost entire Nagar block and isolated patches in Sangamner, Kopergaon, Srirampur and Karjat block.



**Pre-monsoon Fall @>0.2/year 6240.04 Sq km      Post-monsoon Fall@>0.2/year 2213.69 Sq km**

### 6.2 Rainfall and Droughts

Based on the long term rainfall analysis from 1901 to 2017 it is observed that Nagar, Newasa and Kopergaon Blocks experienced declining rainfall trend. Severe droughts have been observed in Nagar and Kopergaon for 5 times, Akole and Sangamner for 6 times Newasa for 7 times with exception of Rahata block which has never experienced severe drought conditions, however it has experienced Moderate droughts for 4 times.

### 6.3 Over-exploitation

Over exploitation has been observed in Sangamner and Rahata blocks where the stage of ground water development is 100.15 % and 103.51 % respectively. However, the stage of ground water development in Kopergaon and Newasa blocks is 97.72 % and 86.17 % respectively which is categorised as semi-critical. In these blocks, declining ground water level trend has been observed both in pre and post monsoon season.

## 7.0 GROUND WATER MANAGEMENT PLAN

The management plan has been proposed to manage the ground water resources and to arrest further decline in water levels. The management plan comprises two components namely supply-side management and demand side management. The supply side management is proposed based on surplus surface water availability and the unsaturated thickness of aquifer whereas the demand side management is proposed by use of micro irrigation techniques and change in cropping pattern.

### 7.1 Supply Side Management

The supply side management of ground water resources can be done through the artificial recharge of surplus runoff available within river sub basins and micro watersheds. Also, it is necessary to understand the unsaturated aquifer volume available for recharge. The unsaturated volume of aquifer was computed based on the area feasible for recharge, unsaturated depth below 5 mbgl and the specific yield of the aquifer. The **Table 7.1** gives the block wise volume available for the recharge.

**Table 7.1: Area feasible and volume available for Artificial Recharge**

Block	Geographical Area (sq. km.)	Area feasible for recharge (sq. km.)	Unsaturated Volume (MCM)
Akole	1659.83	641.34	1282.68
Nagar	1394.25	1167.73	2335.46
Newasa	1355.16	947.14	1894.28
Kopargaon	666.43	638.10	1276.19
Srirampur	583.16	86.87	173.73
Rahata	654.48	438.85	877.69
Sangamner	1819.43	1662.26	1894.28
<b>Total</b>	<b>8132.74</b>	<b>5582.28</b>	<b>9734.31</b>

The total unsaturated volume available for artificial recharge is 9734.31 MCM and it ranges from 173.73 MCM in Srirampur block to 2335.46 MCM in Nagar block. The available surplus runoff can be utilized for artificial recharge through construction of percolation tanks and Check dams.

Thus, after taking into consideration all the factors, 129.07 MCM of surplus water can be utilised for recharge, which is given in **Table 7.2**. This surplus water can be utilized by constructing 1265 check dams and 453 percolation tanks at suitable sites. The number of feasible artificial recharge structures was calculated by considering 0.20 MCM per percolation tanks and 0.03 MCM per check dam. This intervention should lead to recharge @ 75% efficiency of about 96.41 MCM/year. Tentative locations of these structures are given in **Figure. 7.1** and details are given in **Annexures VII and VIII**.

The rainwater harvesting in urban areas can be adopted in 25% of the household with 50 sq.m roof area. A total of 6.85 MCM potential can be generated by taking 80% runoff coefficient with a cost estimate of 485.84 corers. Hence it is not economically viable and not recommended.

**Table 7.2: Proposed Artificial Recharge Structures**

Block	Geographical Area (sq. km.)	Area feasible for recharge (sq. km.)	Unsaturated Volume (MCM)	Surplus water available for AR (MCM)	Proposed number of structures		Total Volume of Water expected to be recharged @ 75 % efficiency (MCM)		Total recharge d @ 75 % efficiency (MCM)
					PT	CD	PT	CD	
Akole	1659.83	641.34	1282.68	14.81	52	147	7.80	3.31	<b>11.11</b>
Nagar	1394.25	1167.73	2335.46	26.97	94	263	14.10	5.92	<b>20.02</b>
Newasa	1355.16	947.14	1894.28	22	79	200	11.85	4.5	<b>16.35</b>
Kopargaon	666.43	638.10	1276.19	14.74	52	145	7.8	3.26	<b>11.06</b>
Srirampur	583.16	86.87	173.73	2.01	7	20	1.05	0.45	<b>1.50</b>
Rahata	654.48	438.85	877.69	10.14	35	104	5.25	2.34	<b>7.59</b>
Sangamner	1819.43	1662.26	1894.28	38.4	134	386	20.10	8.68	<b>26.78</b>

Block	Geographical Area (sq. km.)	Area feasible for recharge (sq. km.)	Unsaturated Volume (MCM)	Surplus water available for AR (MCM)	Proposed number of structures		Total Volume of Water expected to be recharged @ 75 % efficiency (MCM)		Total recharge d @ 75 % efficiency (MCM)
					PT	CD	PT	CD	
Total	8132.74	5582.28	9734.31	129.07	453	1265	67.95	28.46	96.41

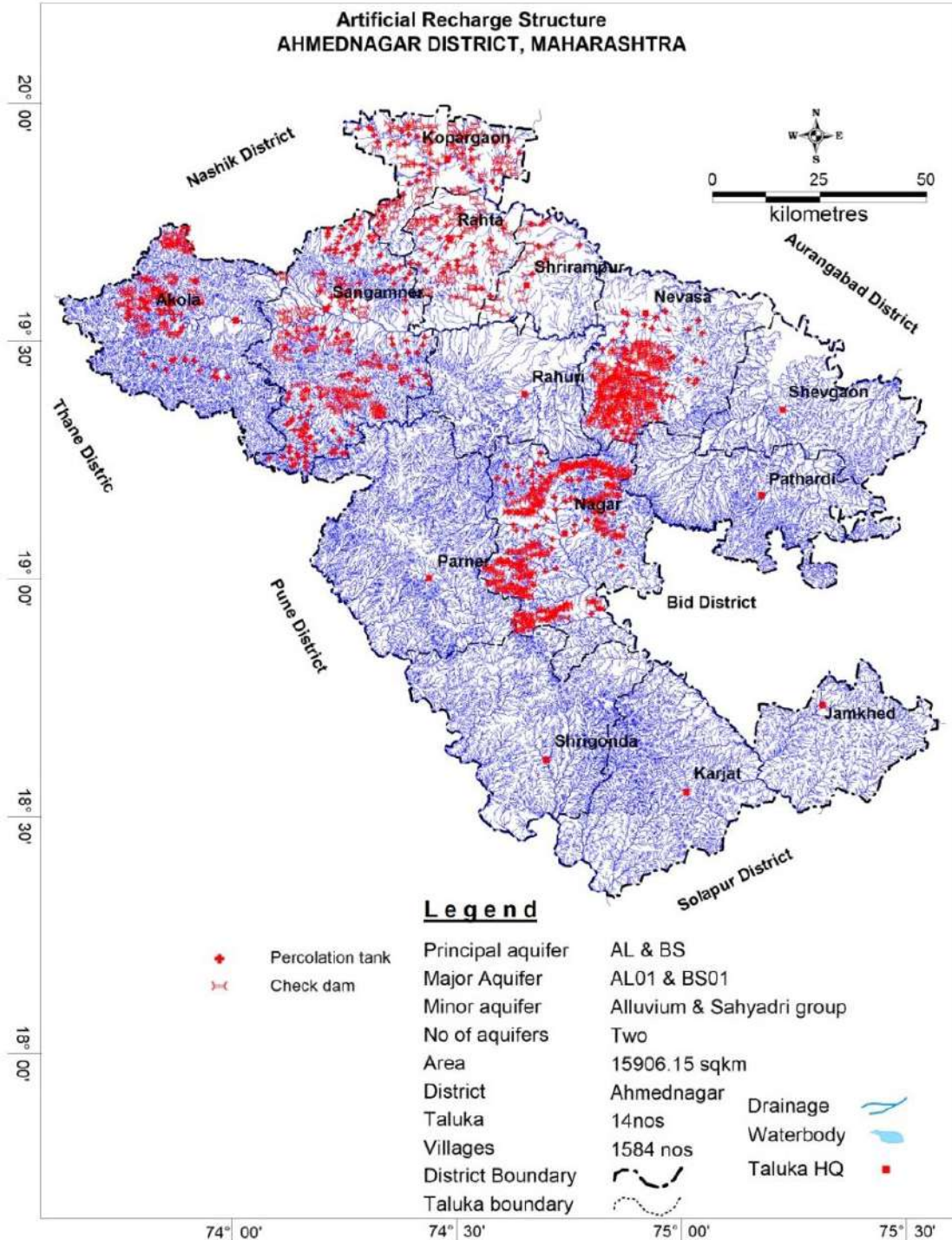
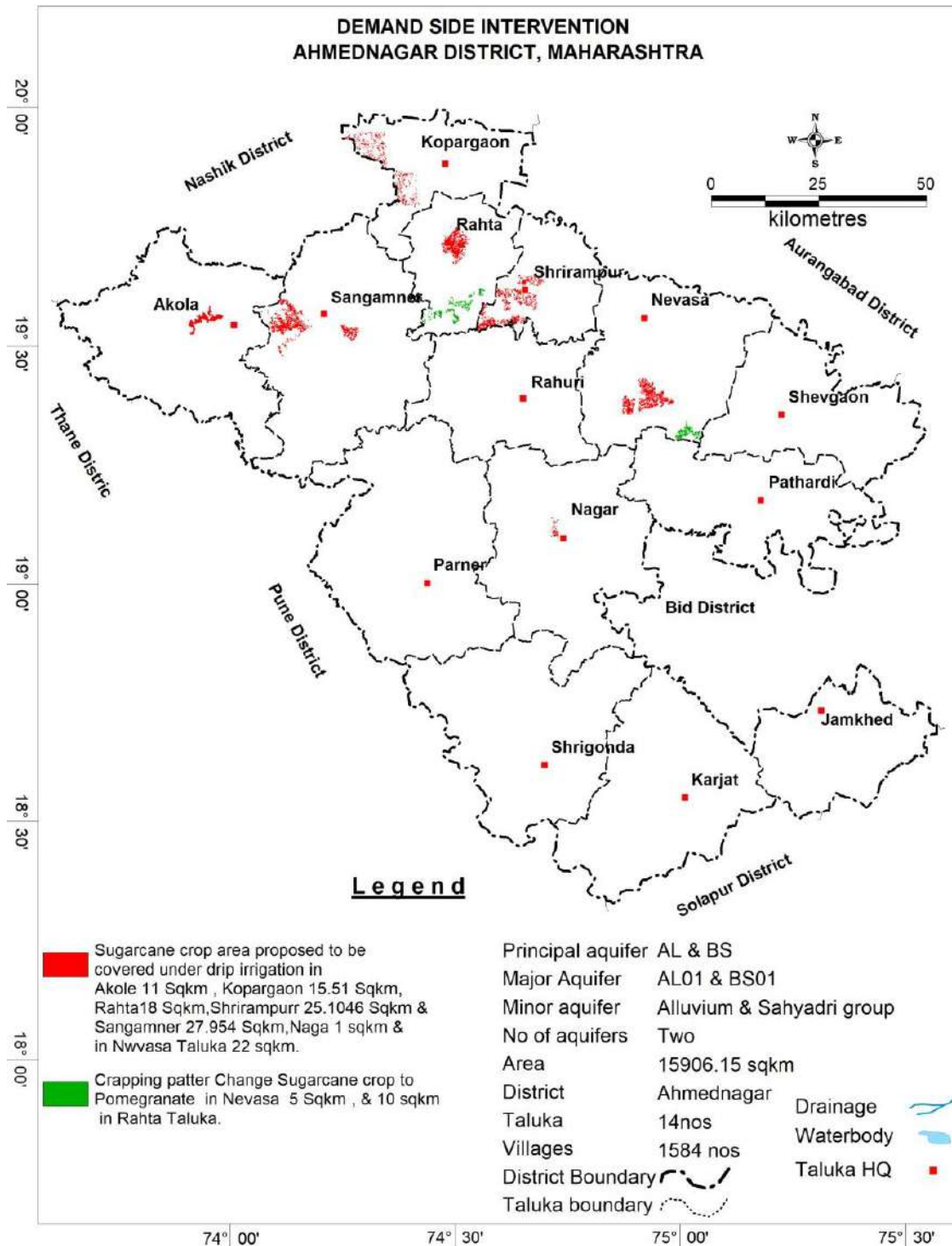


Figure 7.1: Location of Proposed Artificial Recharge structures

## 7.2 Demand Side Management

Considering the stage of ground water development in the district, demand side interventions have not been proposed. However, this is the right time to further enhance the micro irrigation

practices in the selected areas to manage the resources perceiving the future demand of resources. The map showing sugarcane area proposed to cover under drip irrigation and change in cropping pattern from sugarcane to pomegranate is shown in **Figure. 7.2**.



**Figure 7.2: Location of sugarcane area proposed under drip irrigation**

### 7.3 Expected Benefits

The impact of groundwater management plans on the groundwater system in the district after its implementation is evaluated and the outcome shows significant improvement in groundwater scenario in all Blocks as given in the **Table 7.3**.

**Table 7.3: Expected benefits after management options**

Block	Water Recharged by Supply side intervention (MCM)	Water saving by demand side interventions (MCM)		Expected stage of Development (%)
		Cropping Pattern change	Micro Irrigation	
Akole	11.11	-	5.13	<b>74.18</b>
Nagar	20.02	-	0.57	<b>65.48</b>
Newasa	16.35	8.25	17.10	<b>79.53</b>
Kopargaon	11.06	-	8.84	<b>85.34</b>
Srirampur	1.5	-	14.31	<b>83.43</b>
Rahata	7.59	16.50	10.26	<b>95.60</b>
Sangamner	28.78	-	15.93	<b>85.09</b>
<b>Total</b>	<b>96.41</b>	<b>24.75</b>	<b>72.14</b>	

#### 7.4 Development Plan

The ground water development plan has been proposed in the view of developing the additional ground water resources available after supply side interventions to bring the stage of ground water development up to 70%. The 96.41 MCM volume of ground water generated can bring 18.97 sq km additional area under assured ground water irrigation with average crop water requirement of 0.65 m by constructing 1265 check dams and 453 percolation tanks. Map showing additional area proposed to be brought under assured ground water irrigation is shown in **Figure 7.3** and the block wise details are given in **Table 7.4**.

**Table 7.4: Block wise additional area under assured GW Irrigation**

Block	Expected stage of Development %	Balance GWR available for GW Development after STAGE OF GWD is brought to 60% (MCM)	Additional Area (sq.km.) proposed to be brought under assured GW irrigation with av. CWR of 0.65 m after 60% stage of GWD is achieved (Sq. Km)
Akole	<b>74.18</b>	0.51	0.78
Nagar	<b>65.48</b>	8.09	12.445
Newasa	<b>79.53</b>	5.08	7.82
Kopargaon	<b>85.34</b>	0	0
Srirampur	<b>83.43</b>	1.94	2.99
Rahata	<b>95.60</b>	1.268	1.95
Sangamner	<b>85.09</b>	0	0
<b>Total</b>		<b>16.89</b>	<b>25.98</b>



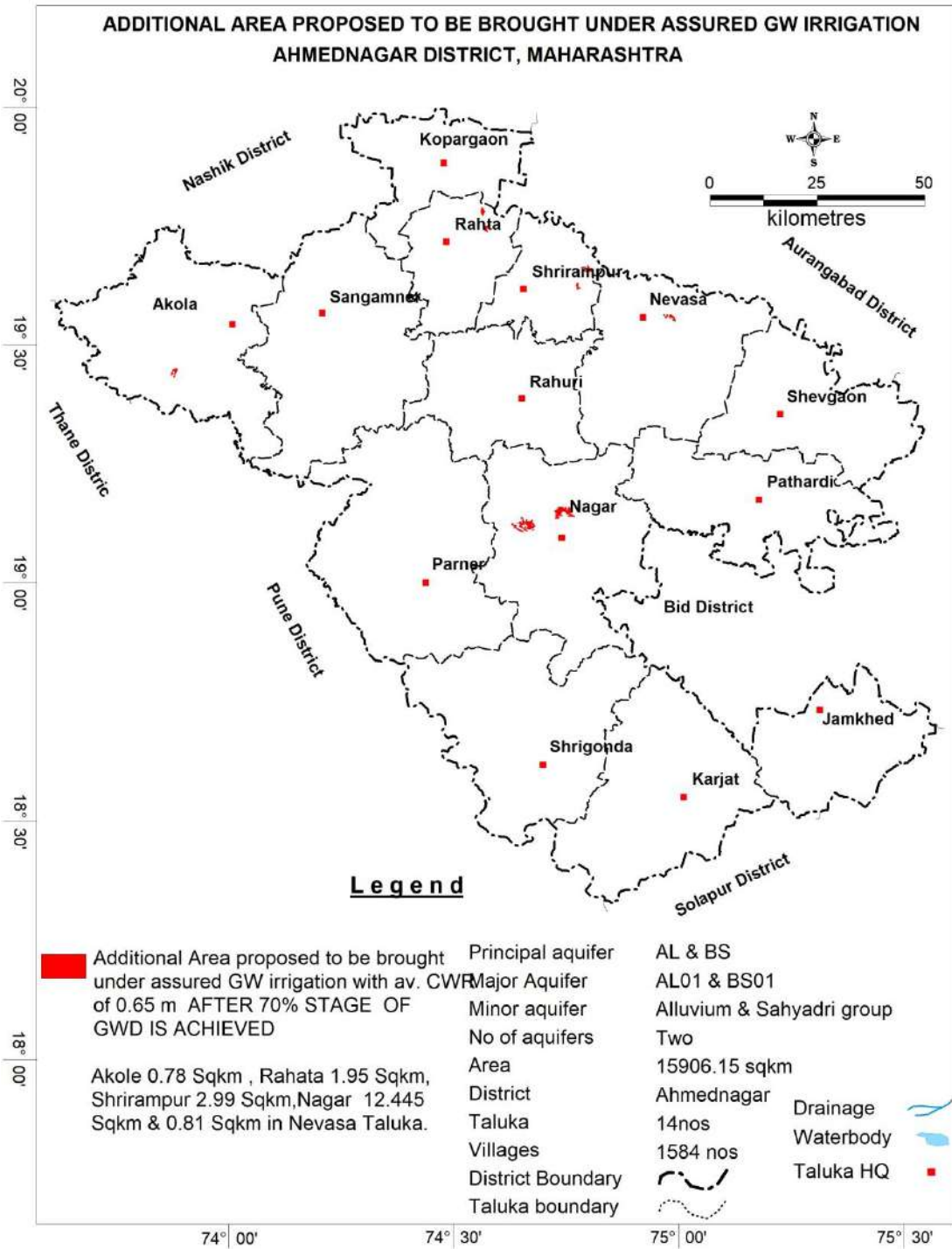


Figure 7.3: Additional area Proposed to be bought under Assured GW irrigation.

## 8.0 SUM UP

The highly diversified occurrence and considerable variations in the availability and utilization of groundwater makes its management a challenging task. Scientific development and management strategy for groundwater has become imperative to avert the looming water crisis. In this context, various issues such as, prioritization of areas for development of groundwater resources vis-a-vis its availability, augmentation of groundwater through rainwater harvesting and artificial recharge, pricing and sectoral allocation of resources and participation of the stakeholders must be considered. In view of the above, the present study area a systematic, economically sound and politically feasible framework for groundwater management is required.

A thorough study was carried out based on data gap analysis, data generated in-house; data acquired from State Govt. departments and GIS maps prepared for various themes. All the available data was brought on GIS platform and an integrated approach was adopted for preparation of block wise aquifer maps and aquifer management plans of Ahmednagar district.

Geographically, Ahmednagar district covers an area of 15906.15 sq km, out of this 1316 sq km area is occupied by forest. Geologically, the area is occupied by Basalt and Alluvium formations. The stage of ground water development is 77.51 %. Rahata and Sangamner blocks are categorized as over-exploited, Kopargaon, Newasa and Srigonda blocks are categorized as semi-critical. The area has witnessed droughts; declining water level and low yield potential of aquifers are the major issues in the district. Declining water level trend of more than 0.20 m/year has been observed in Nagar, Sangamner, Kopargaon and Shrirampur talukas during post monsoon. Declining water level trend of more than 0.20 m/year has been observed in almost all talukas during premonsoon.

The management plan has been proposed to manage the ground water resources and to arrest further decline in water levels. The management plan comprises two components namely *supply-side management* and *demand side management*.

As a part of Supply side Management, a total 453 Percolation tanks and 1265 Check dams are proposed, which will augment ground water resources to the tune of 96.41 MCM (67.95 MCM by Percolation tanks and 28.46 MCM by Check dams). This will generate additional 165.13 MCM water resources, 96.41 mcm by artificial recharge measures and 68.72 mcm by water use efficiency. The ground water resources required to bring stage of development upto 70% after development is 107.30 MCM. The balance ground water resources of 16.89 MCM available will bring an area of 28.98 sq.km. under assured ground water irrigation.

Thus the focus of proposed management plan was to use ground water very effectively with supply and demand side interventions. The perusal of above ground water management plan lays stress on adopting micro-irrigation techniques and artificial recharge measures. Considering the low stage of ground water development in the district demand side interventions have not been proposed. However, this is the right time to further enhance the micro irrigation practices in the selected areas to manage the resources perceiving the future demand of resources.

These interventions also need to be supported by regulation for deeper aquifer and hence it is recommended to regulate/ban deeper tubewells/borewells of more than 60 m depth in these Blocks, so that the deeper ground water resources are protected for future generation and also serve as ground water sanctuary in times of distress/drought. IEC activities and capacity building activities needs to be aggressively propagated to establish the institutional framework for participatory ground water management.

Roof top Rain water harvesting is not recommended, as the volume of water harvested would be 6.85 MCM with an estimate cost of Rs. 485.48 corers. As, it is not economically viable and hence not recommended.

# **B**LOCK WISE AQUIFER MAPS AND MANAGEMENT PLAN

- 1. AKOLE BLOCK**
- 2. NAGAR BLOCK**
- 3. NEWASA BLOCK**
- 4. KOPARGAON BLOCK**
- 5. SRIRAMPUR BLOCK**
- 6. RAHATA BLOCK**
- 7. SANGAMNER BLOCK**

## 9.0 AQUIFER MAPS AND GROUND WATER MANAGEMENT PLAN, AKOLE BLOCK, AHMEDNAGAR DISTRICT, MAHARASHTRA

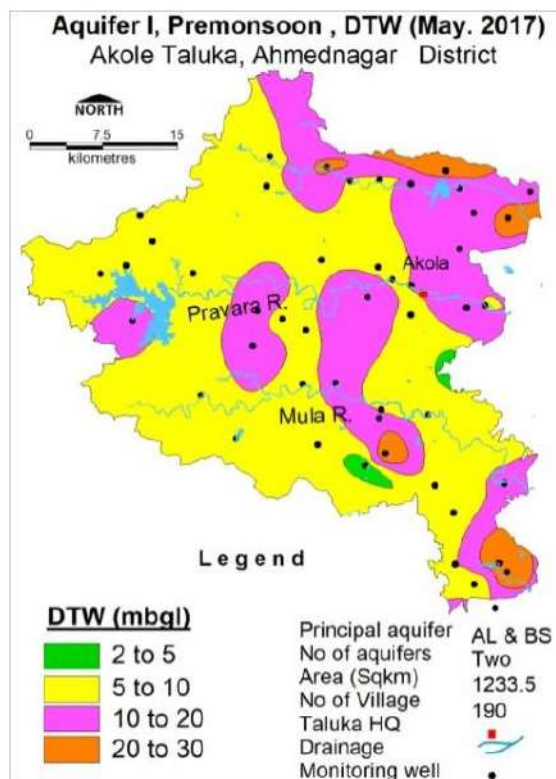
<b>1. SALIENT FEATURE</b>		
<b>1.1 Introduction</b>		
Block Name	Akole	
Geographical Area (Sq. Km.)	1504 Sq. Km.	
Forest Area (Sq. Km)	416.98 Sq. Km.	
Population (2011)	2,91,950	
Climate	Monsoon Monsoon sub-tropical	
<b>1.2 Rainfall Analysis</b>		
Normal Rainfall	622.9 mm	
Annual Rainfall (2017)	1265 mm	
Decadal Average Annual Rainfall (2008-17)	886.8 mm	
Long Term Rainfall Analysis (1901-2015)	Rising Trend 2.090 mm/year. Probability of Normal/Excess Rainfall- 55%/21%. Probability of Drought (Moderate/Severe)-: 19 % Moderate & 5% Severe.	
<b>Rainfall Trend Analysis (1901 To 2015)</b>		
<p style="text-align: center;"><b>RAINFALL ANALYSIS-AKOLE TALUKA</b></p> <p style="text-align: center;"><math>y = 2.0905x + 503.73</math></p>		
EQUATION OF TREND LINE: $Y= 2.0905x + 503.73$		
<b>1.3 Geomorphology, Soil &amp; Geology</b>		
Geomorphic Unit	The district is divided into 3 units, western hilly region of Sahyadri hill range, central plateau region and the northern & southern plains.	
Geology	Alluvium (sand/ silt and clay alternating beds)., Age: Recent to Sub-recent Deccan Traps (Basalt). Age: Late Cretaceous to Eocene	
<b>1.4 Hydrology &amp; Drainage</b>		
Drainage	Godavari and Bhima area two major rivers, Bhima is a tributary of Krishna River. The others rivers are Pravara, Mula, Sina and Dhora.	
Hydrology	Major project	2 (Bhandardara and upper Pravara project)
	Medium	Adhala project
	Minor Irrigation Project (100 to 250 Ha.)	State: 11, Local sector: 6
	Minor Irrigation Project (0 to 100 Ha.)	45 PT, 38 KT Weirs & 233 SB

1.5 Land Use, Agriculture, Irrigation & Cropping Pattern		
Geographical Area		1659.89 Sq. Km.
Forest Area		416.98 Sq. Km.
Cultivable Area		581.78 Sq. Km.
Net Sown Area		575.82 Sq. Km.
Double Cropped Area		31.56 Sq. Km.
Area under Irrigation	Surface Water	228.61 Sq. Km.
	Ground Water	51.93 Sq. Km.
Principal Crops (Reference year 2013-14)	<b>Crop Type</b>	<b>Area (Sq. Km.)</b>
	Cotton	207.86
	Cereals	53.51
	Pulses	261.37
	Oil Seeds	53.57
Horticultural Crops	Citreoous fruit	0
	Sugarcane	53.59
	Others (fruit and vegetables)	40.89

**Water Level Behavior**

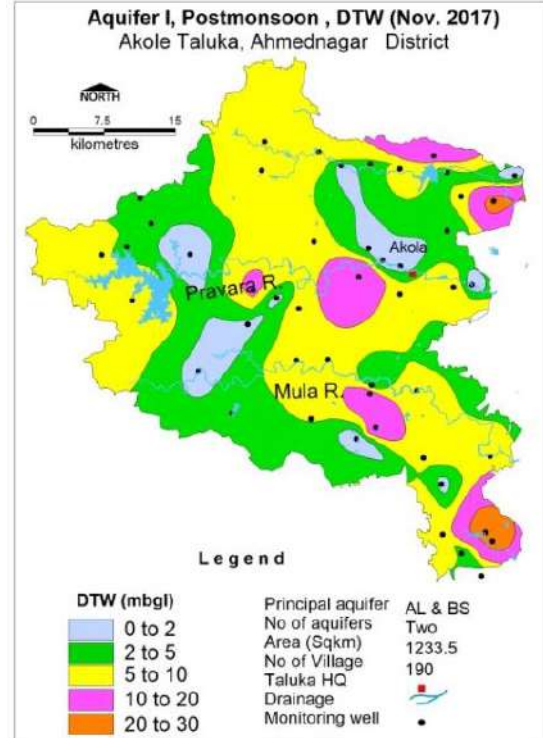
**Aquifer-I/Shallow Aquifer**

**Pre-Monsoon Water Level (May 2017)**



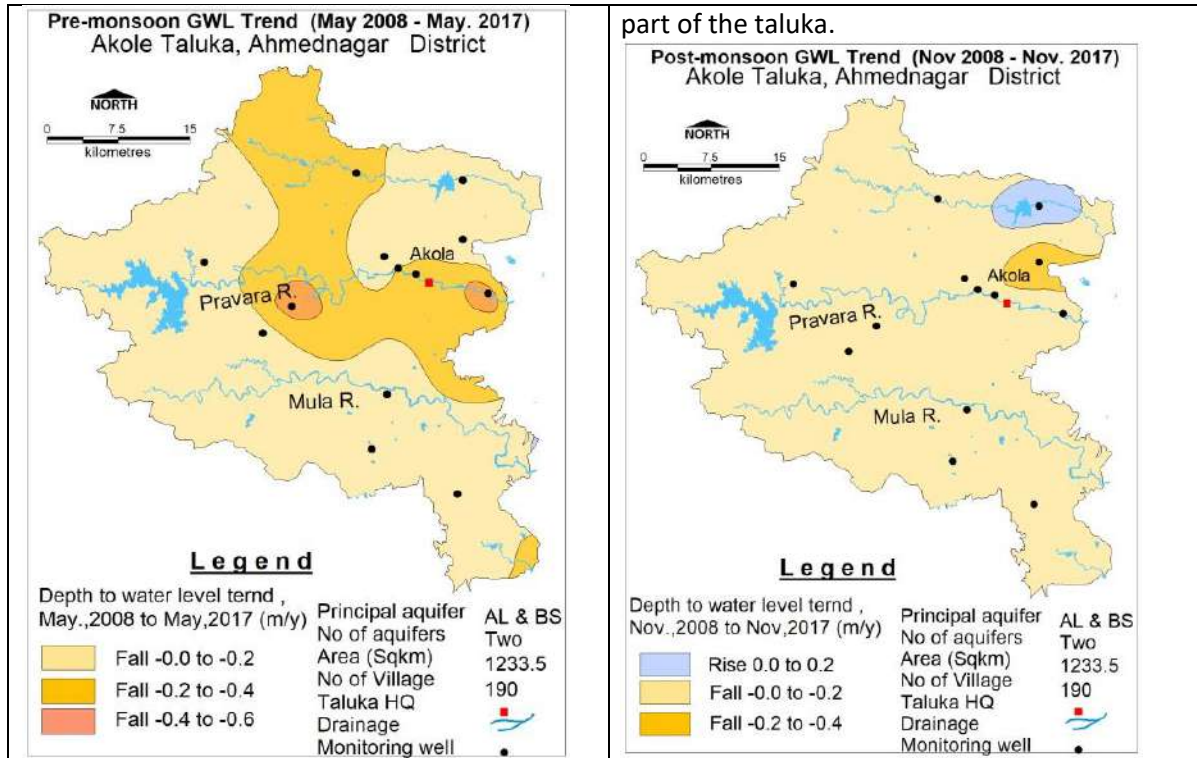
Water level less than 10 mbgl is observed in north-central, central and north-western and south western parts of the block while water level in the range of 10 to 20 mbgl is observed in eastern and northwestern, central and southern part of the block; deeper water level more than 20 mbgl is observed as isolated patches in eastern, and southern parts of the block.

**Post-Monsoon Water Level (Nov. 2017)**



Water Level less than 10 mbgl is observed in almost entire block, except few patches of water level more than 10 mbgl is observed in southern, eastern and central part.

<b>Aquifer-II/Deeper Aquifer</b>																																											
<p><b>Pre-Monsoon Water Level (May 2017)</b></p> <p><b>Aquifer II, Premonsoon , DTW (May. 2017)</b> Akole Taluka, Ahmednagar District</p> <p><b>Legend</b></p> <table border="0"> <tr> <td><b>DTW (mbgl)</b></td> <td>Principal aquifer</td> <td>AL &amp; BS</td> </tr> <tr> <td>10 to 20</td> <td>No of aquifers</td> <td>Two</td> </tr> <tr> <td>20 to 30</td> <td>Area (Sqkm)</td> <td>1233.5</td> </tr> <tr> <td>30 to 40</td> <td>No of Village</td> <td>190</td> </tr> <tr> <td>40 to 50</td> <td>Taluka HQ</td> <td></td> </tr> <tr> <td>&gt; 50</td> <td>Drainage</td> <td></td> </tr> <tr> <td></td> <td>Explorator well</td> <td></td> </tr> </table>	<b>DTW (mbgl)</b>	Principal aquifer	AL & BS	10 to 20	No of aquifers	Two	20 to 30	Area (Sqkm)	1233.5	30 to 40	No of Village	190	40 to 50	Taluka HQ		> 50	Drainage			Explorator well		<p><b>Post-Monsoon Water Level (Nov. 2017)</b></p> <p><b>Aquifer II, Postmonsoon , DTW (Nov. 2017)</b> Akole Taluka, Ahmednagar District</p> <p><b>Legend</b></p> <table border="0"> <tr> <td><b>DTW (mbgl)</b></td> <td>Principal aquifer</td> <td>AL &amp; BS</td> </tr> <tr> <td>2 to 5</td> <td>No of aquifers</td> <td>Two</td> </tr> <tr> <td>5 to 10</td> <td>Area (Sqkm)</td> <td>1233.5</td> </tr> <tr> <td>10 to 20</td> <td>No of Village</td> <td>190</td> </tr> <tr> <td>20 to 30</td> <td>Taluka HQ</td> <td></td> </tr> <tr> <td>30 to 40</td> <td>Drainage</td> <td></td> </tr> <tr> <td>40 to 50</td> <td>Explorator well</td> <td></td> </tr> </table>	<b>DTW (mbgl)</b>	Principal aquifer	AL & BS	2 to 5	No of aquifers	Two	5 to 10	Area (Sqkm)	1233.5	10 to 20	No of Village	190	20 to 30	Taluka HQ		30 to 40	Drainage		40 to 50	Explorator well	
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<p>Water level &lt;20 mbgl is observed in major part of the block while water level &gt;20 mbgl is observed in eastern and northern part of the block.</p>	<p>Water level &lt;10 mbgl is observed in major part of the block while water level more than 10 mbgl is observed in northern and eastern parts of the block.</p>																																										
<p><b>Hydrographs</b></p> <p style="text-align: center;">Hydrograph Site Name : Rajur State : Maharashtra District : Ahmednagar Tahsil : AKOLA Block : AKOLA Village : Rajur</p> <p>Water Level (mbgl)</p> <p>Time</p> <p> <input checked="" type="checkbox"/> AllWtrLvl  <input checked="" type="checkbox"/> Missing Values  <input checked="" type="checkbox"/> PreMonWtrLvlTrend  <input checked="" type="checkbox"/> PostMonWtrLvlTrend  <input checked="" type="checkbox"/> AllWtrLvlTrend         </p> <p> <i>Pre-Monsoon Water Level Trend: Y = 0.025678X + 5.307369</i>  <i>Post-Monsoon Water Level Trend: Y = -0.000607X + 1.527790</i>  <i>All Water Level Trend: Y = 0.005607X + 2.702697</i> </p>																																											
<p>Hydrograph shows Pre-monsoon rising water level trend @ 0.026 m/year</p>	<p>Hydrograph shows Post- monsoon falling water level trend @ 0.0006 m/year</p>																																										
<p><b>Pre-Monsoon trend</b> Falling 0.0 to 0.6 m/year</p>	<p><b>Post-Monsoon trend</b> Rising 0.0 to 0.2 m/year, Falling 0.0 to 0.4 m/year</p>																																										
<p><b>Pre-Monsoon Water Level Trend (2008-2017)</b> Entire taluka is showing falling trend. Maximum area of taluka is showing &lt; 0.2 m falling trend. Falling trend &gt; 0.4 m is observed in isolated patches.</p>	<p><b>Post-Monsoon Water Level Trend (2008-2017)</b> Almost entire taluka is showing falling trend. Maximum area of taluka is showing &lt; 0.2 m falling trend. Falling trend &gt; 0.4 m is observed in isolated patches. Rising trend of &lt; 2 m is observed in isolated patch in the northwestern</p>																																										



## 2. Ground Water Issues

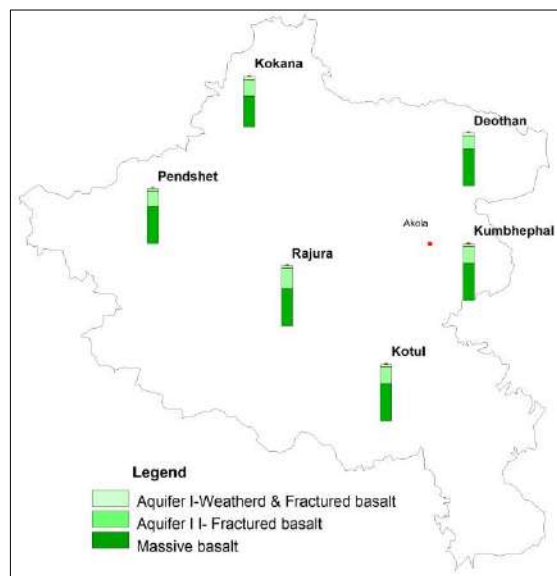
1. Over exploitation
2. Limited aquifer potential
3. Water scarcity in lean period
4. Declining Water Level trend is observed in almost entire block.

## 3. AQUIFER DISPOSITION

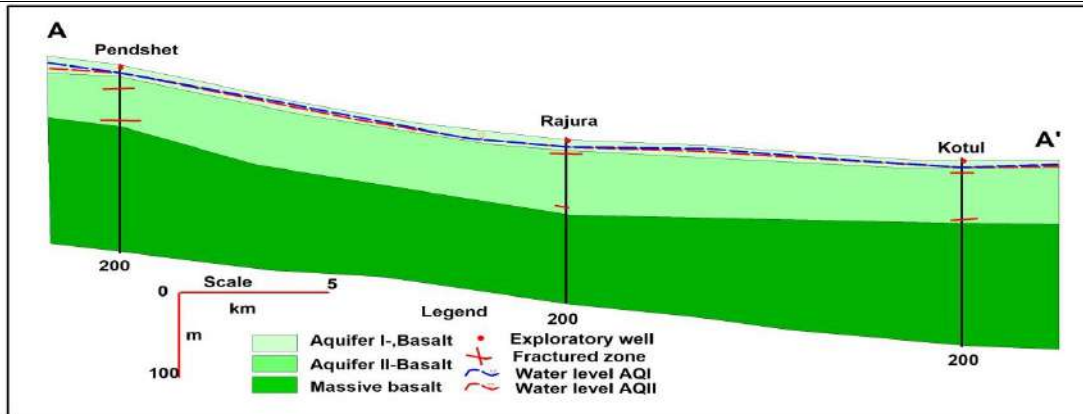
### 3.1 Number of Aquifers

- Basalt – Aquifer-I (weathered & fractured basalt)
- Basalt – Aquifer-II (Jointed & fractured basalt)

### 3.2 AQUIFER DISPOSITION



### 3.3 Cross Sections: Section AA'



### 3.4 Aquifer Characteristics

Major Aquifers	Basalt (Deccan Traps)	
Type of Aquifer (Phreatic / Semiconfined / Confined)	Aquifer-I (Phreatic)	Aquifer-II (Semi-confined /confined)
Depth of Occurrence (mbgl)	9 - 35	35 - 182
Granular/weathered / fractured rocks thickness (m)	8 - 24	6-12
Yield	10 – 100 m <sup>3</sup> /day	Upto 2.5 lps
Specific yield/Storativity (S)	0.02	0.000057-0.000052
Transmissivity (T)	30-80 m <sup>2</sup> /day	25-158 m <sup>2</sup> /day

## 4. GROUND WATER QUALITY

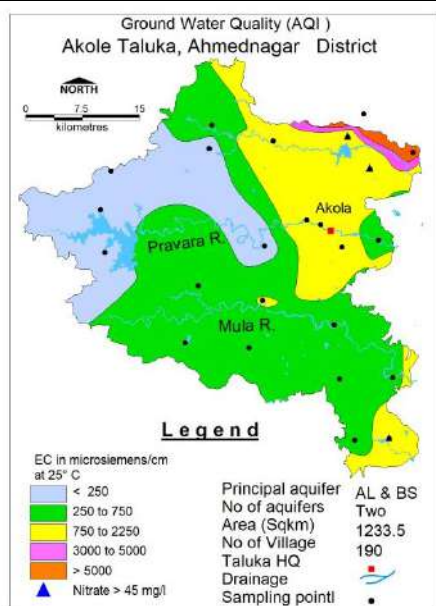
### 4.1 Aquifer-I/Shallow Aquifer

EC > 2250  $\mu$ S/cm has been observed in isolated part of block in north eastern part. Few villages are also affected by Nitrate contamination in north eastern and southern part.

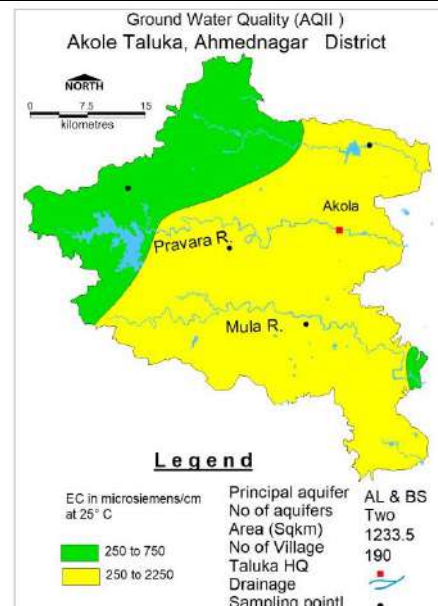
### 4.2 Aquifer-II/Deeper Aquifer

The ground water quality of deeper aquifer is suitable for irrigation purpose. However, the ground water is fit for drinking purpose with primary treatment.

### Aquifer-I/Shallow Aquifer map



### Aquifer-II/Deeper Aquifer map



## 5. GROUND WATER RESOURCES

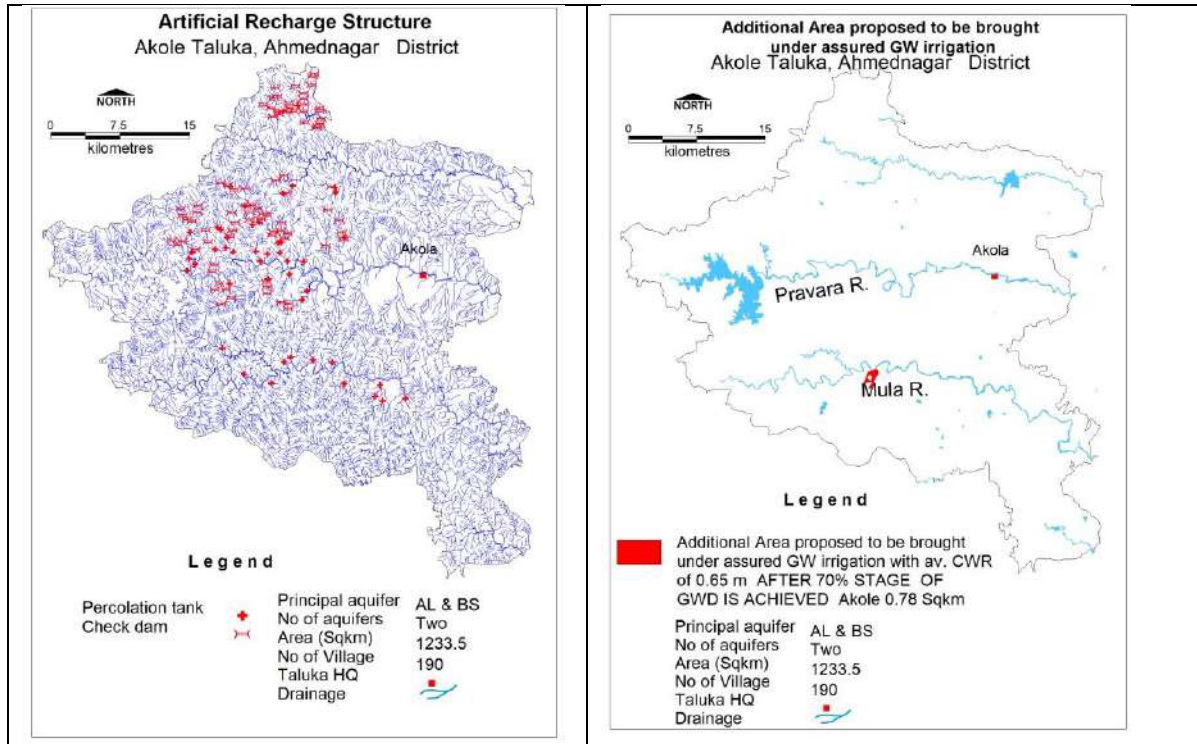
### 5.1 Aquifer-I/Shallow Aquifer

Ground Water Recharge Worthy Area (Sq. Km.)	1233.50
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Total Annual Ground Water Recharge (MCM)				104.55
Natural Discharge (MCM)				5.22
Net Annual Ground Water Availability (MCM)				99.32
Existing Gross Ground Water Draft for irrigation (MCM)				76.54
Existing Gross Ground Water Draft for domestic and industrial water supply(MCM)				5.37
Existing Gross Ground Water Draft for All uses(MCM)				81.91
Provision for domestic and industrial requirement supply to 2025(MCM)				8.81
Net Ground Water Availability for future irrigation development(MCM)				23.21
Stage of Ground Water Development (%)				82.48
Category				<b>SAFE</b>
<b>5.2 Aquifer-II/Deeper Aquifer</b>				
Total Area (Sq. Km.)	Mean aquifer thickness (m)	S	Piezometric Head (m above confining layer)	Total Resource (MCM)
193.955	0.5	0.00002	0.5	1.0667525
1014.93	2	0.0000052	2	10.43957
24.333	4.5	0.000054	4.5	0.24527664
<b>TOTAL</b>				<b>11.75</b>
<b>6. GROUND WATER RESOURCE MANAGEMENT</b>				
Available Resource (MCM)				99.32
Gross Annual Draft (MCM)				81.91
<b>6.1 Supply Side Management</b>				
<b>SUPPLY (MCM)</b>				
Agricultural Supply -GW				76.54
Agricultural Supply -SW				30.32
Domestic Supply - GW				5.37
Domestic Supply - SW				1.34
<b>Total Supply</b>				<b>113.57</b>
Area of Block (Sq. Km.)				1659.83
Area suitable for Artificial recharge (Sq. Km)				1233.50
Type of Aquifer				Hard Rock
Area feasible for Artificial Recharge (WL >5mbgl) (Sq. Km.)				Approx 600
Volume of Unsaturated Zone (MCM)				1282.68
Average Specific Yield				0.02
Volume of Sub Surface Storage Space available for Artificial Recharge (MCM)				25.65
Surplus water Available (MCM)				14.81
<b>Proposed Structures</b>		Percolation Tank (Av. Gross Capacity-100 TCM*2 fillings = 200 TCM)	Check Dam (Av. Gross Capacity-10 TCM * 3 fillings = 30 TCM)	
Number of Structures		52	147	
Volume of Water expected to be conserved / recharged @ 75% efficiency (MCM)		7.80	3.308	
<b>RTRWH Structures – Urban Areas</b>				
Households to be covered (25% with 50 m <sup>2</sup> area)				14000
Total RWH potential (MCM)				0.40
Rainwater harvested / recharged @ 80% runoff co-efficient				0.32
<b>6.2 Demand Side Management</b>				
<b>Micro irrigation techniques</b>				
Irrigation Area (sq. km.) proposed for irrigation through Sprinkler				Not proposed
Water Saving by use of Sprinklers				Nil

<b>Proposed Cropping Pattern change</b>	
Ground water Irrigated area under Water Intensive Crop (sq.km)	14.00
Water Saving by water use efficiency (MCM)	5.13
<b>6.3 EXPECTED BENEFITS</b>	
Net Ground Water Availability (MCM)	99.32
Additional GW resources available after Supply side interventions (MCM)	11.11
Ground Water Availability after Supply side intervention	110.43
Existing Ground Water Draft for All Uses (MCM)	81.92
GW draft after Demand Side Interventions (MCM)	76.79
Present stage of Ground Water Development (%)	82.48
Expected Stage of Ground Water Development after interventions (%)	Upto 70
Other Interventions Proposed, if any	
Alternate Water Sources Available	Nil
<b>6.4 Development Plan</b>	
Additional Area (sq.km.) proposed to be brought under assured GW irrigation with av. CWR of 0.65 m	0.78
<b>Regulatory Measures</b>	<b>60m borewells/tube wells</b>
<b>Proposed locations for AR structures</b>	<b>Additional area proposed to be bought under assured GW irrigation</b>



## 10.0 AQUIFER MAPS AND GROUND WATER MANAGEMENT PLAN, KOPARGAON BLOCK, AHMEDNAGAR DISTRICT, MAHARASHTRA

<b>1. SALIENT FEATURE</b>		
<b>1.1 Introduction</b>		
Block Name	<b>Kopargaon</b>	
Geographical Area (Sq. Km.)	706.13 Sq. Km.	
Forest Area (Sq. Km)	0 Sq. Km.	
Population (2011)	3,02,452	
Climate	Monsoon sub-tropical	
<b>1.2 Rainfall Analysis</b>		
Normal Rainfall	486.1 mm	
Annual Rainfall (2017)	519.8 mm	
Decadal Average Annual Rainfall (2008-17)	453.61 mm	
Long Term Rainfall Analysis (1901-2017)	Falling Trend 0.511 mm/year. Probability of Normal/Excess Rainfall: 65%/19%. Probability of Drought (Moderate/Severe)-: 12 % Moderate & 4 % Severe.	
<b>Rainfall Trend 2017)</b>		
EQUATION OF TREND LINE: $Y = -0.51x + 515.64$		
<b>1.3 Geomorphology, Soil &amp; Geology</b>		
Geomorphic Unit	The block is divided into 3 units viz Godavari river alluvium plain, Moderately dissected plateau with moderate soil cover and maximum area is covered by moderately dissected plateau with thick soil cover & weathered zone	
Geology	Alluvium (sand/ silt and clay alternating beds), Age: Recent to Sub-recent Deccan Traps (Basalt), Age: Late Cretaceous to Eocene Almost entire block is underlain by basaltic lava flows, alluvium covers area adjacent Godavari river.	
Soil	Clayey very deep (>100 cm) covers maximum area of block followed by Loamy sand very deep (>100 cm) all along the Godavari river.	
<b>1.4 Hydrology &amp; Drainage</b>		
Drainage	Godavari river and its tributary flows through the block.	
Hydrology	Major project	1
	Medium	-
	Minor Irrigation Project (100 to 250 Ha.)	Local sector: 10

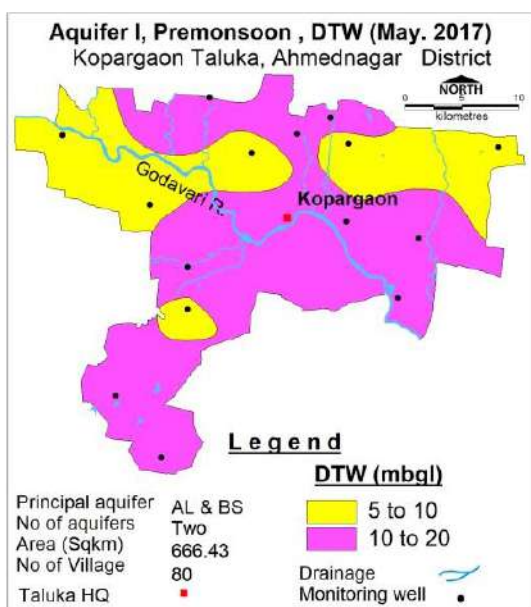
	Minor Irrigation Project (0 to 100 Ha.)	31 PT, 8 KT Weirs & 64 SB
<b>1.5 Land Use, Agriculture, Irrigation &amp; Cropping Pattern</b>		
Geographical Area		706.13 Sq.km.
Forest Area		0 Sq. Km.
Cultivable Area		999.96 Sq. Km.
Gross cropped Area		959.74 Sq. Km.
net sown area		866.41 sq. km
double cropped area		93.33 sq. km
Double Cropped Area		93.33 Sq. Km.
Area under Irrigation	Surface Water	124.92 Sq. Km.
	Ground Water	0 Sq. Km.
Principal Crops (Reference year 2013-14)	<b>Crop Type</b>	<b>Area (Sq. Km.)</b>
	Cotton	51.62
	Cereals	468.79
	Pulses	40.35
	Oil Seeds	169.94
Horticultural Crops	Citrous fruit	0
	Sugarcane	32.52
	Others (fruit and vegetables)	66.04

**1.6 Water Level Behavior**

**1.6.1 Aquifer-I/Shallow Aquifer**

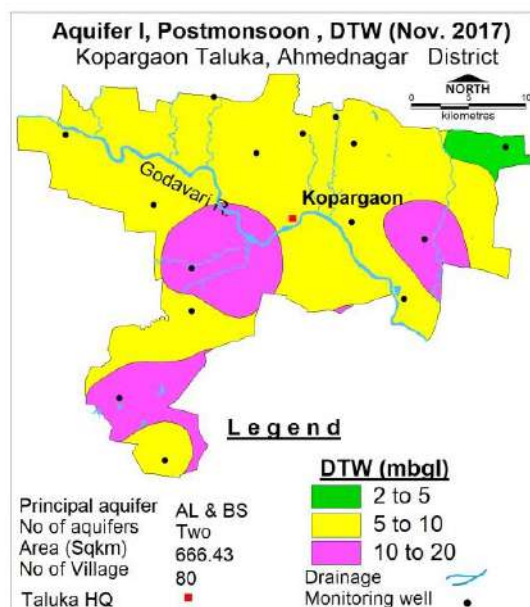
**Pre-Monsoon Water Level (May 2017)**

Water level less than 10 mbgl is observed in north-eastern and north-western parts of the block while water level in the range of 10 to 20 mbgl is observed in rest of the area.



**Post-Monsoon Water Level (Nov. 2017)**

Water Level less than 5 mbgl and 10 to 20 mbgl is observed in isolated patches. Water level between 5 to 10 mbgl is observed in rest of the block.



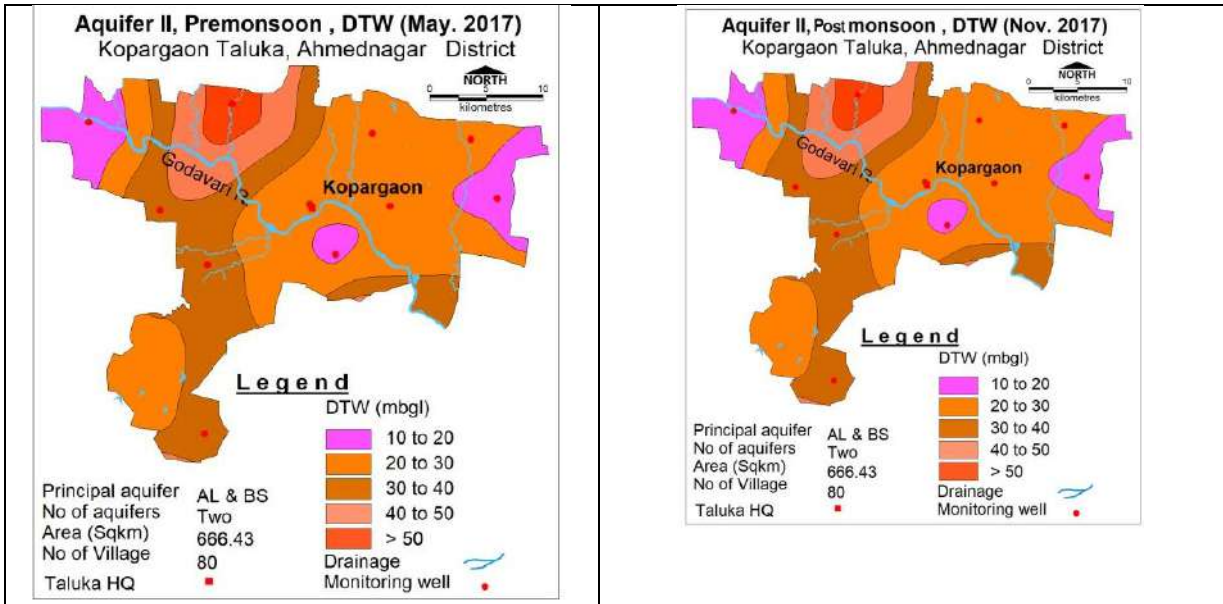
**1.6.2 Aquifer-II/Deeper Aquifer**

**Pre-Monsoon Water Level (May 2017)**

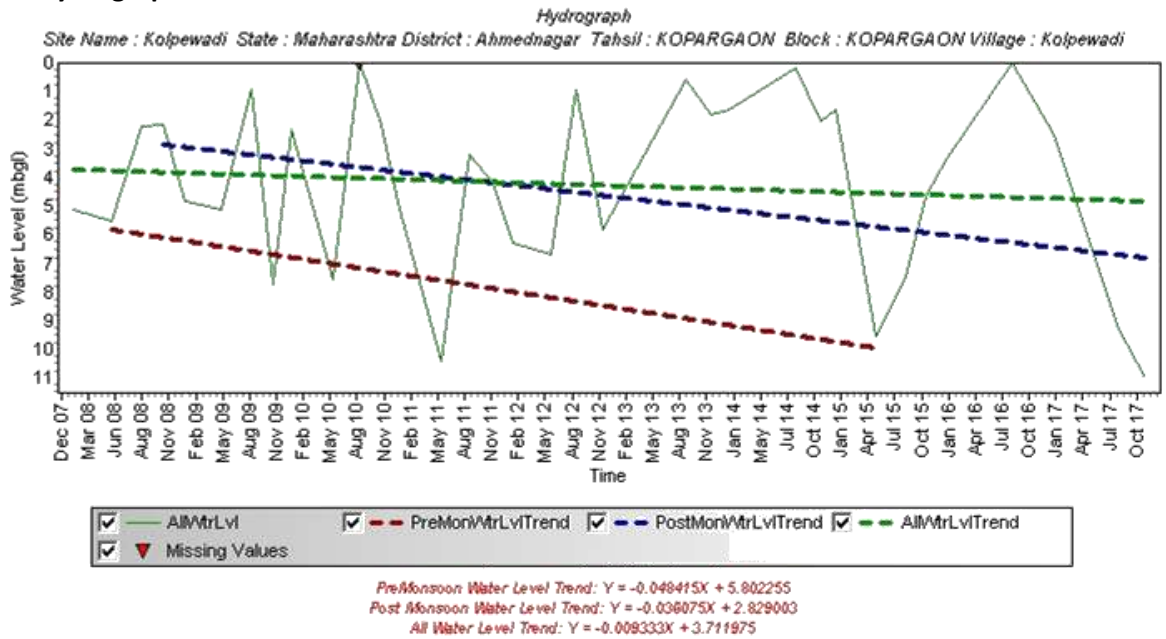
Water level <20 mbgl is observed in 5% of the block while water level >50 mbgl is observed in north part of the block as isolate patch.

**Post-Monsoon Water Level (Nov. 2017)**

Water level <20 mbgl is observed in 5% of the block while water level >50 mbgl is observed in north part of the block as isolate patch. However, there is no change in DTWL wrt pre-monsoon.



### 1.7 Hydrographs



Hydrograph shows Pre-monsoon falling water level trend @ 0.048 m/year

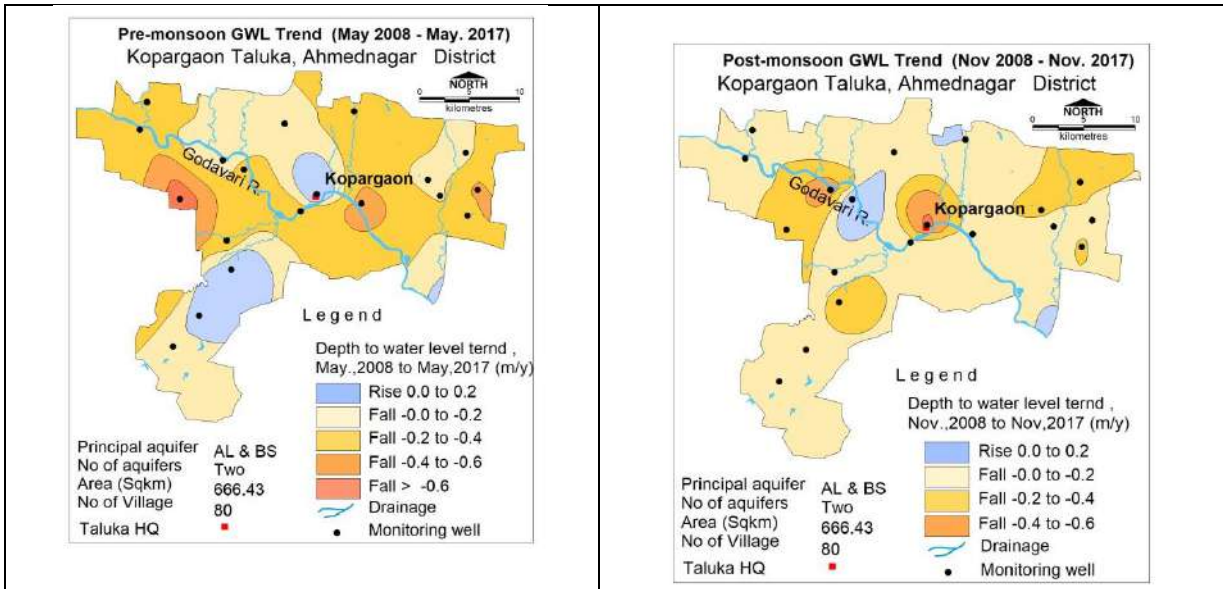
Hydrograph shows Post- monsoon falling water level trend @ 0.036 m/year

**Pre-Monsoon trend**  
Rising 0.0 to 0.2 m/year  
Falling 0.0 to 0.6 m/year

**Post-Monsoon trend**  
Rising 0.0 to 0.2 m/year  
Falling 0.0 to 0.6 m/year

**Pre-Monsoon Water Level Trend (2008-2017)**  
Almost entire taluka is showing falling trend, except isolated patches in central and southwestern part. Falling trend > 0.4 m is observed in almost entire block mostly adjacent major drainages.

**Post-Monsoon Water Level Trend (2008-2017)**  
Almost entire taluka is showing falling trend. Maximum area of taluka is showing falling trend in the range of 0 to 0.2 m.



**2. Ground Water Issues**

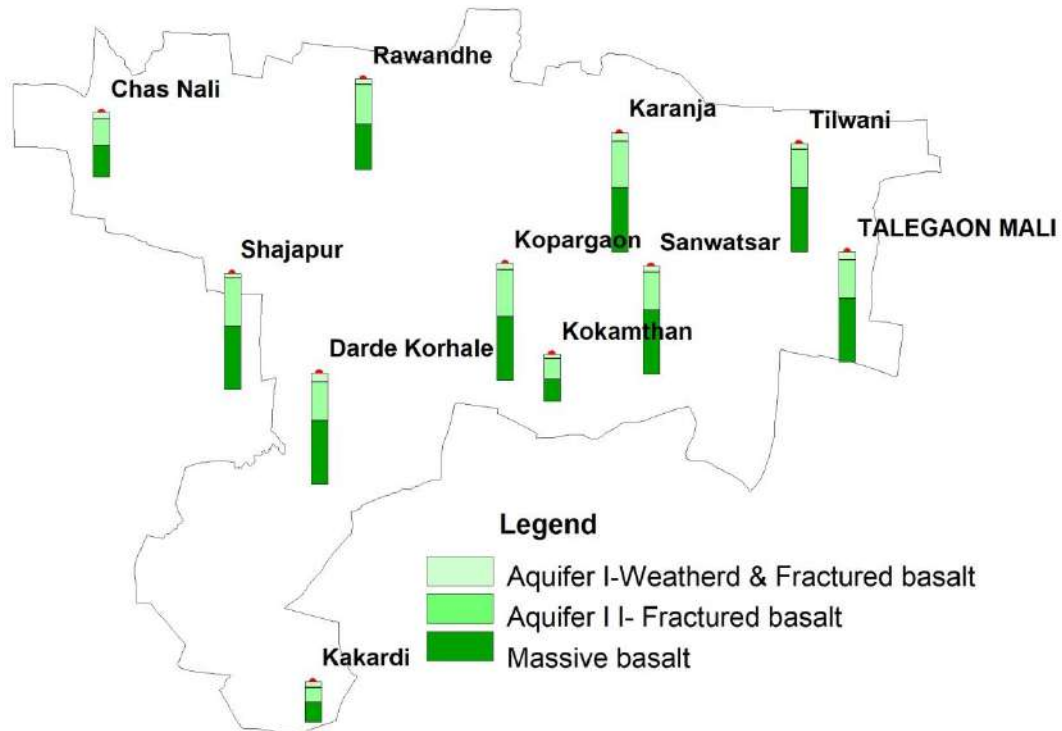
- I. Over exploitation
- II. Limited aquifer potential
- III. Water scarcity in lean period
- IV. Declining Water Level trend during pre and post monsoon in almost entire block

**3. AQUIFER DISPOSITION**

**3.1 Number of Aquifers**

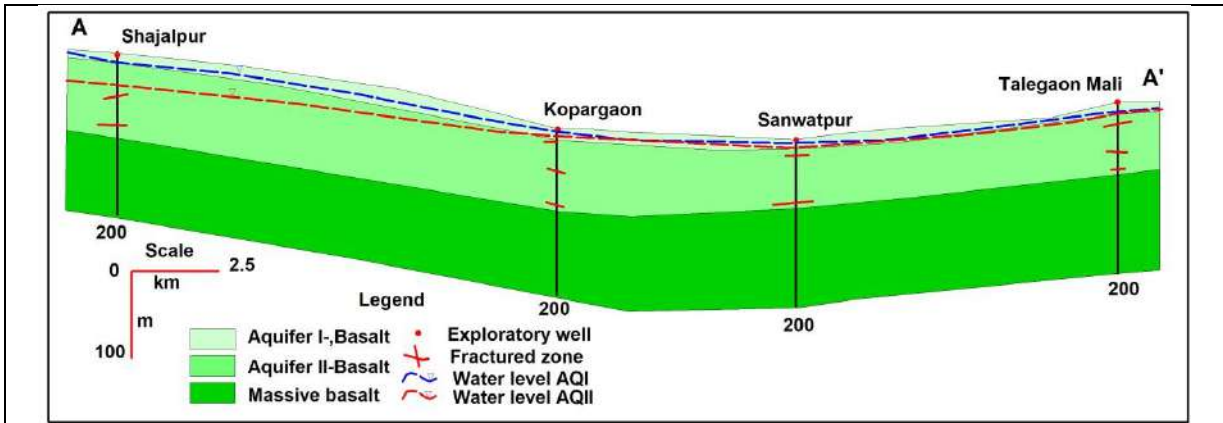
- Basalt – Aquifer-I (weathered & fractured basalt)
- Basalt – Aquifer-II (Jointed & fractured basalt)

**3.2 Lithological disposition**



**3.3 Cross Sections**

**Section AA'**



### 3.4 Aquifer Characteristics

Major Aquifers	Basalt (Deccan Traps)	
Type of Aquifer (Phreatic / Semi-confined/Confined)	Aquifer-I (Phreatic)	Aquifer-II (Semi-confined / confined)
Depth of Occurrence (mbgl)	9-18	32-152
Granular/ weathered/ fractured rocks thickness (m)	5-14	0.5-6
Yield	10-100 m <sup>3</sup> /day	Upto 2.5 lps
Specific yield/Storativity (S)	0.019-0.28	0.00002-0.000057
Transmissivity (T)	30-80 m <sup>2</sup> /day	25-150 m <sup>2</sup> /day

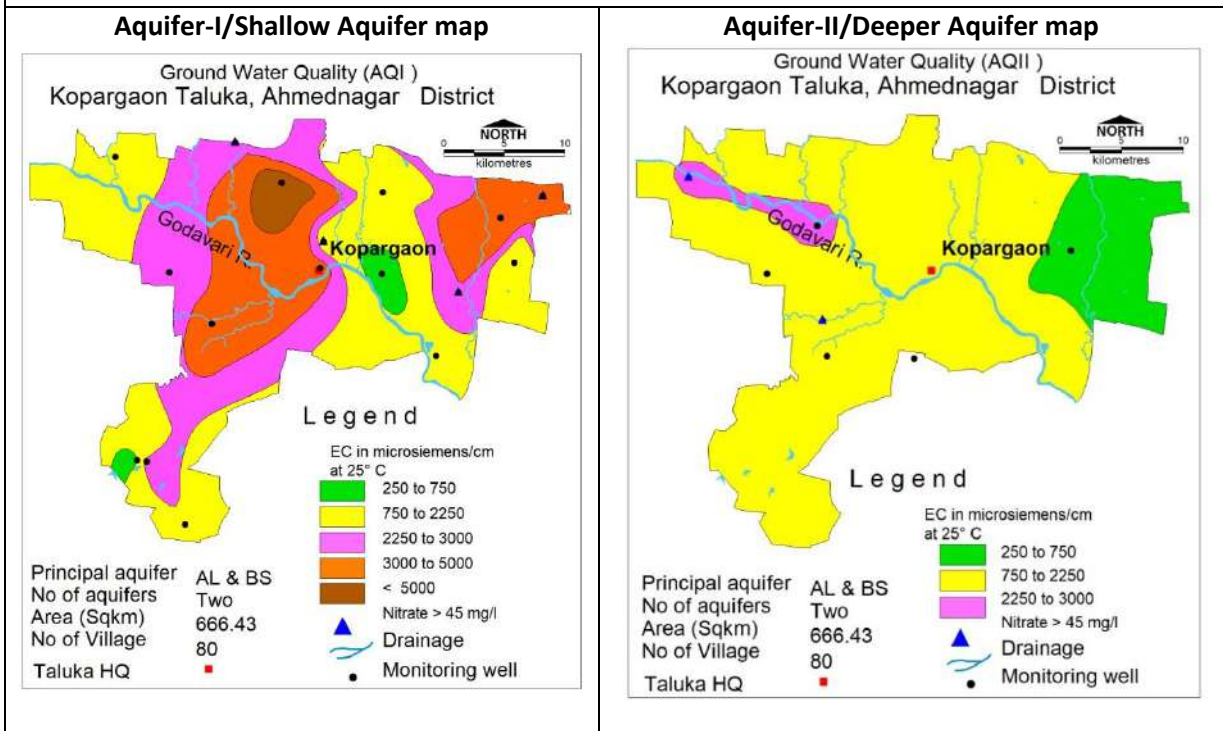
### 4. GROUND WATER QUALITY

#### 4.1 Aquifer-I/Shallow Aquifer

EC > 2250 μS/cm has been observed in central and eastern part of block. Nitrate values more than permissible limit is observed in few villages

#### 4.2 Aquifer-II/Deeper Aquifer

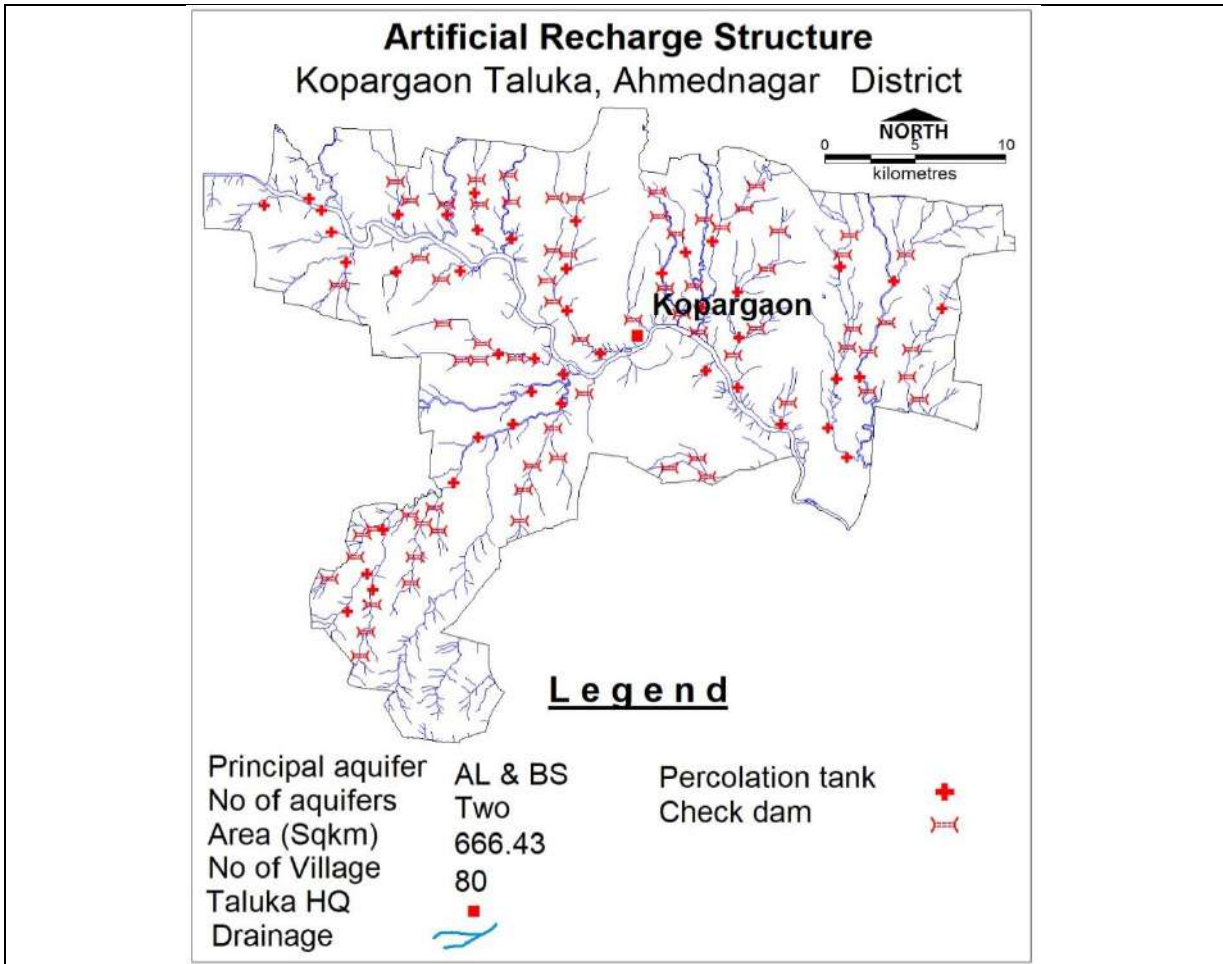
Entire block is having EC values EC > 2250 μS/cm. The ground water quality of deeper aquifer is suitable for irrigation purpose. However, the ground water is fit for drinking purpose with primary treatment.



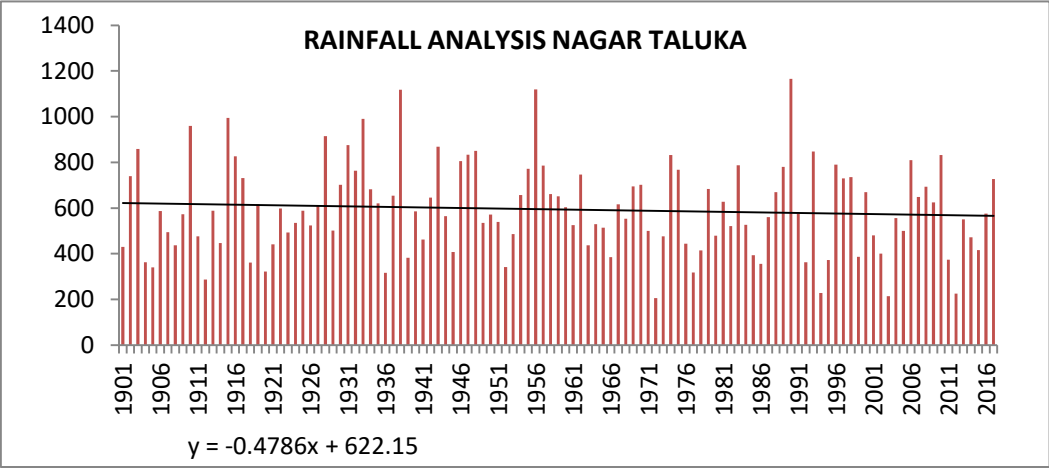


<b>5. GROUND WATER RESOURCES</b>				
<b>5.1 Aquifer-I/Shallow Aquifer</b>				
Ground Water Recharge Worthy Area (Sq. Km.)				666.43
Command (Sq. Km.)				221.07
Non-command (Sq. Km.)				445.36
Total Annual Ground Water Recharge (MCM)				95.93
Natural Discharge (MCM)				4.93
Net Annual Ground Water Availability (MCM)				90.99
Existing Gross Ground Water Draft for irrigation (MCM)				83.49
Existing Gross Ground Water Draft for domestic and industrial water supply (MCM)				3.60
Existing Gross Ground Water Draft for All uses(MCM)				87.10
Provision for domestic and industrial requirement supply to 2025(MCM)				6.88
Net Ground Water Availability for future irrigation development (MCM)				9
Stage of Ground Water Development (%)				95.72
Category				<b>Semi Critical</b>
<b>5.2 Aquifer-II/Deeper Aquifer</b>				
Total Area (Sq. Km.)	Mean aquifer thickness (m)	S	Piezometric Head (m above confining layer)	Total Resource (MCM)
233.167	0.5	0.000057	15	1.24
248.723	2	0.000057	25	2.84
184.552	4.5	0.000057	15	1.81
<b>TOTAL</b>				<b>5.9</b>
<b>6. GROUND WATER RESOURCE MANAGEMENT</b>				
Available Resource (MCM)				90.90
Gross Annual Draft (MCM)				83.49
<b>6.1 Supply Side Management</b>				
<b>SUPPLY (MCM)</b>				
Agricultural Supply -GW				87.10
Agricultural Supply -SW				591.19
Domestic Supply - GW				3.6
Domestic Supply - SW				0.9
<b>Total Supply</b>				
Area of Block (Sq. Km.)				666.43
Area suitable for Artificial recharge (Sq. Km)				666.43
Type of Aquifer				Hard Rock
Area feasible for Artificial Recharge (WL >5mbgl) (Sq. Km.)				Approx 650
Volume of Unsaturated Zone (MCM)				1276.19
Average Specific Yield				0.02
Volume of Sub Surface Storage Space available for Artificial Recharge (MCM)				25.52
Surplus water Available (MCM)		14.74		
<b>Proposed Structures</b>		Percolation Tank (Av. Gross Capacity-100 TCM*2 fillings = 200 TCM)	Check Dam (Av. Gross Capacity-10 TCM * 3 fillings = 30 TCM)	
Number of Structures		52	145	
Volume of Water expected to be conserved / recharged @ 75% efficiency (MCM)		7.8	3.26	
<b>RTRWH Structures – Urban Areas</b>				
Households to be covered (25% with 50 m <sup>2</sup> area)				36184

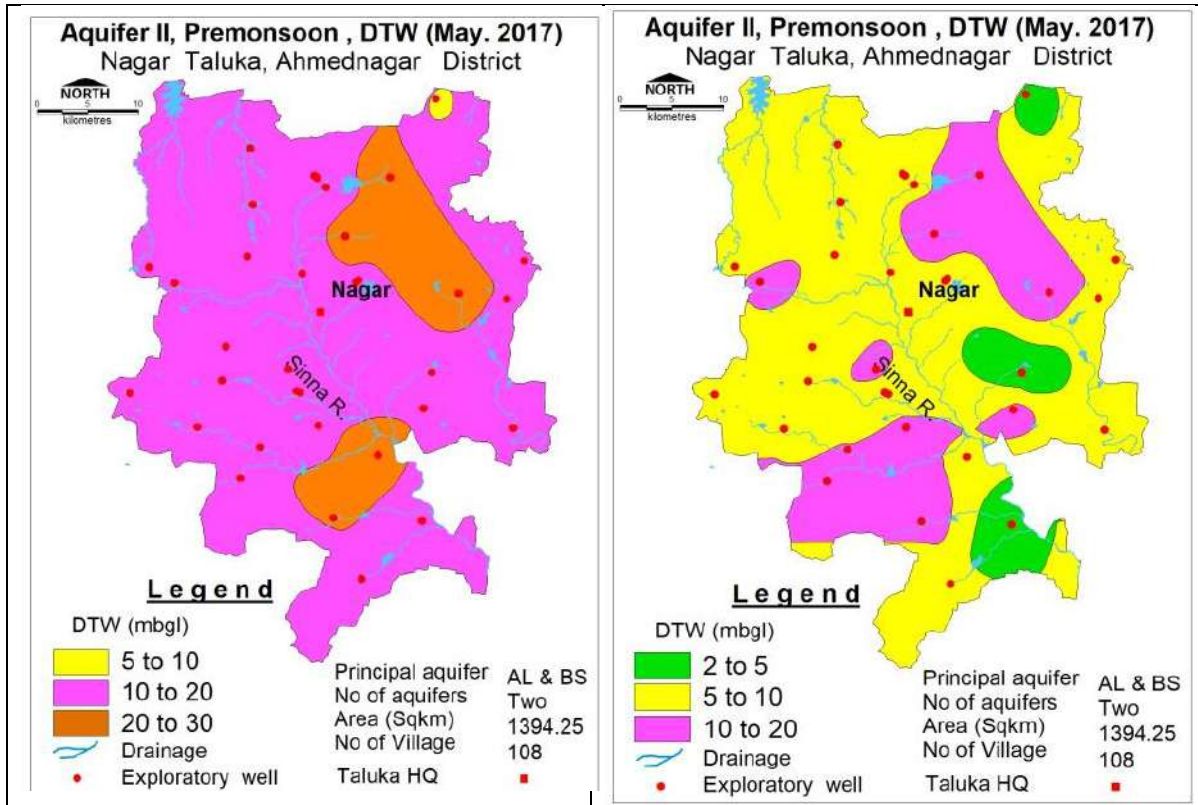
Total RWH potential (MCM)	1.02
Rainwater harvested / recharged @ 80% runoff co-efficient	0.81
<b>6.2 Demand Side Management</b>	
<b>Micro irrigation techniques</b>	
Irrigation Area (sq. km.) proposed for irrigation through drip	15.51
Water Saving by use of drip (MCM)	8.84
<b>Proposed Cropping Pattern change</b>	
Ground water Irrigated area under Water Intensive Crop (sq.km)	Nil
Water Saving by water use efficiency (MCM)	Nil
<b>6.3 EXPECTED BENEFITS</b>	
Net Ground Water Availability (MCM)	90.99
Additional GW resources available after Supply side interventions (MCM)	11.06
Ground Water Availability after Supply side intervention	102.05
Existing Ground Water Draft for All Uses (MCM)	87.10
GW draft after Demand Side Interventions (MCM) (87.10-8.84) from demand side	78.26
Present stage of Ground Water Development (%)	95.72
Expected Stage of Ground Water Development after interventions (%)	76.68
Other Interventions Proposed, if any	
Alternate Water Sources Available	Nil
<b>6.4 Development Plan</b>	
Additional Area (sq.km.) proposed to be brought under assured GW irrigation with av. CWR of 0.65 m	0
<b>Regulatory Measures</b>	<b>60m borewells/tube wells</b>
<b>Proposed locations for AR structures</b>	



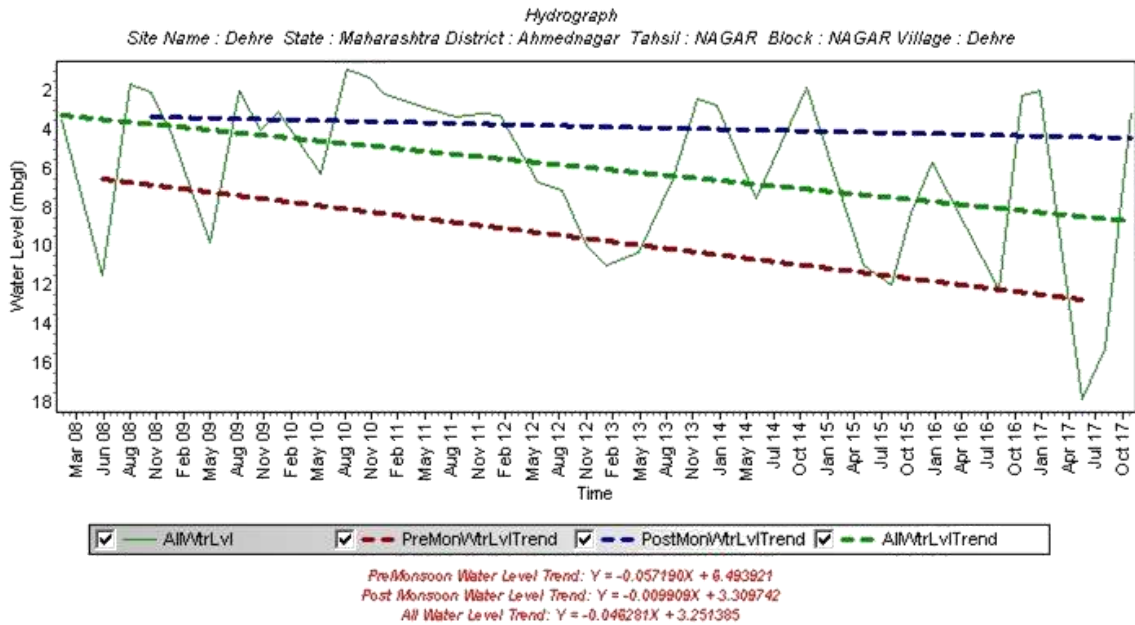
## 11.0 AQUIFER MAPS AND GROUND WATER MANAGEMENT PLAN, NAGAR BLOCK, AHMEDNAGAR DISTRICT, MAHARASHTRA

<b>1.SALIENT FEATURE</b>		
<b>1.1 Introduction</b>		
Block Name	Nagar	
Geographical Area (Sq. Km.)	1502.72 Sq. Km.	
Forest Area (Sq. Km)	131.65 Sq. Km.	
Population (2011)	6,84,044	
Climate	Monsoon sub-tropical	
<b>1.2 Rainfall Analysis</b>		
Normal Rainfall	595.7 mm	
Annual Rainfall (2017)	726.7 mm	
Decadal Average Annual Rainfall (2008-17)	548.9 mm	
Long Term Rainfall Analysis (1901-2017)	Falling Trend 0.478 mm/year. Probability of Normal/Excess Rainfall: 53%/22%. Probability of Drought (Moderate/Severe)-: 21 % Moderate & 4% Severe.	
Rainfall Trend 2017)		
 <p style="text-align: center;">EQUATION OF TREND LINE: <math>Y = -0.4786x + 622.15</math></p>		
<b>1.3 Geomorphology, Soil &amp; Geology</b>		
Geomorphic Unit	Alluvium plain, moderately dissected and highly dissected plateau, denudational slope. Moderately dissected plateau with thin and moderate soil covers major area, whereas, in southwestern part it is covered by outer fringe of denudational slope	
Geology	Alluvium (sand/ silt and clay alternating beds). Age: Recent to Sub-recent Deccan Traps (Basalt) Age: Late Cretaceous to Eocene	
Soil	The block is covered by clayey moderate to very deep soil and gravely sandy clay loam shallow to deep soil.	
<b>1.4 Hydrology &amp; Drainage</b>		
Drainage	The block is drained by tributaries of Godavari river in the north and rest of the area is drained by Sina River and its tributaries.	
Hydrology	Major project	-
	Medium	-
	Minor Irrigation Project (100 to 250 Ha.)	Local sector: 27

	Minor Irrigation Project (0 to 100 Ha.)	111 PT, 16 KT Weirs & 104 SB
<b>1.5 Land Use, Agriculture, Irrigation &amp; Cropping Pattern</b>		
Geographical Area		1502.72 Sq. Km.
Forest Area		131.65 Sq. Km.
Cultivable Area		1319.05 Sq. Km.
Net Sown Area		1249.64 Sq. Km.
Double Cropped Area		51.79 Sq. Km.
Area under Irrigation	Surface Water	0 Sq. Km.
	Ground Water	175.98 Sq. Km.
Principal Crops (Reference year 2013-14)	Crop Type	Area (Sq. Km.)
	Cotton	0.19
	Cereals	1166.14
	Pulses	19.89
	Oil Seeds	14.36
Horticultural Crops	Citrous fruit	0.81
	Sugarcane	2.52t
	Others (fruit and vegetables)	13.79
<b>1.6 Water Level Behavior</b>		
<b>1.6.1 Aquifer-I/Shallow Aquifer</b>		
<b>Pre-Monsoon Water Level (May 2017)</b> Water level less than 10 mbgl is observed in isolated patches north and south west parts of the block while water level in the range of 10 to 20 mbgl is observed in almost entire block; deeper water level more than 20 mbgl is observed as isolated patches.		<b>Post-Monsoon Water Level (Nov. 2017)</b> Water Level less than 5 mbgl is observed in isolated patches in northern part of block. Water level between 5 to 10 mbgl and 10 to 20 mbgl is observed in almost entire block.
<b>1.6.2 Aquifer-II/Deeper Aquifer</b>		
<b>Pre-Monsoon Water Level (May 2017)</b> Water level <20 mbgl is observed in almost entire block. Water level >20 mbgl is observed in north eastern and southern part of the block.		<b>Post-Monsoon Water Level (Nov. 2017)</b> Water level <10 mbgl is observed in major part of the block while water level more than 10 mbgl is observed in northeastern and southern part of the block.



Hydrographs



Hydrograph shows Pre-monsoon falling water level trend @ 0.057 m/year

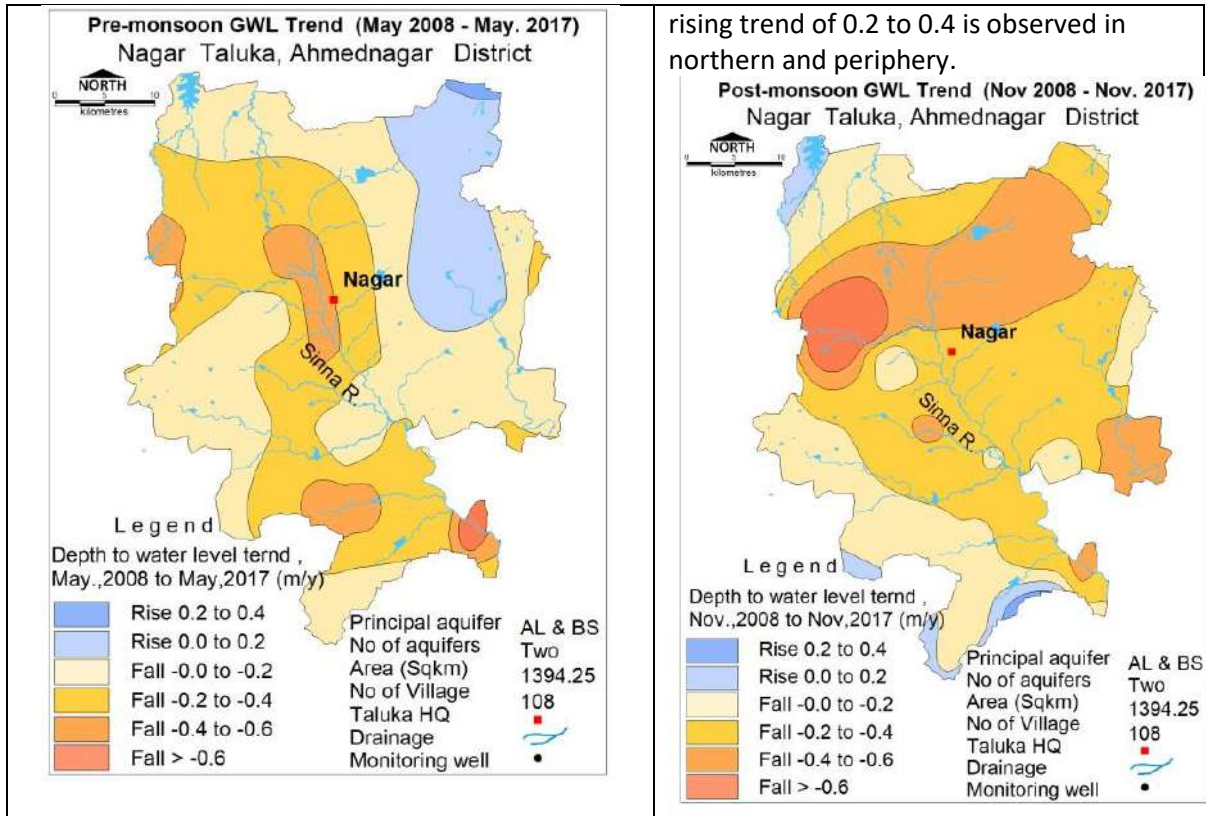
Hydrograph shows Post- monsoon falling water level trend @ 0.009 m/year

Pre-Monsoon trend  
Rising 0.0 to 0.4 m/year  
Falling 0.0 to >0.6 m/year

Post-Monsoon trend  
Rising 0.0 to 0.4 m/year  
Falling 0.0 to >0.6 m/year

**Pre-Monsoon Water Level Trend (2008-2017)**  
Almost entire taluka is showing falling trend, except north eastern part of the block. Falling trend > 0.4 m is observed in isolated central, western and southern part of the block.

**Post-Monsoon Water Level Trend (2008-2017)**  
Almost entire taluka is showing falling trend. Maximum area of taluka is showing falling trend in the range of 0.2 to 0.6 m.



**2. GROUND WATER ISSUES**

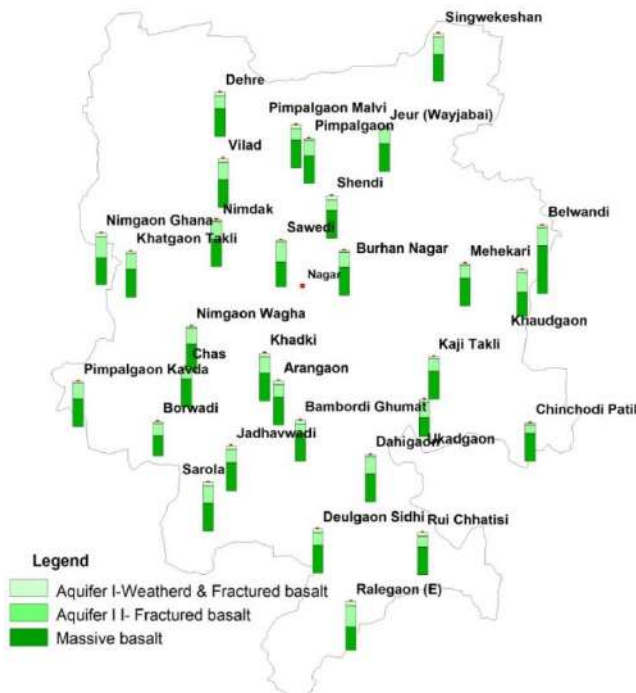
Over exploitation, increase of irrigation well thereby increasing ground water draft.  
Limited aquifer potential  
Water scarcity in lean period  
Declining Water Level trend is observed in almost entire block.

**3. AQUIFER DISPOSITION**

**3.1 Number of Aquifers**

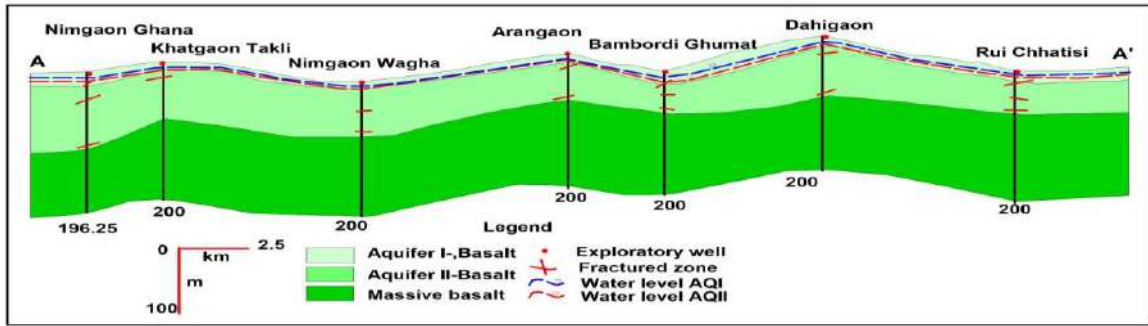
Basalt – Aquifer-I (weathered & fractured basalt)  
Basalt – Aquifer-II (Jointed & fractured basalt)

**3.2 Lithological disposition**



### 3.3 Cross Sections

#### Section AA'



### 3.4 Aquifer Characteristics

Major Aquifers	Basalt (Deccan Traps)	
Type of Aquifer (Phreatic / Semi-confined / Confined)	Aquifer-I (Phreatic)	Aquifer-II (Semi-confined /confined)
Depth of Occurrence (mbgl)	9- 35	31 - 182
Granular/weathered/fractured rocks thickness (m)	5 – 24	0.5 - 14
Yield	10 - 100m <sup>3</sup> /day	Upto 2.5 lps
Specific yield/Storativity (S)	0.019 – 0.028	0.00002 -0.000052
Transmissivity (T)	3-80 m <sup>2</sup> /day	25 to 389 m <sup>2</sup> /day

### 4. GROUND WATER QUALITY

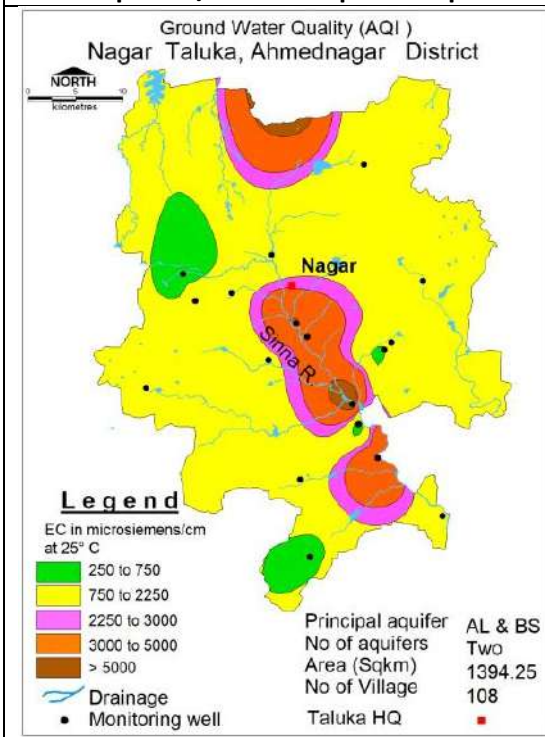
#### 4.1 Aquifer-I/Shallow Aquifer

EC > 2250  $\mu$ S/cm has been observed along the Sina River in central and southern part and in northern part of the block. Over all ground water is good for domestic and irrigation purposed.

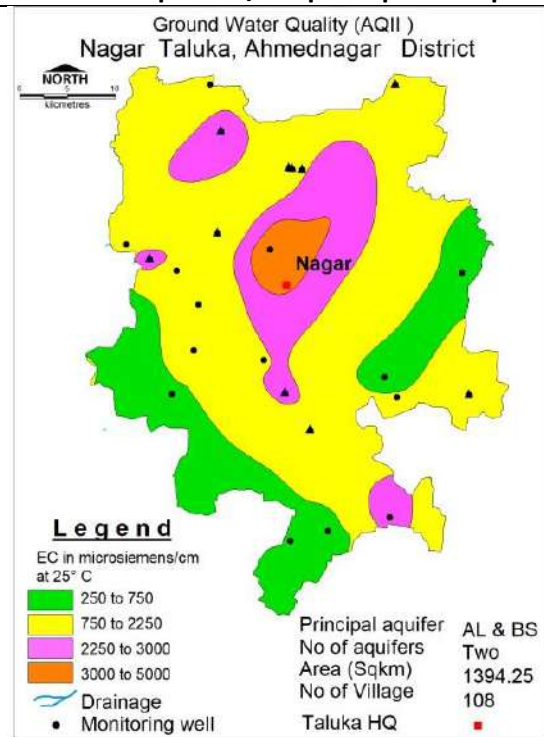
#### 4. 1 Aquifer-II/Deeper Aquifer

EC >2250  $\mu$ S/cm is observed in central and northern part. Overall the ground water quality of deeper aquifer is suitable for irrigation purpose and for drinking purpose with primary treatment.

**Aquifer-I/Shallow Aquifer map**



**Aquifer-II/Deeper Aquifer map**

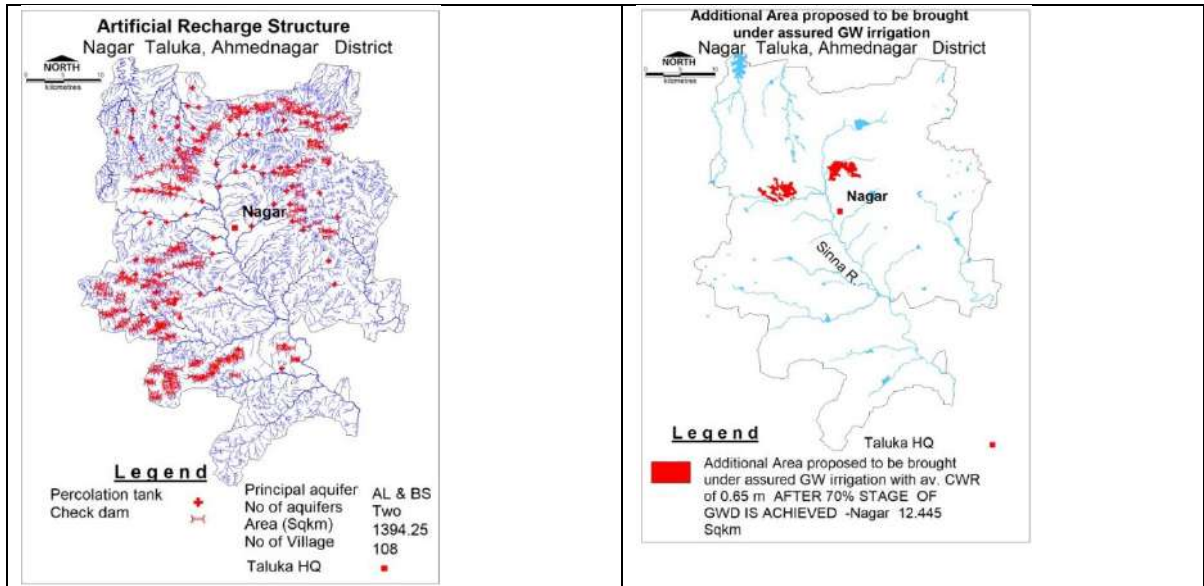


### 5. GROUND WATER RESOURCES



<b>5.1 Aquifer-I/Shallow Aquifer</b>				
Ground Water Recharge Worthy Area (Sq. Km.)				1260.63
Poor Quality (sq. km.)				58.04
Total Annual Ground Water Recharge (MCM)				154.12
Natural Discharge (MCM)				7.71
Net Annual Ground Water Availability (MCM)				146.41
Existing Gross Ground Water Draft for irrigation (MCM)				105.73
Existing Gross Ground Water Draft for domestic and industrial water supply (MCM)				3.26
Existing Gross Ground Water Draft for All uses(MCM)				108.98
Provision for domestic and industrial requirement supply to 2025(MCM)				6.47
Net Ground Water Availability for future irrigation development (MCM)				35.90
Stage of Ground Water Development (%)				74.44
Category				SAFE
<b>5.2 Aquifer-II/Deeper Aquifer</b>				
Total Area (Sq. Km.)	Mean aquifer thickness (m)	S	Piezometric Head (m above confining layer)	Total Resource (MCM)
828.6	0.5	0.0000052	15	3.79
383.29	2	0.0000052	25	3.88
108.77	4.5	0.000054	25	1.12
12.15	7.5	0.000057	25	0.84
61.34	10.5	0.00002	45	3.27
<b>TOTAL</b>				<b>12.9</b>
<b>6. GROUND WATER RESOURCE MANAGEMENT</b>				
Available Resource (MCM)				146.41
Gross Annual Draft (MCM)				108.98
Supply Side Management				
<b>6.1 SUPPLY SIDE MANAGEMENT</b>				
Agricultural Supply -GW				105.73
Agricultural Supply -SW				0
Domestic Supply - GW				3.26
Domestic Supply - SW				0.81
Total Supply				108.98
Area of Block (Sq. Km.)				1502.52
Area suitable for Artificial recharge (Sq. Km)				1260.63
Type of Aquifer				Hard Rock
Area feasible for Artificial Recharge (WL >5mbgl) (Sq. Km.)				1100 aprox
Volume of Unsaturated Zone (MCM)				2335.46
Average Specific Yield				0.02
Volume of Sub Surface Storage Space available for Artificial Recharge (MCM)				46.71
Surplus water Available (MCM)				26.97
Proposed Structures	Percolation Tank (Av. Gross Capacity-100 TCM*2 fillings = 200 TCM)		Check Dam (Av. Gross Capacity-10 TCM * 3 fillings = 30 TCM)	
Number of Structures	94		263	
Volume of Water expected to be conserved / recharged @ 75% efficiency (MCM)	14.10		5.92	
RTRWH Structures – Urban Areas				
Households to be covered (25% with 50 m2area)				36184

Total RWH potential (MCM)	1.02
Rainwater harvested / recharged @ 80% runoff co-efficient	0.82
<b>6.2 Demand Side Management</b>	
Micro irrigation techniques	
Irrigation Area (sq. km.) proposed for irrigation through drip	1
Water Saving by use of drip	0.57
Proposed Cropping Pattern change	
Ground water Irrigated area under Water Intensive Crop (sq.km)	nil
Water Saving by water use efficiency (MCM)	nil
<b>6.3 EXPECTED BENEFITS</b>	
Net Ground Water Availability (MCM)	146.41
Additional GW resources available after Supply side interventions (MCM)	20.02
Ground Water Availability after Supply side intervention	166.43
Existing Ground Water Draft for All Uses (MCM)	108.98
GW draft after Demand Side Interventions (MCM)	108.41
Present stage of Ground Water Development (%)	74.44
Expected Stage of Ground Water Development after interventions (%)	65
Other Interventions Proposed, if any	
Alternate Water Sources Available	Nil
<b>6.4 DEVELOPMENT PLAN</b>	
Additional Area (sq.km.) proposed to be brought under assured GW irrigation with av. CWR of 0.65 m	12.44
<b>Regulatory Measures</b>	60m borewells/tube wells
Proposed locations for AR structures	Additional area proposed to be bought under assured GW irrigation



## 12.0 AQUIFER MAPS AND GROUND WATER MANAGEMENT PLAN, NEWASA BLOCK, AHMEDNAGAR DISTRICT, MAHARASHTRA

<b>1. SALIENT FEATURE</b>	
<b>1.1 Introduction</b>	
Block Name	Newasa
Geographical Area (Sq. Km.)	1355.16 Sq. Km.
Forest Area (Sq. Km)	14.59 Sq. Km.
Population (2011)	3,57,829
Climate	Monsoon sub-tropical
<b>1.2 Rainfall Analysis</b>	
Normal Rainfall	566.1 mm
Annual Rainfall (2017)	786.5 mm
Decadal Average Annual Rainfall (2008-17)	591.6 mm
Long Term Rainfall Analysis (1901-2017)	Falling Trend 0.4963 mm/year. Probability of Normal/Excess Rainfall: 55%/23%. Probability of Drought (Moderate/Severe)-: 16 % Moderate & 6% Severe.
<b>Rainfall Trend 2017</b>	
EQUATION OF TREND LINE: $Y = -0.49x + 594.79$	
<b>1.3 Geomorphology, Soil &amp; Geology</b>	
Geomorphic Unit	The block is occupied by moderately dissected plateau with exposed rock and thin soil cover in isolated areas, moderate soil cover in central and western part and thick soil cover in rest of the block. The alluvium plains occupy the northern part adjacent to Godavari river.
Geology	Alluvium (sand/ silt and clay alternating beds), Age: Recent to Sub-recent occupy northern part adjacent to Godavari river Deccan Traps (Basalt), Age: Late Cretaceous to Eocene occupies rest of the block.
Soil	Clayey moderately deep to very deep occupy major part of the area. Central and south western part is occupied by gravelly sandy clay loam with shallow depth.
<b>1.4 Hydrology &amp; Drainage</b>	
Drainage	The block is drained by tributaries of Godavari River. The main tributary is flowing through the block is Pravara River and its tributaries

Hydrology	Major project	-
	Medium	-
	Minor Irrigation Project (100 to 250 Ha.)	Local sector: 10
	Minor Irrigation Project (0 to 100 Ha.)	10 PT, 16 KT Weirs & 92 SB

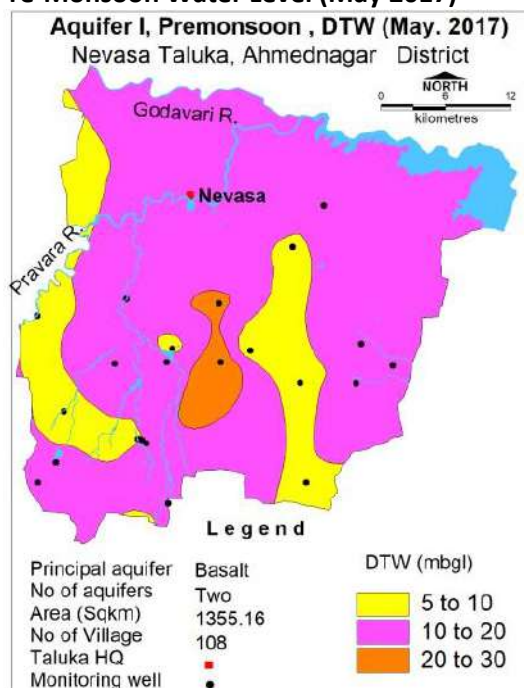
### 1.5 Land Use, Agriculture, Irrigation & Cropping Pattern

Geographical Area		1355.16 Sq. Km.
Forest Area		14.59 Sq. Km.
Cultivable Area		1319.05 Sq. Km.
Net Sown Area		1249.64 Sq. Km.
Double Cropped Area		174.52 Sq. Km.
Area under Irrigation	Surface Water	324.09 Sq. Km.
	Ground Water	118.87 Sq. Km.
Area under Drip & Sprinkler Irrigation		32.86 Sq. Km.
Principal Crops (Reference year 2013-14)	<b>Crop Type</b>	<b>Area (Sq. Km.)</b>
	Cotton	280.06
	Cereals	515.45
	Pulses	40.51
	Oil Seeds	16.54
Horticultural Crops	Citrous fruit	0.31
	Sugarcane	471.40
	Others (fruit and vegetables)	28.84

### 1.6 Water Level Behavior

#### 1.6.1 Aquifer-I/Shallow Aquifer

##### Pre-Monsoon Water Level (May 2017)

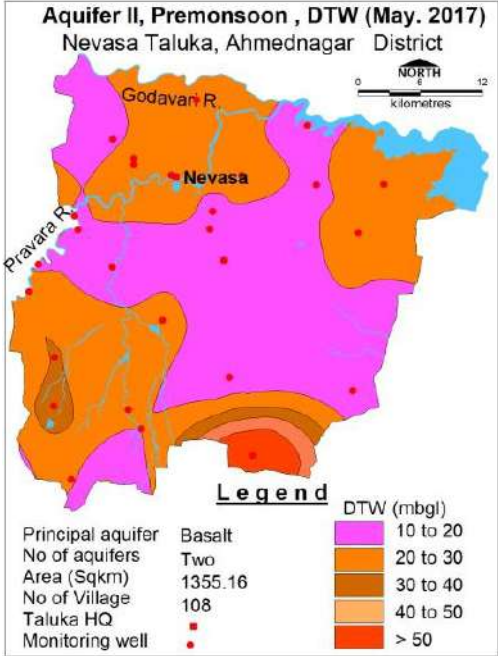
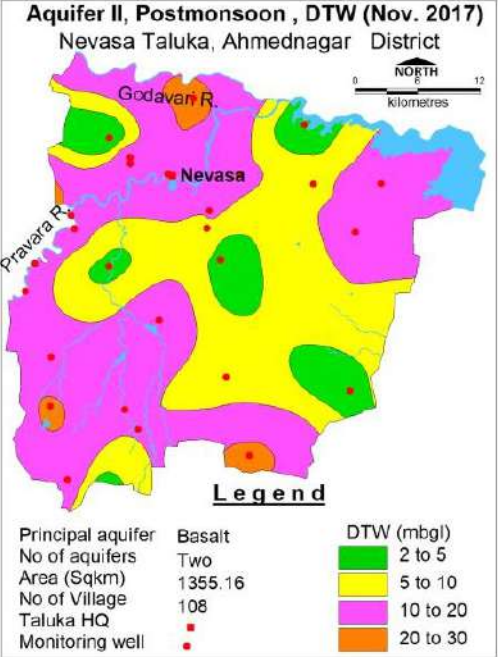
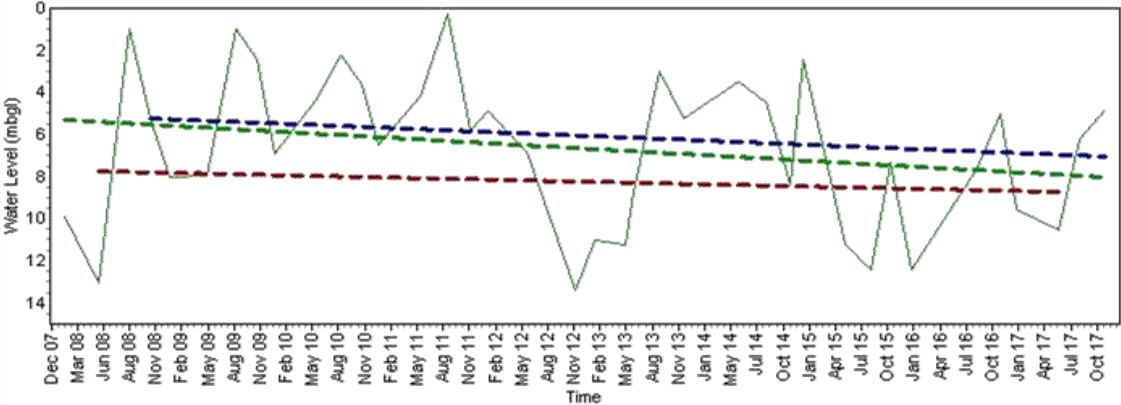


Water level less than 10 mbgl is observed in narrow strip in western part and central part. While, water level in the range of 10 to 20 mbgl is observed in almost entire block; deeper

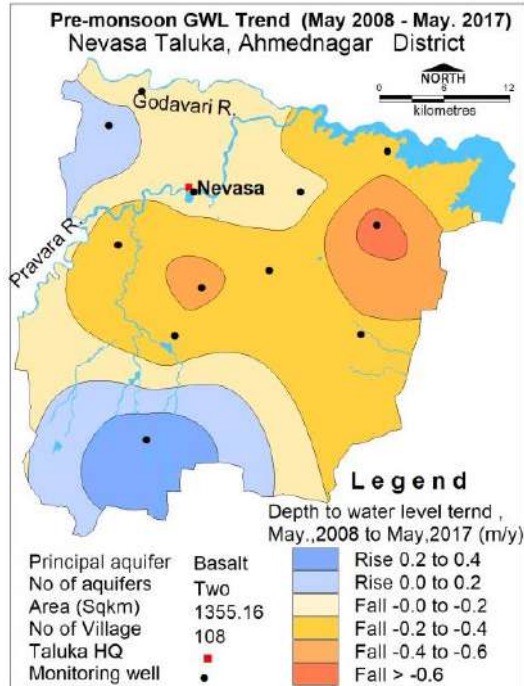
##### Post-Monsoon Water Level (Nov. 2017)



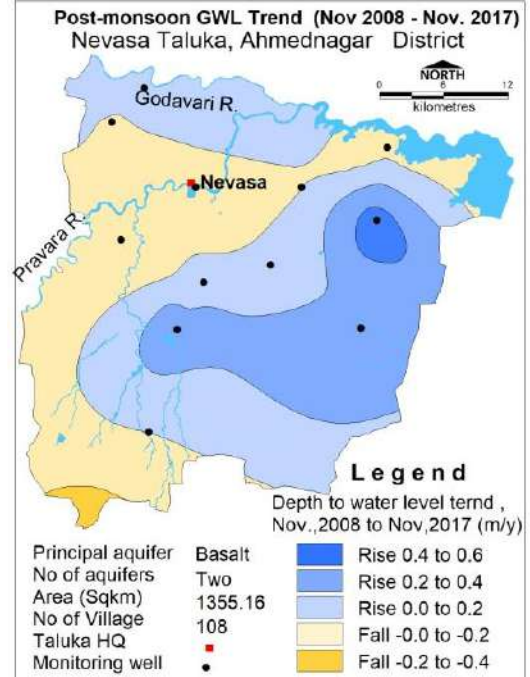
Water Level less than 10 mbgl is observed in almost entire block. Deeper water level between 10 to 20 mbgl is observed in isolated patches in northern and southern part of the

<p>water level more than 20 mbgl is observed as isolated patch in central part of the block.</p>	<p>block.</p>
<p><b>1.6.2 Aquifer-II/Deeper Aquifer</b></p>	
<p><b>Pre-Monsoon Water Level (May 2017)</b> Water level between 10-20 and 20-30 mbgl is observed in almost entire block. Deeper water level &gt;30 mbgl is observed in southern part of the block.</p>  <p><b>Aquifer II, Premonsoon , DTW (May. 2017)</b> Nevasa Taluka, Ahmednagar District</p> <p>Principal aquifer Basalt No of aquifers Two Area (Sqkm) 1355.16 No of Village 108 Taluka HQ Monitoring well</p> <p>DTW (mbgl) 10 to 20 20 to 30 30 to 40 40 to 50 &gt; 50</p>	<p><b>Post-Monsoon Water Level (Nov. 2017)</b> Water level &lt;20 mbgl is observed in major part of the block while water level more than 20 mbgl is observed in isolated patches in northern southern and southwestern part of the block.</p>  <p><b>Aquifer II, Postmonsoon , DTW (Nov. 2017)</b> Nevasa Taluka, Ahmednagar District</p> <p>Principal aquifer Basalt No of aquifers Two Area (Sqkm) 1355.16 No of Village 108 Taluka HQ Monitoring well</p> <p>DTW (mbgl) 2 to 5 5 to 10 10 to 20 20 to 30</p>
<p><b>Hydrographs</b></p>	
<p>Hydrograph</p> <p>Site Name : Shirasgaon State : Maharashtra District : Ahmednagar Tahsil : NEVASA Block : NEVASA Village : Shirasgaon</p>  <p>Water Level (mbgl)</p> <p>Time</p> <p>Pre-Monsoon Water Level Trend: <math>Y = -0.008766X + 7.725680</math> Post Monsoon Water Level Trend: <math>Y = -0.016278X + 5.242356</math> All Water Level Trend: <math>Y = -0.023366X + 5.291663</math></p>	
<p>Hydrograph shows Pre-monsoon falling water level trend @ 0.0087 m/year</p>	<p>Hydrograph shows Post- monsoon falling water level trend @ 0.016 m/year</p>
<p><b>Pre-Monsoon Water Level Trend (2008-2017)</b> Rising 0.0 to 0.4 m/year Falling 0.0 to 0.6 and &gt;6m/year</p>	<p><b>Post-Monsoon Water Level Trend (2008-2017)</b> Rising 0.0 to 0.6 m/year Falling 0.0 to 0.4 m/year</p>
<p>Almost entire taluka is showing falling trend,</p>	<p>Almost entire taluka is showing rising trend.</p>

except north western and southern part of the block. Falling trend > 0.4 m is observed in eastern part of the block.



Except southern, southwestern and northwestern part where it shows falling trend th the range of 0 to 2 m.



## 2. Ground Water Issues

1. Over exploitation
2. Limited aquifer potential
3. Water scarcity in lean period
4. Declining Water Level trend is observed in almost entire block.

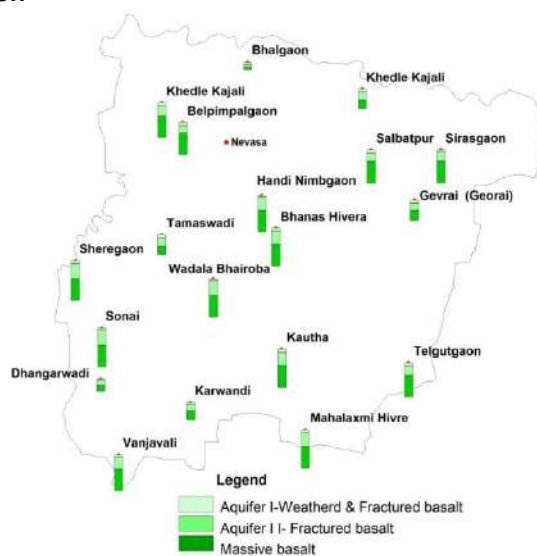
## 3. AQUIFER DISPOSITION

### 3.1 Number of Aquifers

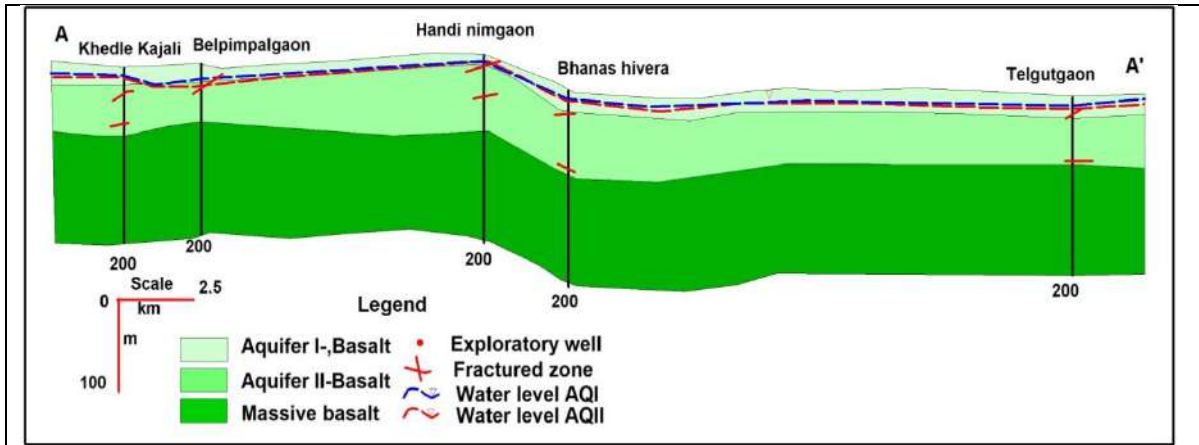
Basalt – Aquifer-I (weathered & fractured basalt)

Basalt – Aquifer-II (Jointed & fractured basalt)

### 3.2 Lithological Disposition



### 3.3 Cross Sections: Section AA'

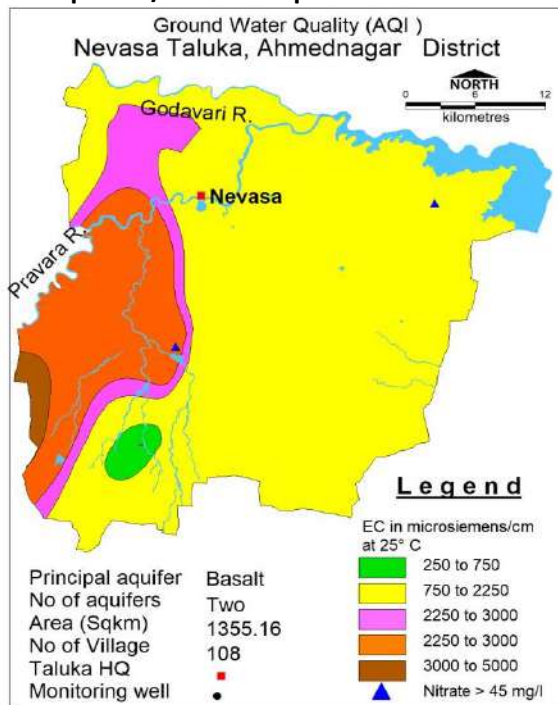


### 3.4 Aquifer Characteristics

Major Aquifers	Basalt (Deccan Traps)	
Type of Aquifer (Phreatic/Semi-confined/Confined)	Aquifer-I (Phreatic)	Aquifer-II (Semi-confined /confined)
Depth of Occurrence (mbgl)	9-25	23-162
Granular/weathered/fractured rocks thickness (m)	5-16	0.5-6
Yield	10-100 m <sup>3</sup> /day	Upto 2.5 lps
Specific yield/ Storativity (S)	0.019 – 0.028	0.00002 -0.00003
Transmissivity (T)	30-80 m <sup>2</sup> /day	25-344 m <sup>2</sup> /day

## 4. GROUND WATER QUALITY

### 4.1 Aquifer-I/Shallow Aquifer



EC > 2250 µS/cm has been observed in western part of block. Whereas, rest of the area shows EC < 2250 µS/cm

### 4.2 Aquifer-II/Deeper Aquifer



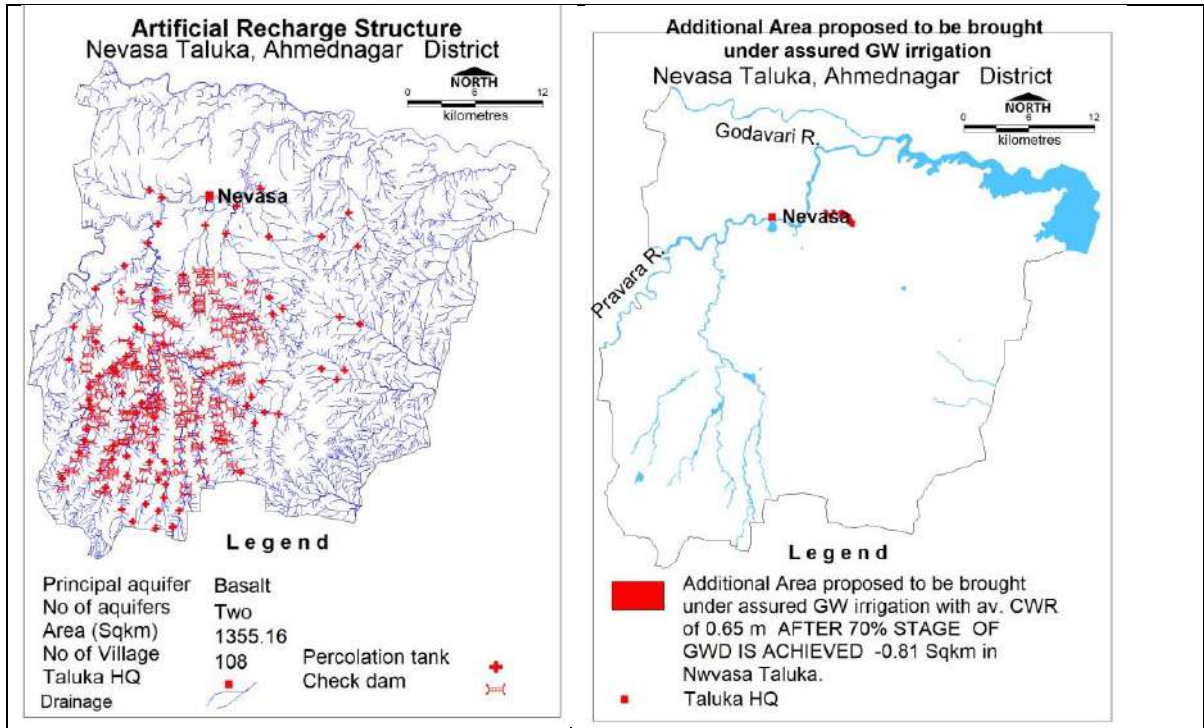
The ground water quality of deeper aquifer is suitable for irrigation purpose. Few isolated patches in the northern part shows EC > 2250 µS/cm. However, the ground water is fit for drinking purpose with primary treatment.

## 5. GROUND WATER RESOURCES



<b>5.1 Aquifer-I/Shallow Aquifer</b>				
Ground Water Recharge Worthy Area (Sq. Km.) (command=820.33, non-command=489.62 poor quality=17.84)				1327.79
Total Annual Ground Water Recharge (MCM) (command=150.32, non-command=56.21)				206.53
Natural Discharge (MCM)				10.35
Net Annual Ground Water Availability (MCM)				196.17
Existing Gross Ground Water Draft for irrigation (MCM)				165.57
Existing Gross Ground Water Draft for domestic and industrial water supply (MCM)				3.47
Existing Gross Ground Water Draft for All uses(MCM)				169.04
Provision for domestic and industrial requirement supply to 2025(MCM)				6.23
Net Ground Water Availability for future irrigation development (MCM)				28.03
Stage of Ground Water Development (%)				86.17
Category				Semi-Critical
<b>5.2 Aquifer-II/Deeper Aquifer</b>				
Total Area (Sq. Km.)	Mean aquifer thickness (m)	S	Piezometric Head (m above confining layer)	Total Resource (MCM)
131.38	0.5	0.00002		0.1970835
663.49	2	0.00002		7.0993858
560.24	4.5	0.00002		5.4343474
TOTAL				12.73
<b>6. GROUND WATER RESOURCE MANAGEMENT</b>				
Available Resource (MCM)				196.17
Gross Annual Draft (MCM)				169.04
<b>6.1 Supply Side Management</b>				
<b>SUPPLY (MCM)</b>				
Agricultural Supply -GW				165.57
Agricultural Supply -SW				559.26
Domestic Supply - GW				3.47
Domestic Supply - SW				0.87
Total Supply				729.17
Area of Block (Sq. Km.)				1355.16
Area suitable for Artificial recharge (Sq. Km)				1327.79
Type of Aquifer				Hard Rock
Area feasible for Artificial Recharge (WL >5mbgl) (Sq. Km.)				Approx 1000
Volume of Unsaturated Zone (MCM)				1894.28
Average Specific Yield				0.02
Volume of Sub Surface Storage Space available for Artificial Recharge (MCM)				37.89
Surplus water Available (MCM)				22
Proposed Structures		Percolation Tank (Av. Gross Capacity-100 TCM*2 fillings = 200 TCM)		Check Dam (Av. Gross Capacity-10 TCM * 3 fillings = 30 TCM)
Number of Structures		79		200
Volume of Water expected to be conserved / recharged @ 75% efficiency (MCM)		11.85		4.5
<b>RTRWH Structures – Urban Areas</b>				
Households to be covered (25% with 50 m2area)				18197
Total RWH potential (MCM)				0.47

Rainwater harvested / recharged @ 80% runoff co-efficient	0.37
<b>6.2 Demand Side Management</b>	
Micro irrigation techniques	
Sugarcane cropped Irrigation Area (sq. km.) proposed for irrigation through drip	30
Water Saving by use of drip	17.1
Proposed Cropping Pattern change	
Ground water Irrigated area under Water Intensive Crop (sq.km)	5
Water Saving by water use efficiency (MCM)	8.25
<p><b>DEMAND SIDE INTERVENTION</b> Nevasa Taluka, Ahmednagar District</p> <p>Godavari R. Pravara R. Nevasa Taluka HQ Drainage</p> <p><b>Legend</b></p> <ul style="list-style-type: none"> <li><span style="color: red;">■</span> Sugarcane crop area proposed to be covered under drip irrigation in -Nevasa Taluka 22 sqkm.</li> <li><span style="color: green;">■</span> Cropping patten Change Sugarcane crop to Pomegranate in Nevasa 5 Sqkm .</li> </ul>	
<b>6.3 Expected Benefits</b>	
Net Ground Water Availability (MCM)	196.17
Additional GW resources available after Supply side interventions (MCM)	16.35
Ground Water Availability after Supply side intervention	212.52
Existing Ground Water Draft for All Uses (MCM)	169.04
GW draft after Demand Side Interventions (MCM)	143.69
Present stage of Ground Water Development (%)	86.17
Expected Stage of Ground Water Development after interventions (%)	73.24
Other Interventions Proposed, if any	
Alternate Water Sources Available	Nil
<b>6.4 Development Plan</b>	
Additional Area (sq.km.) proposed to be brought under assured GW irrigation with av. CWR of 0.65 m	7.82
Regulatory Measures	60m borewells/tube wells
Proposed locations for AR structures	Additional area proposed to be bought under assured GW irrigation



## 13.0 AQUIFER MAPS AND GROUND WATER MANAGEMENT PLAN, RAHATA BLOCK, AHMEDNAGAR DISTRICT, MAHARASHTRA

<b>1. SALIENT FEATURE</b>		
<b>1.1 Introduction</b>		
Block Name	Rahata	
Geographical Area (Sq. Km.)	687.86 Sq. Km.	
Forest Area (Sq. Km)	0 Sq. Km.	
Population (2011)	3,20,485	
Climate	Monsoon sub-tropical	
<b>1.2 Rainfall Analysis</b>		
Normal Rainfall	519.2 mm	
Annual Rainfall (2017)	712.9 mm	
Decadal Average Annual Rainfall (2008-17)	518.71 mm	
Long Term Rainfall Analysis (1998-2017)	Rising Trend 0.298 mm/year. Probability of Normal/Excess Rainfall: 58%/21%. Probability of Drought (Moderate/Severe):-: 21 % Moderate & 0% Severe.	
<b>Rainfall Trend 2017)</b>		
<p style="text-align: center;"><b>RAINFALL ANALYSIS-RAHATA TALUKA</b></p> <p style="text-align: center;"><math>y = 0.2985x + 515.91</math></p>		
<b>1.3 Geomorphology, Soil &amp; Geology</b>		
Geomorphic Unit	The block is covered by moderately dissected plateau with moderate soil cover followed by thick soil cover and exposed rock with thin soil cover. Alluvium plain occupies northern part all along the Godavari basin.	
Geology	Alluvium (sand/ silt and clay alternating beds), Age: Recent to Sub-recent Deccan Traps (Basalt) Age: Late Cretaceous to Eocene	
Soil	Maximum area of the block is covered by very deep clayey soil followed by sandy and gravelly clayey loam.	
<b>1.4 Hydrology &amp; Drainage</b>		
Drainage	Godavari and its tributaries. Sub-parallel to sub-dendritic.	
Hydrology	Major project	-
	Medium	-
	Minor Irrigation Project (100 to 250 Ha.)	Local sector: 11
	Minor Irrigation Project (0 to 100 Ha.)	2 KT Weirs & 27 SB
<b>1.5 Land Use, Agriculture, Irrigation &amp; Cropping Pattern</b>		
Geographical Area	687.86 Sq. Km.	
Forest Area	0 Sq. Km.	
Cultivable Area	703.71 Sq. Km.	
Net Sown Area	695.79 Sq. Km.	
Double Cropped Area	7.92 Sq. Km.	
Area under Irrigation	Surface Water	59.10 Sq. Km.
	Ground Water	52.92 Sq. Km.
Principal Crops	Crop Type	Area (Sq. Km.)

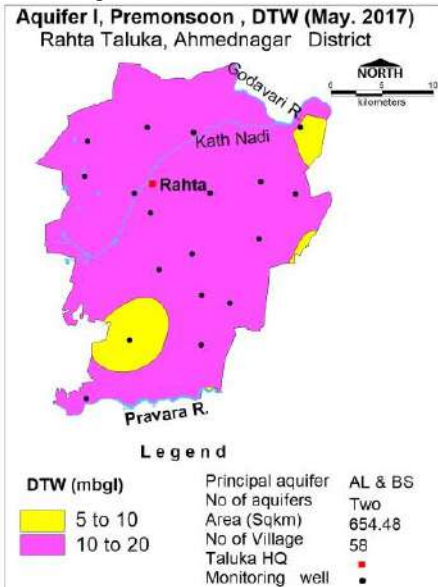
(Reference year 2013-14)	Cotton	10.73
	Cereals	437.65
	Pulses	28.49
	Oil Seeds	143.27
Horticultural Crops	Citrous fruit	0
	Sugarcane	33.14
	Others (fruit and vegetables)	11.94

**1.6 Water Level Behavior**

**1.6.1 Aquifer-I/Shallow Aquifer**

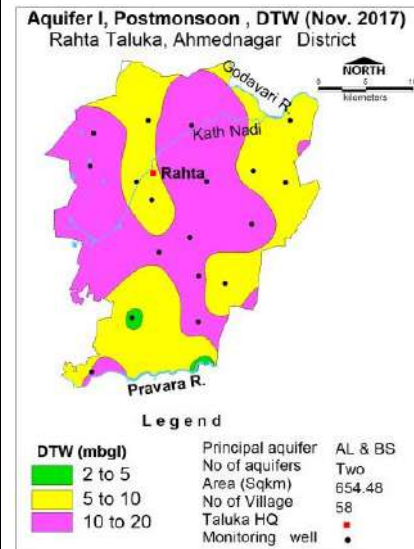
**Pre-Monsoon Water Level (May 2017)**

Water level less than 10 mbgl is observed in isolated patches of the block while water level in the range of 10 to 20 mbgl is observed in almost entire block.



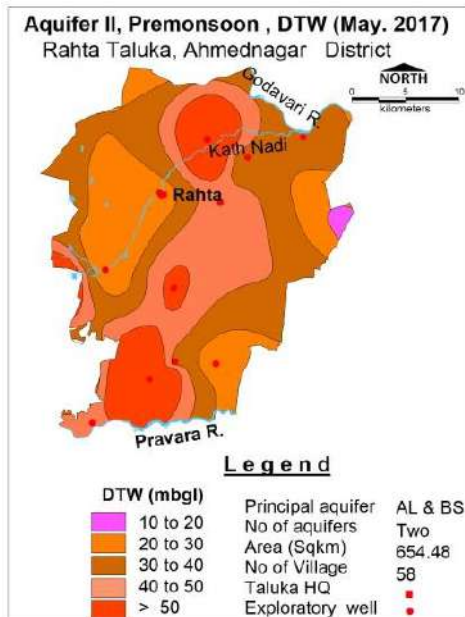
**Post-Monsoon Water Level (Nov. 2017)**

Water Level less than 5 mbgl is observed in isolated patches in southern part of block. Water level between 5 to 10 mbgl and 10 to 20 mbgl is observed in almost entire block.



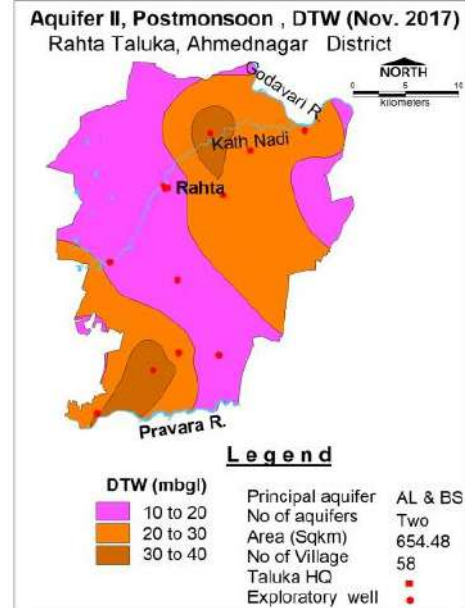
**1.6.2 Aquifer-II/Deeper Aquifer**

**Pre-Monsoon Water Level (May 2017)**



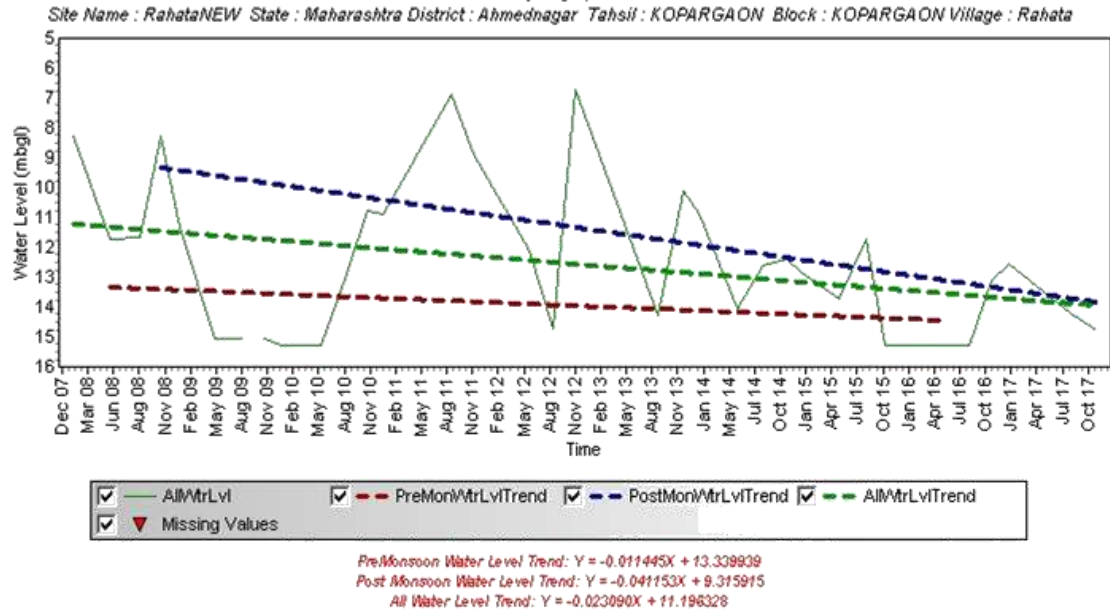
Water level <20 mbgl is observed in isolated patch in eastern part of the block. Whereas, water level >50 mbgl is observed in northern and southern part of the block. Rest of the area shows water level in the range between 20-50 mbgl.

**Post-Monsoon Water Level (Nov. 2017)**



Water level <20 mbgl is observed in central south eastern and north western part. Water level >20 mbgl is observed in eastern, northeastern and south western part of the block.

### 1.7 Hydrographs & Water Level Trend (2008-2017)

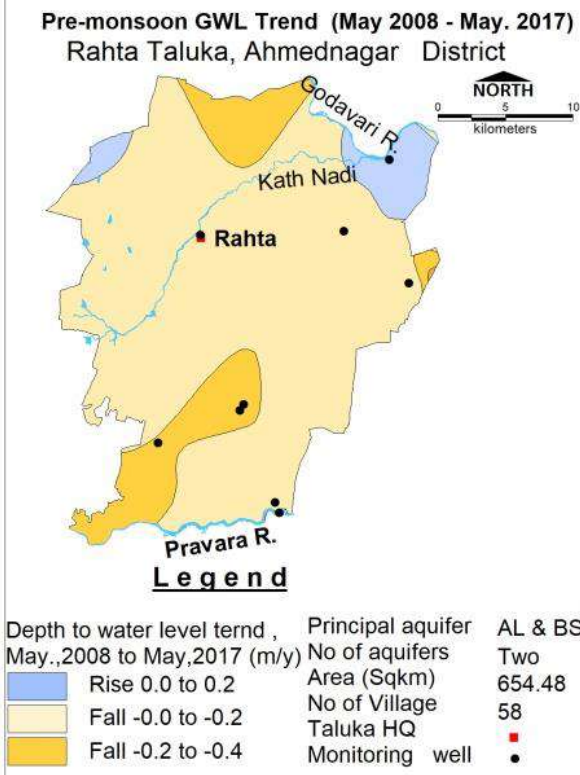


Hydrograph shows Pre-monsoon falling water level trend @ 0.011 m/year

Hydrograph shows Post-monsoon falling water level trend @ 0.41 m/year

#### Pre-Monsoon Water Level Trend (2008-2017)

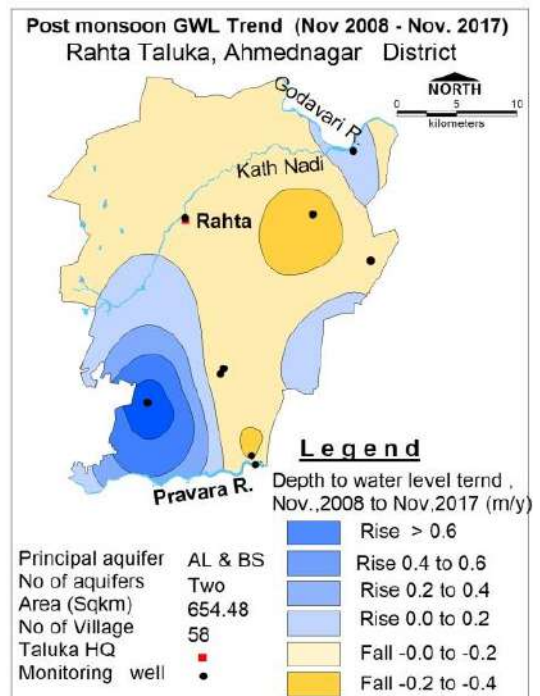
Pre-Monsoon trend  
 Rising 0.0 to 0.2 m/year  
 Falling 0.0 to 0.4 m/year



Almost entire taluka is showing falling trend, except north eastern part of the block.

#### Post-Monsoon Water Level Trend (2008-2017)

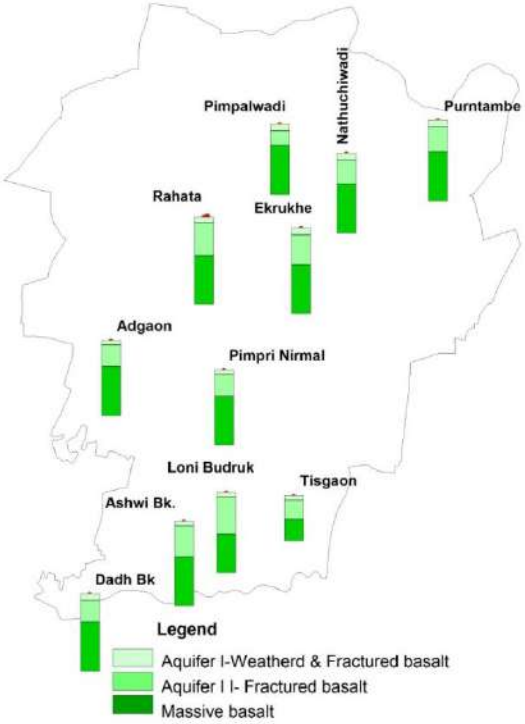
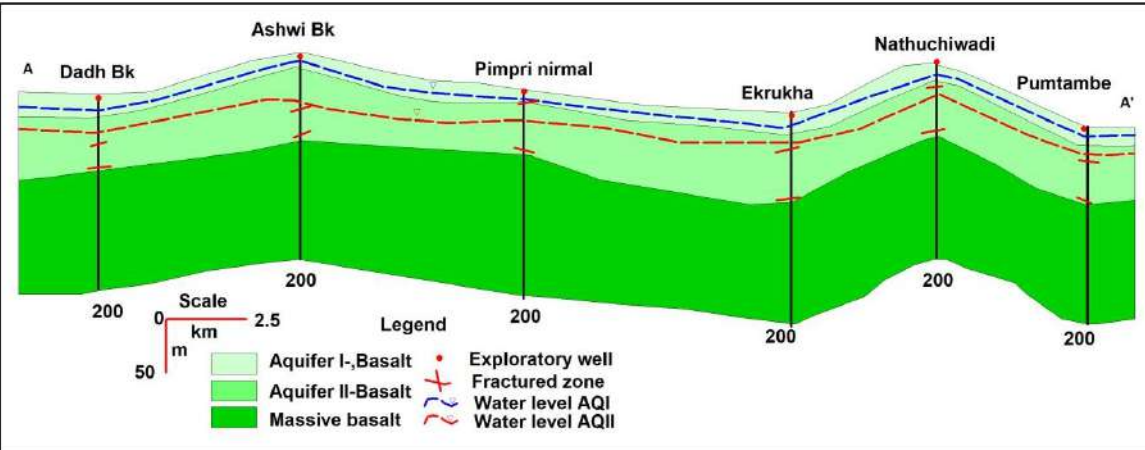
Post-Monsoon trend  
 Rising 0.0 to 0.6 m/year  
 Falling 0.0 to 0.4 m/year

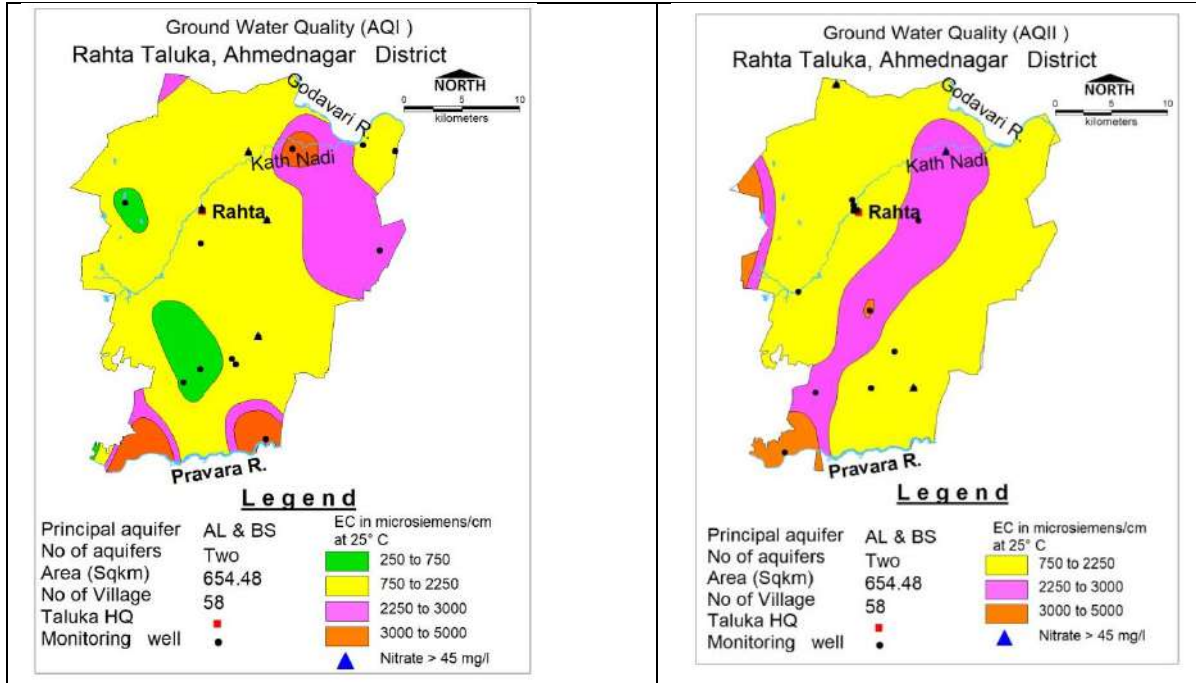


Southern and south western part shows rising trend with isolated patches in eastern and north eastern part. Rest of the area shows falling trend in the range between 0 to 0.4 m

### 2.0 GROUND WATER ISSUES

Over exploitation  
 Limited aquifer potential  
 Water scarcity in lean period  
 Declining Water Level trend is observed in almost entire block.

<b>3.0 AQUIFER DISPOSITION</b>		
<b>3.1 Number of Aquifers</b>	Basalt – Aquifer-I (weathered & fractured basalt) Basalt – Aquifer-II (Jointed & fractured basalt)	
<b>3.2 Lithological disposition</b>		
		
<b>3.3 Cross Sections: Section AA'</b>		
		
<b>3.4 Aquifer Characteristics</b>		
<b>Major Aquifers</b>	<b>Basalt (Deccan Traps)</b>	
Type of Aquifer (Phreatic/Semi-confined/ Confined)	Aquifer-I (Phreatic)	Aquifer-II (Semi-confined /confined)
Depth of Occurrence (mbgl)	9 - 35	40 - 156
Granular /weathered/ fractured rocks thickness (m)	6 – 13	0.5 - 9
Yield	10 - 100m <sup>3</sup> /day	Upto 2.5 lps
Specific yield/Storativity (S)	0.019 – 0.028	0.00002 -0.000057
Transmissivity (T)	30-80 m <sup>2</sup> /day	25-125 m <sup>2</sup> /day
<b>4. GROUND WATER QUALITY</b>		
<b>4.1 Aquifer-I/Shallow Aquifer</b> EC > 2250 but < 3000 $\mu$ S/cm has been observed in eastern and north eastern part of the block. EC > 3000 $\mu$ S/cm is observed in southern and isolated patch in northern part.	<b>4.2 Aquifer-II/Deeper Aquifer</b> The ground water quality of deeper aquifer is suitable for irrigation purpose. However, the ground water is fit for drinking purpose with primary treatment.	



## 5. GROUND WATER RESOURCES

### 5.1 Aquifer-I/Shallow Aquifer

Ground Water Recharge Worthy Area (Sq. Km.) (Command=487.60, non-command=166.88)	654.48
Total Annual Ground Water Recharge (MCM) (Command=80.09, non-command=16.70)	96.79
Natural Discharge (MCM) (Command=4, non-command=0.84)	8.84
Net Annual Ground Water Availability (MCM) (Command=76.08, non-command=15.87)	90.95
Existing Gross Ground Water Draft for irrigation (MCM) (Command=75.83, non-command=17.60)	93.43
Existing Gross Ground Water Draft for domestic and industrial water supply (MCM)	1.74
Existing Gross Ground Water Draft for All uses(MCM)	95.17
Provision for domestic and industrial requirement supply to 2025(MCM)	3.03
Net Ground Water Availability for future irrigation development (MCM)	4.34
Stage of Ground Water Development (%)	103.51
Category	Over-Exploited

### 5.2 Aquifer-II/Deeper Aquifer

Total Area (Sq. Km.)	Mean aquifer thickness (m)	S	Piezometric Head (m above confining layer)	Total Resource (MCM)
105.076	0.5	0.000057	0.149	0.412
223.35	2	0.000057	0.19	1.08
290.42	4.5	0.000057	0.413	12.17
35.81	7.5	0.000052	0.0093	1.35
<b>TOTAL</b>				<b>15.02</b>

## 6. GROUND WATER RESOURCE MANAGEMENT

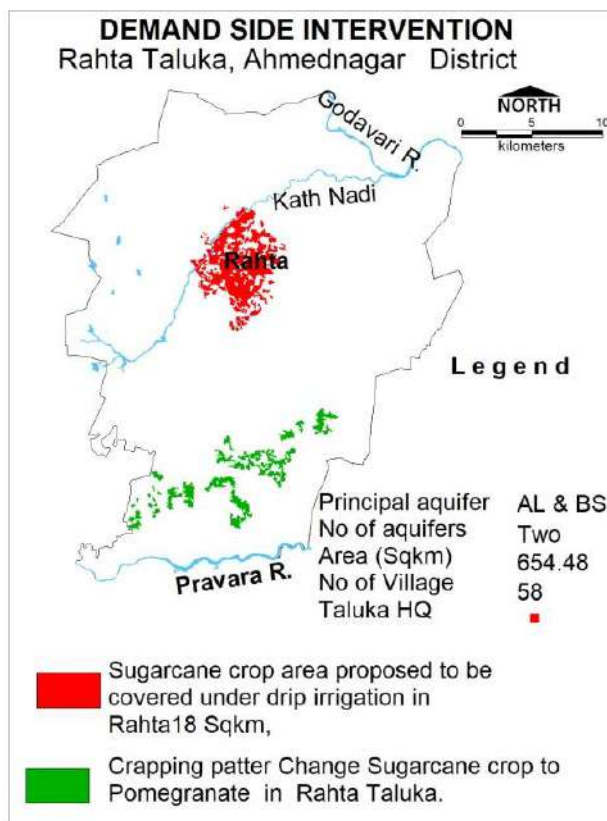
Available Resource (MCM)	90.95
Gross Annual Draft (MCM)	95.17

### 6.1 Supply Side Management

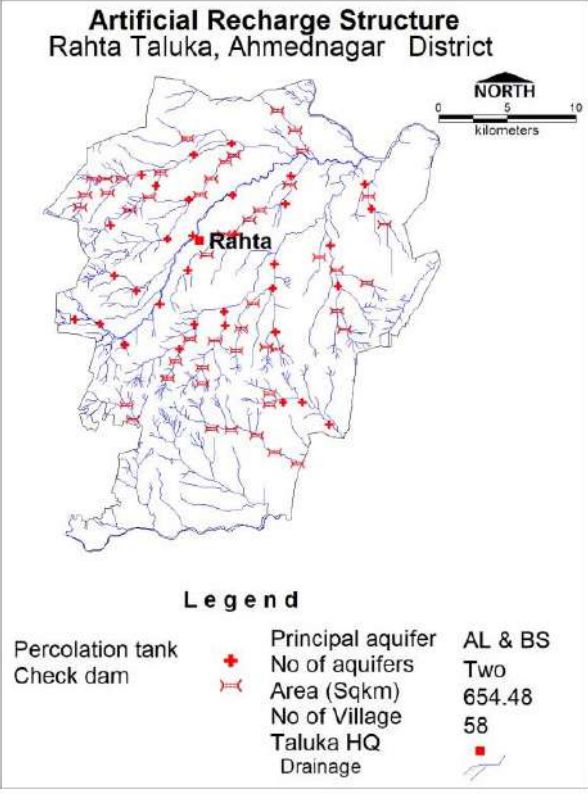
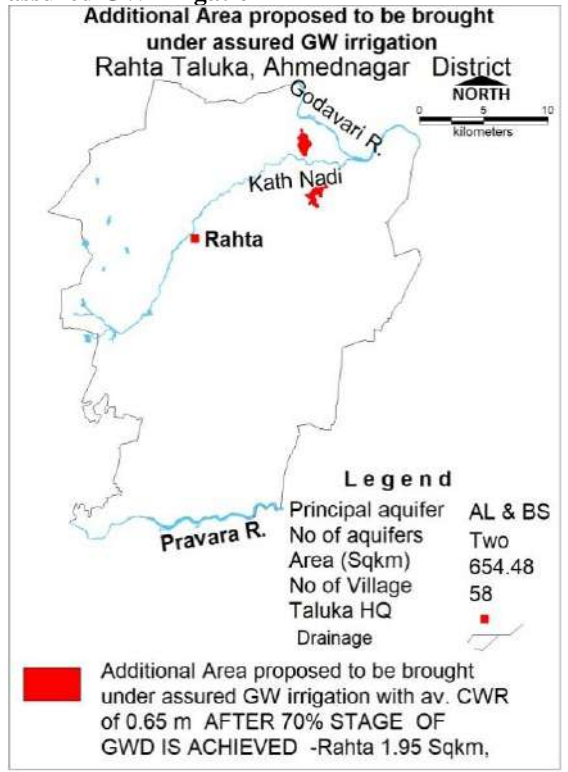
<b>SUPPLY (MCM)</b>	
Agricultural Supply -GW	93.43
Agricultural Supply -SW	521.82
Domestic Supply - GW	1.74
Domestic Supply - SW	0.435



Total Supply		617.42
Area of Block (Sq. Km.)		654.48
Area suitable for Artificial recharge(Sq. Km)		654.48
Type of Aquifer		Hard Rock
Area feasible for Artificial Recharge (WL >5mbgl) (Sq. Km.)		Approx 650
Volume of Unsaturated Zone (MCM)		877.69
Average Specific Yield		0.02
Volume of Sub Surface Storage Space available for Artificial Recharge (MCM)		17.55
Surplus water Available (MCM)		10.14
Proposed Structures	Percolation Tank (Av. Gross Capacity-100 TCM*2 fillings = 200 TCM)	Check Dam (Av. Gross Capacity-10 TCM * 3 fillings = 30 TCM)
Number of Structures	35	104
Volume of Water expected to be conserved / recharged @ 75% efficiency (MCM)	5.25	2.34
<b>RTRWH Structures – Urban Areas</b>		
Households to be covered (25% with 50 m2area)		64711
Total RWH potential (MCM)		1.67
Rainwater harvested / recharged @ 80% runoff co-efficient		1.33
<b>6.2 Demand Side Management</b>		
Micro irrigation techniques		
Irrigation Area (sq. km.) proposed for irrigation through drip		18
Water Saving by use of drip		10.26
Proposed Cropping Pattern change		
Sugarcane to pomegranate (sq.km)		10.00
Water Saving by water use efficiency (MCM)		16.50



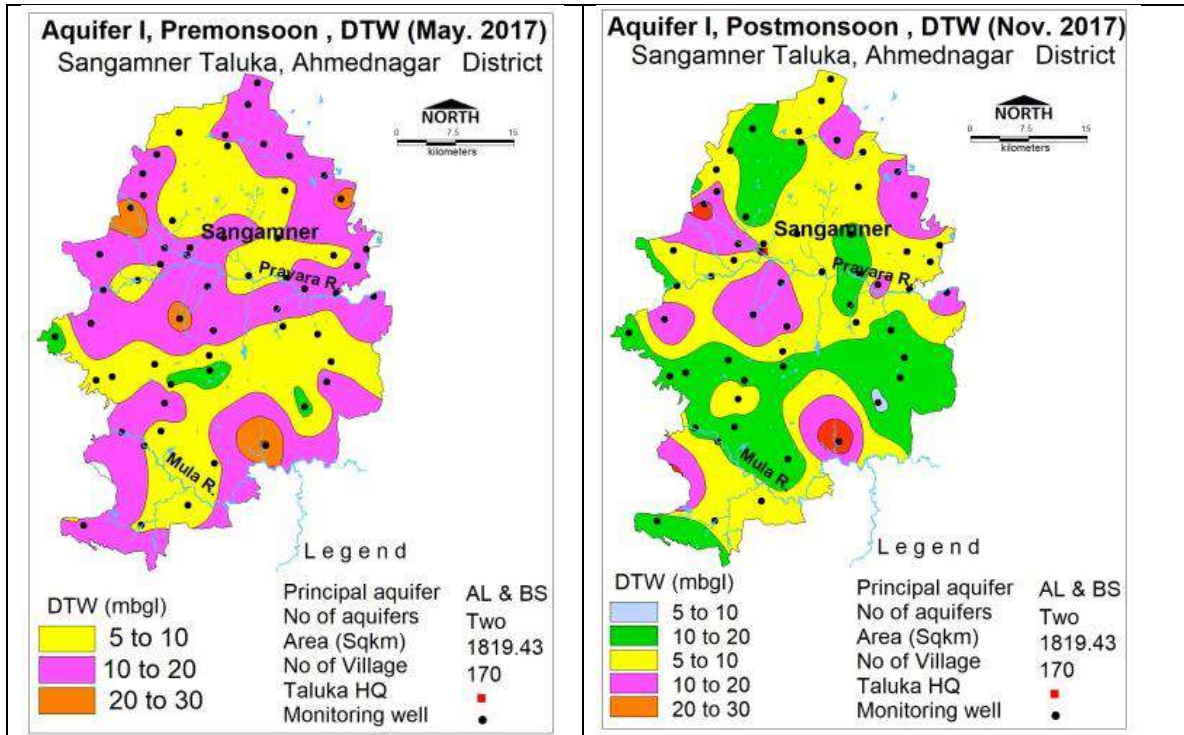
<b>6.3 Expected Benefits</b>	
Net Ground Water Availability (MCM)	90.95
Additional GW resources available after Supply side interventions (MCM)	7.59
Ground Water Availability after Supply side intervention	98.54

Existing Ground Water Draft for All Uses (MCM)	95.17
GW draft after Demand Side Interventions (MCM)	64.19
Present stage of Ground Water Development (%)	103.51
Expected Stage of Ground Water Development after interventions (%)	70
Other Interventions Proposed, if any	
Alternate Water Sources Available	Nil
<b>6.4 Development Plan</b>	
Additional Area (sq.km.) proposed to be brought under assured GW irrigation with av. CWR of 0.65 m	1.95
Regulatory Measures	60m borewells/tube wells
<p><b>Proposed locations for AR structures</b></p> <p><b>Artificial Recharge Structure</b> Rahta Taluka, Ahmednagar District</p>  <p><b>Legend</b></p> <p>Percolation tank + Check dam =</p> <p>Principal aquifer AL &amp; BS No of aquifers Two Area (Sqkm) 654.48 No of Village 58 Taluka HQ ■ Drainage —</p>	<p><b>Additional area proposed to be bought under assured GW irrigation</b></p> <p><b>Additional Area proposed to be brought under assured GW irrigation</b> Rahta Taluka, Ahmednagar District</p>  <p><b>Legend</b></p> <p>Principal aquifer AL &amp; BS No of aquifers Two Area (Sqkm) 654.48 No of Village 58 Taluka HQ ■ Drainage —</p> <p>■ Additional Area proposed to be brought under assured GW irrigation with av. CWR of 0.65 m AFTER 70% STAGE OF GWD IS ACHIEVED -Rahta 1.95 Sqkm,</p>

## 14.0 AQUIFER MAPS AND GROUND WATER MANAGEMENT PLAN, SANGAMNER BLOCK, AHMEDNAGAR DISTRICT, MAHARASHTRA

<b>1.0 SALIENT FEATURE</b>		
<b>1.1 Introduction</b>		
Block Name	<b>Sangamner</b>	
Geographical Area (Sq. Km.)	1819.43	
Forest Area (Sq. Km)	11.40	
Population (2011)	4,87,939	
Climate	Monsoon sub-tropical	
<b>1.2 Rainfall Analysis</b>		
Normal Rainfall	478.6 mm	
Annual Rainfall (2017)	580.3 mm	
Decadal Average Annual Rainfall (2008-17)	470.8 mm	
Long Term Rainfall Analysis (1901-2017)	Rising Trend 0.2582 mm/year. Probability of Normal/Excess Rainfall: 55%/22%. Probability of Drought (Moderate/Severe/Acute):- 17 % Moderate/5% Severe/1% Acute	
<b>Rainfall Trend</b>		
<b>1.3 Geomorphology, Soil &amp; Geology</b>		
Geomorphic Unit	The area is occupied by moderately and highly dissected plateau followed by denudational hills and slopes with alluvium plains in the northern part along Pravara river.	
Geology	Alluvium (sand/ silt and clay alternating beds), Age: Recent to Sub-recent Deccan Traps (Basalt), Age: Late Cretaceous to Eocene	
Soil	The clayey deep soil covered all along the Pravara River on either side. Rest of the area is occupied by sandy clay loam and gravelly sandy clay loam.	
<b>1.4 Hydrology &amp; Drainage</b>		
Drainage	The area is drained by tributaries of Godavari River Viz: Pravara River in the central part and Mula river in southern part. The drainage pattern is subparallel to sub-dendritic in central part and dendritic in southern part	
Hydrology	Major project	-
	Medium	-
	Minor Irrigation Project (100 to	Local sector: 28

	250 Ha.)	
	Minor Irrigation Project (0 to 100 Ha.)	88 PT, 25 KT Weirs & 99 SB
<b>1.5 Land Use, Agriculture, Irrigation &amp; Cropping Pattern</b>		
Geographical Area		1819.43 Sq. Km.
Forest Area		11.40 Sq. Km.
Cultivable Area		1244.07 Sq. Km.
Net Sown Area		1041.04 Sq. Km.
Double Cropped Area		105.60 Sq. Km.
Area under Irrigation	Surface Water	117.70 Sq. Km.
	Ground Water	72.26 Sq. Km.
Principal Crops (Reference year 2013-14)	Crop Type	Area (Sq. Km.)
	Cotton	11.41
	Cereals	695.34
	Pulses	31.99
	Oil Seeds	49.75
Horticultural Crops	Citrous fruit	15.18
	Sugarcane	92.82
	Others (fruit and vegetables)	112.57
<b>1.6 Water Level Behavior</b>		
<b>1.6.1 Aquifer-I/Shallow Aquifer</b>		
<b>Pre-Monsoon Water Level (May 2017)</b> Water level less than 10 mbgl is observed in northern, southern and south eastern parts of the block while water level in the range of 10 to 20 mbgl is observed southern, central and north eastern part; deeper water level more than 20 mbgl is observed as isolated patches.		<b>Post-Monsoon Water Level (Nov. 2017)</b> Water Level less than 5 mbgl is observed in isolated patch in south eastern part of block. Water level between 5 to 10 mbgl is observed in southern, central and northern part. Water level 10 to 20 mbgl is observed in northeastern, central, western and southern part.



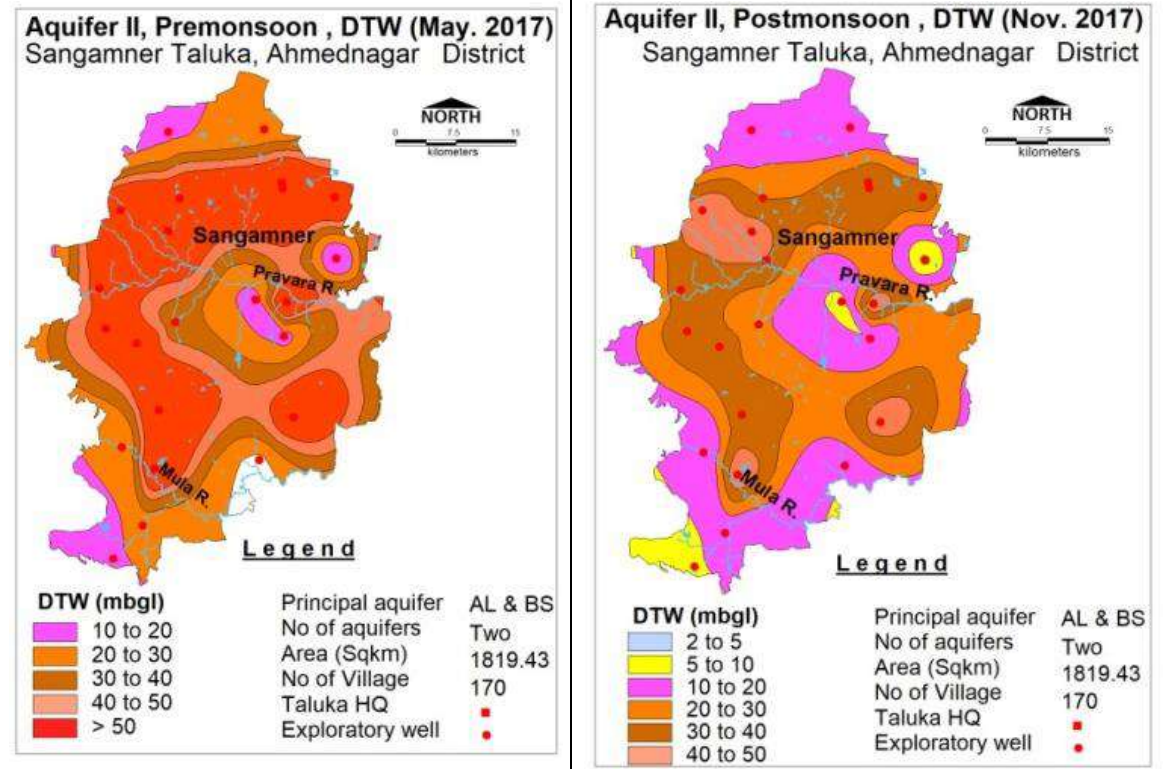
**1.6.2 Aquifer-II/Deeper Aquifer**

**Pre-Monsoon Water Level (May 2017)**

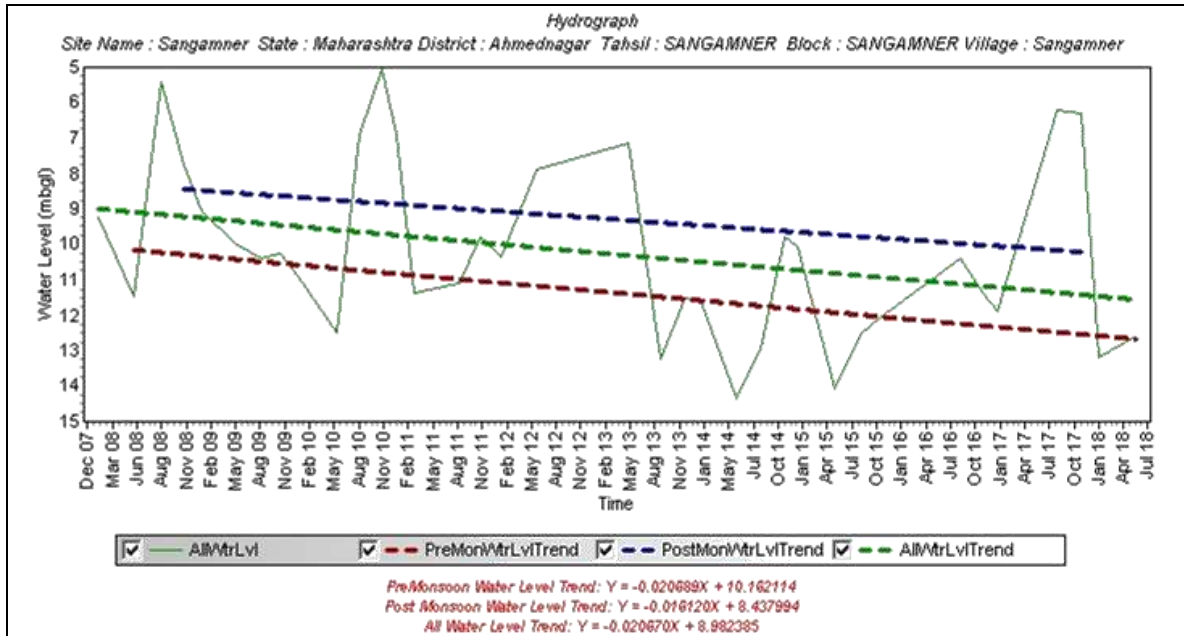
Water level <20 mbgl is observed in isolated patches in southern, northern and eastern part of the block while water level >20 mbgl is observed in almost entire block.

**Post-Monsoon Water Level (Nov. 2017)**

Water level <20 mbgl is observed in southern, eastern and northern part, whereas, deep water levels >30 mbgl is observed in almost entire block.



**1.7 Hydrographs and Water Level Trend (2008-2017)**



Hydrograph shows Pre-monsoon falling water level trend @ 0.021 m/year

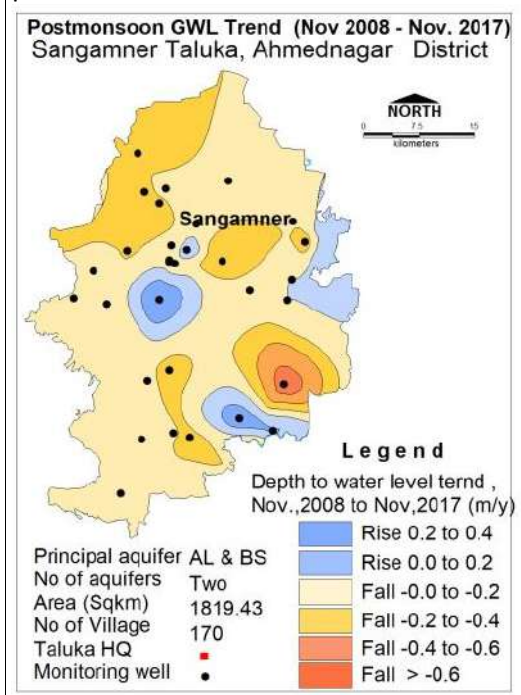
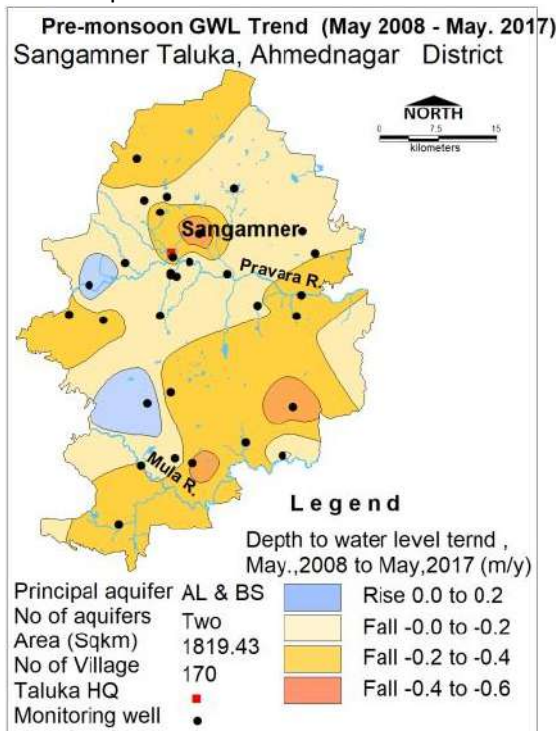
Hydrograph shows Post-monsoon falling water level trend @ 0.016 m/year

Pre-Monsoon trend  
Rising 0.0 to 0.2 m/year  
Falling 0.0 to 0.6 m/year

Post-Monsoon trend  
Rising 0.0 to 0.4 m/year  
Falling 0.0 to >0.6 m/year

**Pre-Monsoon Water Level Trend (2008-2017)**  
Almost entire taluka is showing falling trend, except western part of the block. Falling trend > 0.4 m is observed in isolated patches in southern part of the block.

**Post-Monsoon Water Level Trend (2008-2017)**  
Almost entire taluka is showing falling trend. Maximum area of taluka is showing falling trend in the range of 0 to 0.2 m. rising trend is observed in central eastern and south eastern part.



## 2.0 GROUND WATER ISSUES

Over exploitation  
Limited aquifer potential

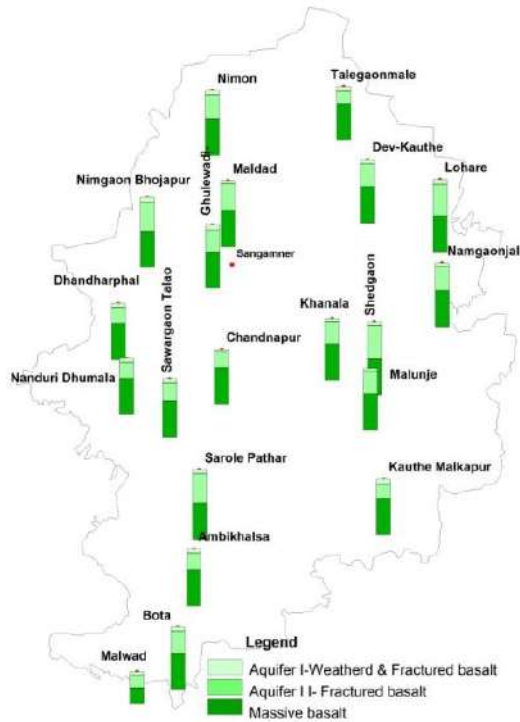
Water scarcity in lean period  
Declining Water Level trend is observed in almost entire block.

### 3.0 AQUIFER DISPOSITION

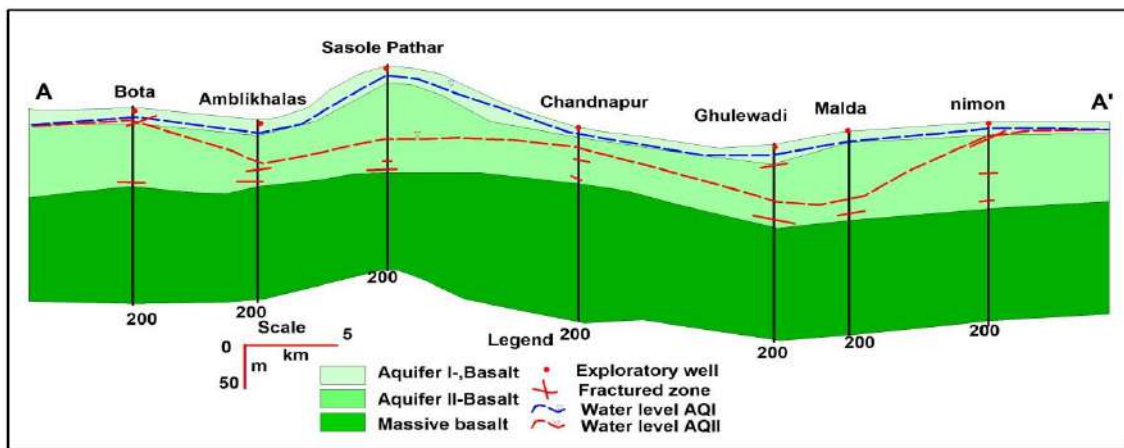
#### 3.1 Number of Aquifers

Basalt – Aquifer-I (weathered & fractured basalt)  
Basalt – Aquifer-II (Jointed & fractured basalt)

#### 3.2 Lithological disposition



#### 3.3 Cross Sections : Section AA'

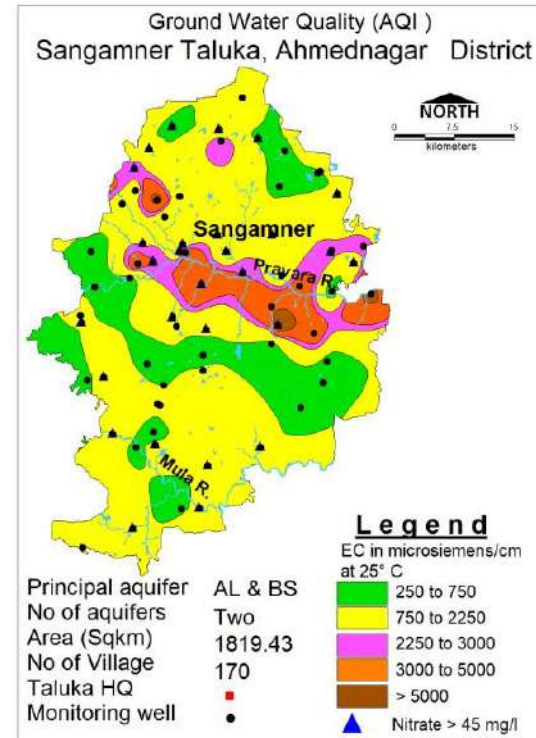


#### 3.4 Aquifer Characteristics

Major Aquifers	Basalt (Deccan Traps)	
	Aquifer-I (Phreatic)	Aquifer-II (Semi-confined /confined)
Type of Aquifer (Phreatic /Semi-confined/Confined)	Aquifer-I (Phreatic)	Aquifer-II (Semi-confined /confined)
Depth of Occurrence (mbgl)	8.9 - 35	29 - 182
Granular/weathered/fractured rocks thickness (m)	5 – 14	0.5 - 5
Yield	10 – 100 m <sup>3</sup> /day	Upto 2.5 lps
Specific yield/ Storativity (S)	0.019 – 0.028	0.00002 -0.000057
Transmissivity (T)	30-80 m <sup>2</sup> /day	15-150 m <sup>2</sup> /day

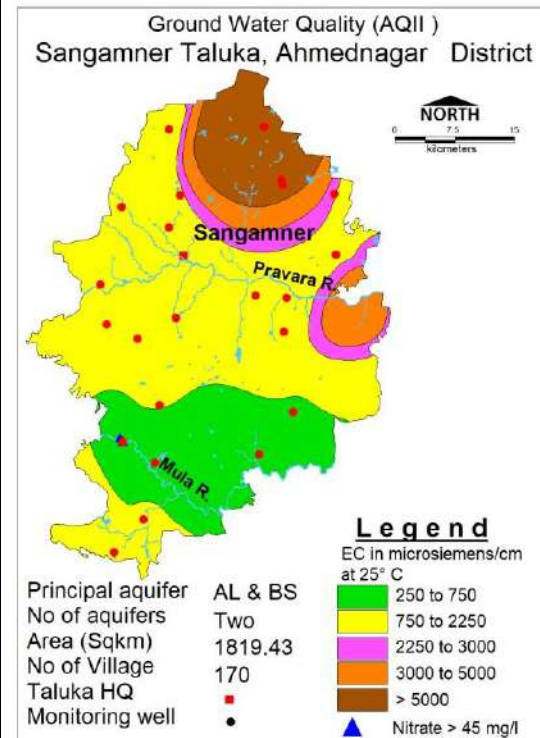
### 4. GROUND WATER QUALITY

#### 4.1 Aquifer-I/Shallow Aquifer



EC > 2250  $\mu$ S/cm has been observed in all along the Pravara River. The Nitrate value > 45 mg/l is observed in almost entire block.

#### 4.2 Aquifer-II/Deeper Aquifer



The ground water quality of deeper aquifer is suitable for irrigation purpose. The EC > 2250  $\mu$ S/cm is observed in northern and eastern part.

### 5. GROUND WATER RESOURCES

#### 5.1 Aquifer-I/Shallow Aquifer

Ground Water Recharge Worthy Area (Sq. Km.)	1540.94
Total Annual Ground Water Recharge (MCM)	171.16
Natural Discharge (MCM)	8.55
Net Annual Ground Water Availability (MCM)	162.61
Existing Gross Ground Water Draft for irrigation (MCM)	156.57
Existing Gross Ground Water Draft for domestic and industrial water supply (MCM)	6.29
Existing Gross Ground Water Draft for All uses(MCM)	162.86
Provision for domestic and industrial requirement supply to 2025(MCM)	8.54
Net Ground Water Availability for future irrigation development (MCM)	28.36
Stage of Ground Water Development (%)	100.15
Category	Over-Exploited

#### 5.2 Aquifer-II/Deeper Aquifer

Total Area (Sq. Km.)	Mean aquifer thickness (m)	S	Piezometric Head (m above confining layer)	Total Resource (MCM)
598.17	0.5	0.00002	1.87	3.37
886.08	2	0.00002	0.44	3.98
334.74	4.5	0.00002	0.1	9.13
<b>TOTAL</b>				<b>16.48</b>

### 6. GROUND WATER RESOURCE MANAGEMENT

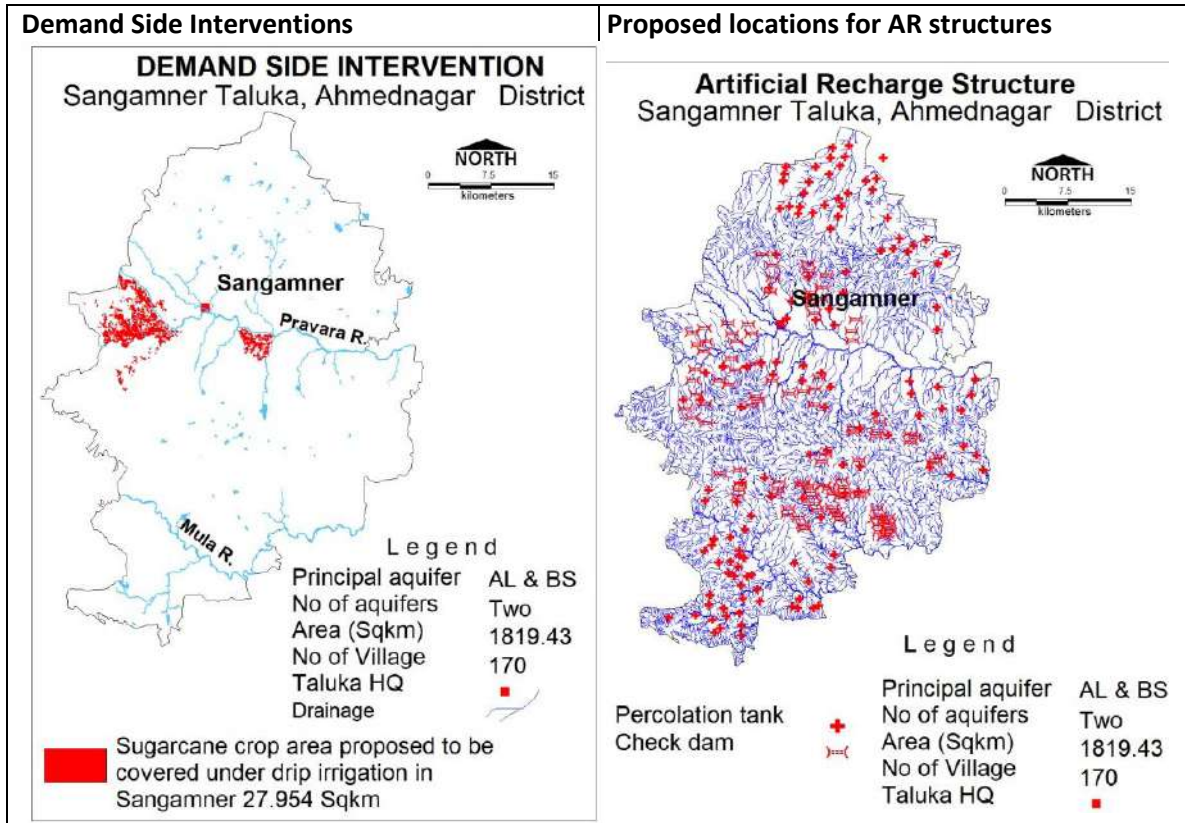
Available Resource (MCM)	162.61
Gross Annual Draft (MCM)	162.86

#### 6.1 Supply Side Management

SUPPLY (MCM)	
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Agricultural Supply -GW		156.57
Agricultural Supply -SW		376.42
Domestic Supply - GW		6.29
Domestic Supply - SW		1.57
Total Supply		540.85
Area of Block (Sq. Km.)		1819.43
Area suitable for Artificial recharge(Sq. Km)		1540.94
Type of Aquifer		Hard Rock
Area feasible for Artificial Recharge (WL >5mbgl) (Sq. Km.)		Approx 1300
Volume of Unsaturated Zone (MCM)		1894.28
Average Specific Yield		0.02
Volume of Sub Surface Storage Space available for Artificial Recharge (MCM)		37.88
Surplus water Available (MCM)		38.40
Proposed Structures	Percolation Tank (Av. Gross Capacity-100 TCM*2 fillings = 200 TCM)	Check Dam (Av. Gross Capacity-10 TCM * 3 fillings = 30 TCM)
Number of Structures	134	386
Volume of Water expected to be conserved / recharged @ 75% efficiency (MCM)	20.1	8.68
<b>RTRWH Structures – Urban Areas</b>		
Households to be covered (25% with 50 m2area)		95452
Total RWH potential (MCM)		2.46
Rainwater harvested / recharged @ 80% runoff co-efficient		1.97
<b>6.2 Demand Side Management</b>		
<b>Micro irrigation techniques</b>		
Sugarcane crop Area (sq. km.) proposed for irrigation through drip		27.95
Water Saving by use of drip		15.93
<b>Proposed Cropping Pattern change</b>		
Ground water Irrigated area under Water Intensive Crop (sq.km)		Nil
Water Saving by water use efficiency (MCM)		Nil
<b>6.3 EXPECTED BENEFITS</b>		
Net Ground Water Availability (MCM)		162.61
Additional GW resources available after Supply side interventions (MCM)		28.78
Ground Water Availability after Supply side intervention		191.39
Existing Ground Water Draft for All Uses (MCM)		162.86
GW draft after Demand Side Interventions (MCM)		146.93
Present stage of Ground Water Development (%)		100.15
Expected Stage of Ground Water Development after interventions (%)		76.76
Other Interventions Proposed, if any		
Alternate Water Sources Available		Nil
<b>6.4 Development Plan</b>		
Additional Area (sq.km.) proposed to be brought under assured GW irrigation with av. CWR of 0.65 m		Nil
Regulatory Measures	60m borewells/tube wells	



## 15.0 AQUIFER MAPS AND GROUND WATER MANAGEMENT PLAN, SRIRAMPUR BLOCK, AHMEDNAGAR DISTRICT, MAHARASHTRA

<b>1.0 SALIENT FEATURE</b>		
<b>1.1 Introduction</b>		
<b>Block Name</b>	<b>Srirampur</b>	
Geographical Area (Sq. Km.)	583.16 Sq. Km.	
Forest Area (Sq. Km)	0 Sq. Km.	
Population (2011)	2,87,500	
Climate	Monsoon sub-tropical	
<b>1.2 Rainfall Analysis</b>		
Normal Rainfall	543.9 mm	
Annual Rainfall (2017)	793.5 mm	
Decadal Average Annual Rainfall (2008-17)	587.28 mm	
Long Term Rainfall Analysis (1955-2017)	Rising Trend 0.9 mm/year. Probability of Normal/Excess Rainfall: 56%/19%. Probability of Drought (Moderate/Severe):- 19 % Moderate & 6% Severe.	
<b>Rainfall Trend</b>		
<b>1.3 Geomorphology, Soil &amp; Geology</b>		
Geomorphic Unit	Moderately dissected plateau occupy almost entire area of block and alluvium plains along Godavari river	
Geology	Alluvium (sand/ silt and clay alternating beds), Age: Recent to Sub-recent Deccan Traps (Basalt), Age: Late Cretaceous to Eocene	
Soil	Clayey very deep to moderately deep soil covers almost entire block.	
<b>1.4 Hydrology &amp; Drainage</b>		
Drainage	The block is drained by tributaries of Godavari river in the northern half and tributaries of Pravara river in the southern half. The overall drainage pattern is sub-parallel to sub-dendritic. The block can be divided in two parts by a water divide.	
Hydrology	Major project	-
	Medium	1: Taklibhan tel

	Minor Irrigation Project (100 to 250 Ha.)	Local sector: 2
	Minor Irrigation Project (0 to 100 Ha.)	12 PT, 11 KT Weirs & 45 SB

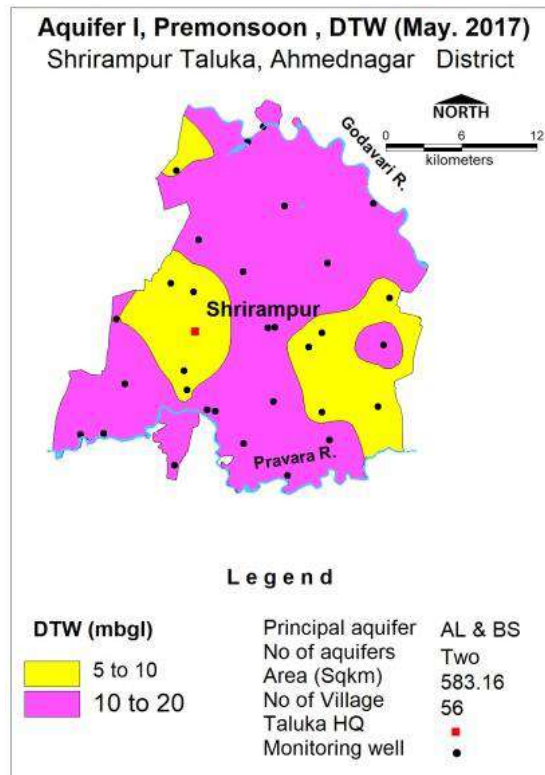
**1.5 Land Use, Agriculture, Irrigation & Cropping Pattern**

Geographical Area		583.16 Sq. Km.
Forest Area		0 Sq. Km.
Cultivable Area		692.86 Sq. Km.
Net Sown Area		662.16 Sq. Km.
Double Cropped Area		17.26 Sq. Km.
Area under Irrigation	Surface Water	44.37 Sq. Km.
	Ground Water	56.23 Sq. Km.
Area under Drip & Sprinkler Irrigation		32.86 Sq. Km.
<b>Principal Crops</b> (Reference year 2013-14)	<b>Crop Type</b>	<b>Area (Sq. Km.)</b>
	Cotton	30.60
	Cereals	307.65
	Pulses	36.21
Horticultural Crops	Oil Seeds	71.72
	Citric fruit	0.38
	Sugarcane	23.03
Others (fruit and vegetables)		17.70

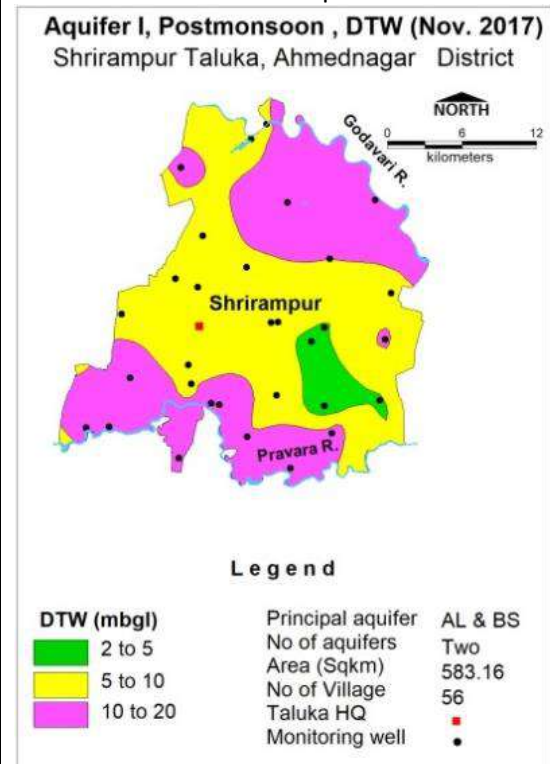
**1.6 Water Level Behavior**

**1.6.1 Aquifer-I/Shallow Aquifer**

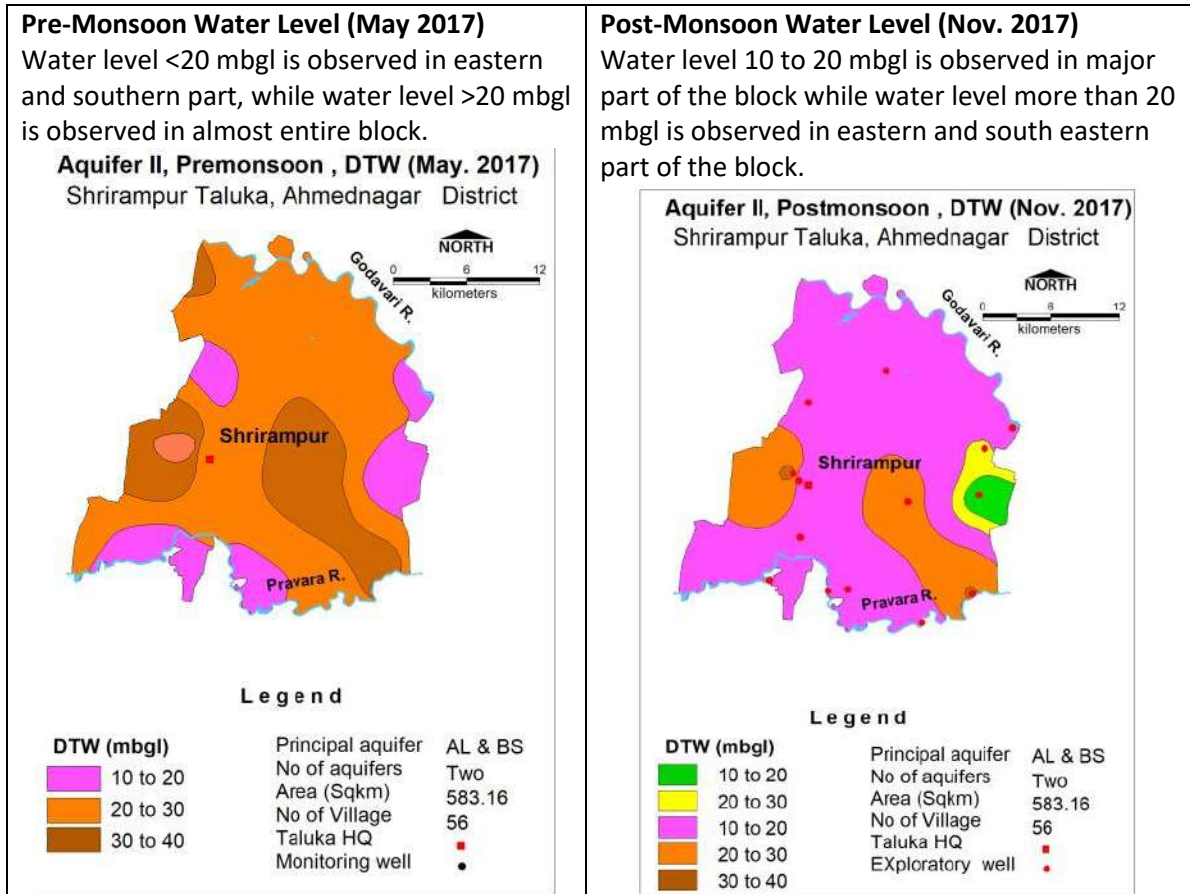
**Pre-Monsoon Water Level (May 2017)**  
Water level less than 10 mbgl is observed in eastern and western parts of the block while water level in the range of 10 to 20 mbgl is observed in almost entire block.



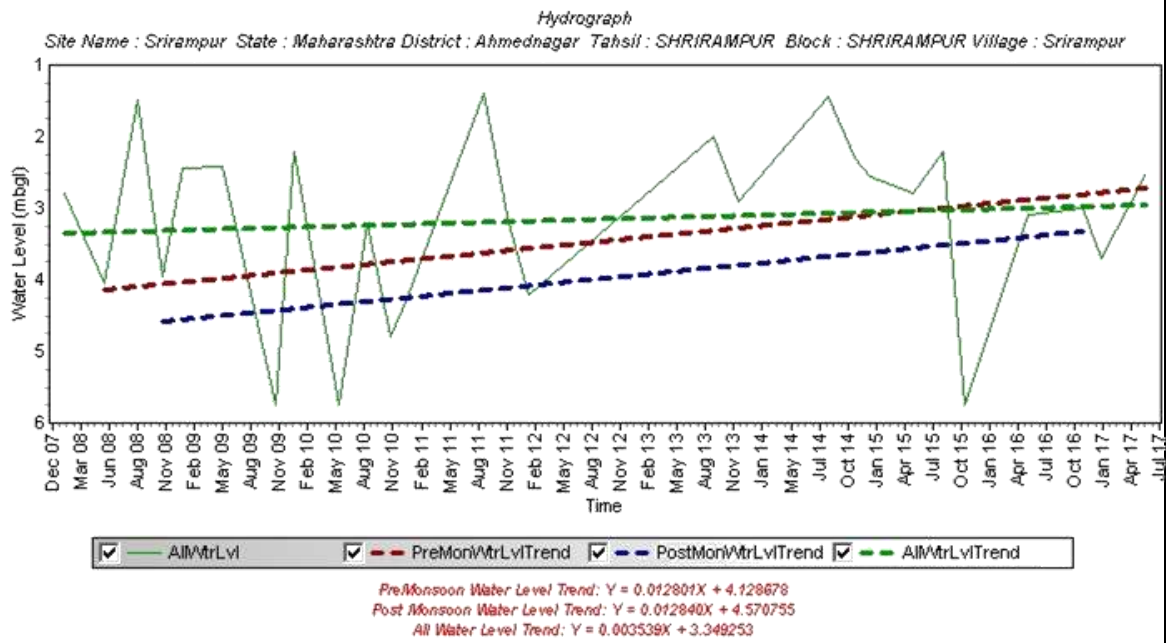
**Post-Monsoon Water Level (Nov. 2017)**  
Water Level less than 5 mbgl is observed in isolated patch in south eastern part of block. Water level between 10 to 20 mbgl is observed in northern and southern part.



**1.6.2 Aquifer-II/Deeper Aquifer**

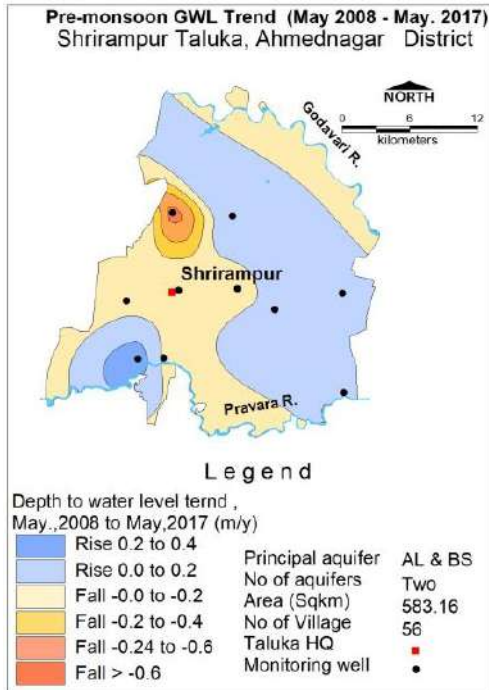


**1.7 Hydrographs and Water Level Trend (2008-2017)**

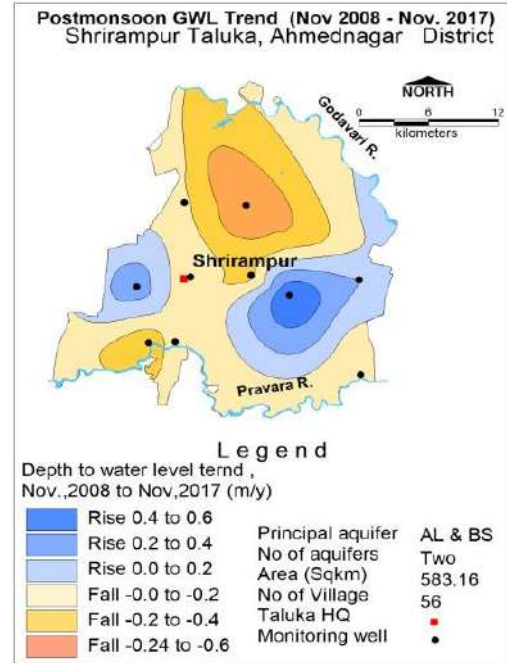


<p>Hydrograph shows Pre-monsoon rising water level trend @ 0.01 m/year</p>	<p>Hydrograph shows Post- monsoon rising water level trend @ 0.01 m/year</p>
<p>Pre-Monsoon trend Rising 0.0 to 0.4 m/year Falling 0.0 to &gt;0.6 m/year</p>	<p>Post-Monsoon trend Rising 0.0 to 0.6 m/year Falling 0.0 to 0.6 m/year</p>
<p><b>Pre-Monsoon Water Level Trend (2008-2017)</b> Falling trend is observed in northern, western</p>	<p><b>Post-Monsoon Water Level Trend (2008-2017)</b> Rising trend is observed in south eastern,</p>

and southern part of block. Rising trend is observed in eastern, south eastern, southern, central and northwestern part.



eastern and western part. Falling trend is observed in southern, northern and central part of the block.



## 2.0 Ground Water Issues

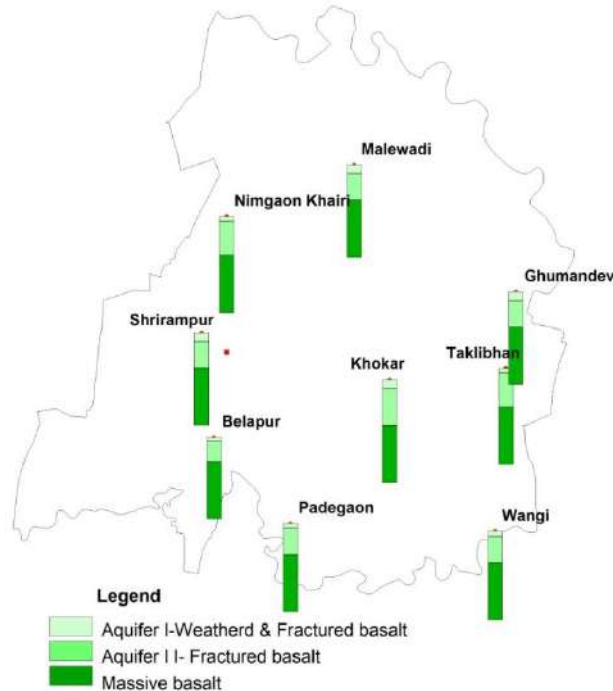
Over exploitation  
Limited aquifer potential  
Water scarcity in lean period  
Declining Water Level trend is observed in almost entire block.

## 3.0 AQUIFER DISPOSITION

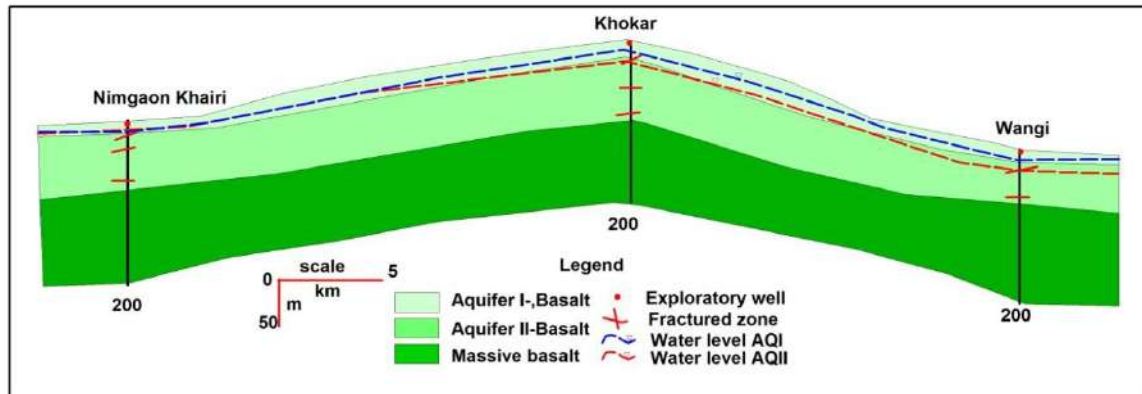
### 3.1 Number of Aquifers

Basalt – Aquifer-I (weathered & fractured basalt)  
Basalt – Aquifer-II (Jointed & fractured basalt)

### 3.2 Lithological disposition



### 3.3 Cross Sections: Section AA'



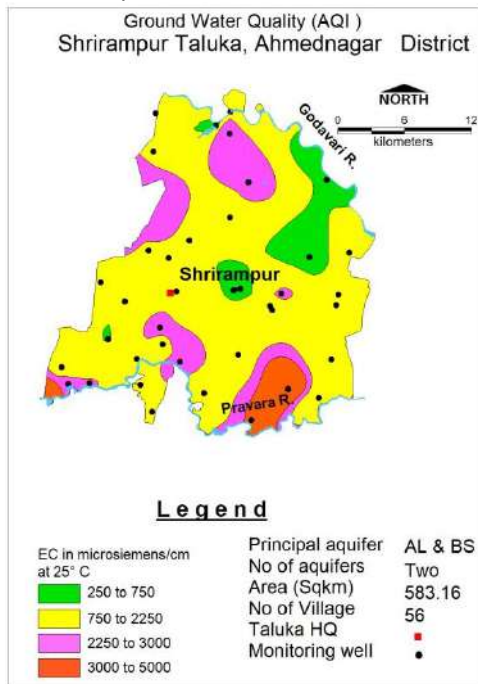
### 3.4 Aquifer Characteristics

Major Aquifers	Basalt (Deccan Traps)	
Type of Aquifer (Phreatic/Semi-confined/Confined)	Aquifer-I (Phreatic)	Aquifer-II (Semi-confined /confined)
Depth of Occurrence (mbgl)	9-30	25-121
Granular/weathered/fractured rocks thickness (m)	5-8	0.5-4
Yield	10 – 100 m <sup>3</sup> /day	Upto 2.5 lps
Specific yield/Storativity (S)	0.019 – 0.028	0.00002 -0.000057
Transmissivity (T)	30-80 m <sup>2</sup> /day	25-96 m <sup>2</sup> /day

## 4 GROUND WATER QUALITY

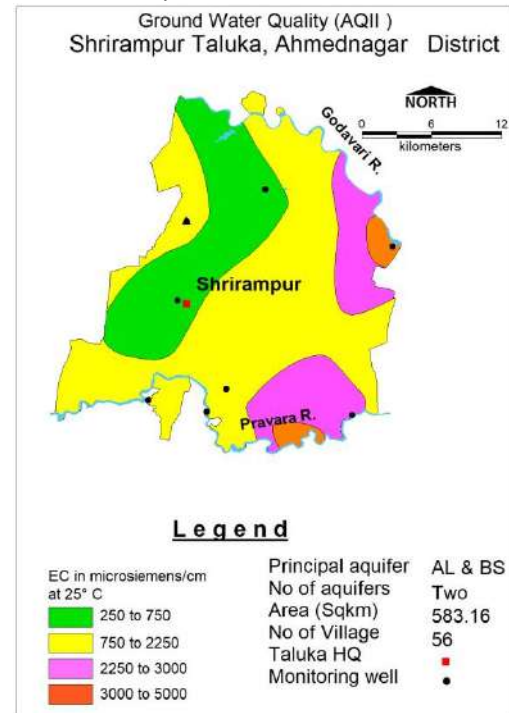
### 4.1 Aquifer-I/Shallow Aquifer

EC > 2250 µS/cm has been observed in isolated patches in northern, western and southern part of block



### 4.2 Aquifer-II/Deeper Aquifer

EC > 2250 µS/cm has been observed in southern and eastern part of block



## 5. GROUND WATER RESOURCES

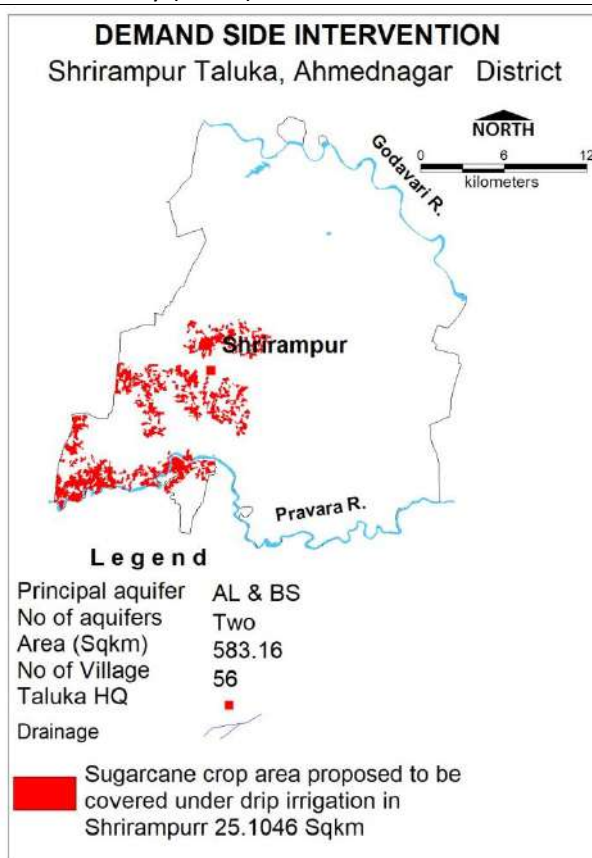
### 5.1 Aquifer-I/Shallow Aquifer

Ground Water Recharge Worthy Area (Sq. Km.)	583.16
Total Annual Ground Water Recharge (MCM)	95.33

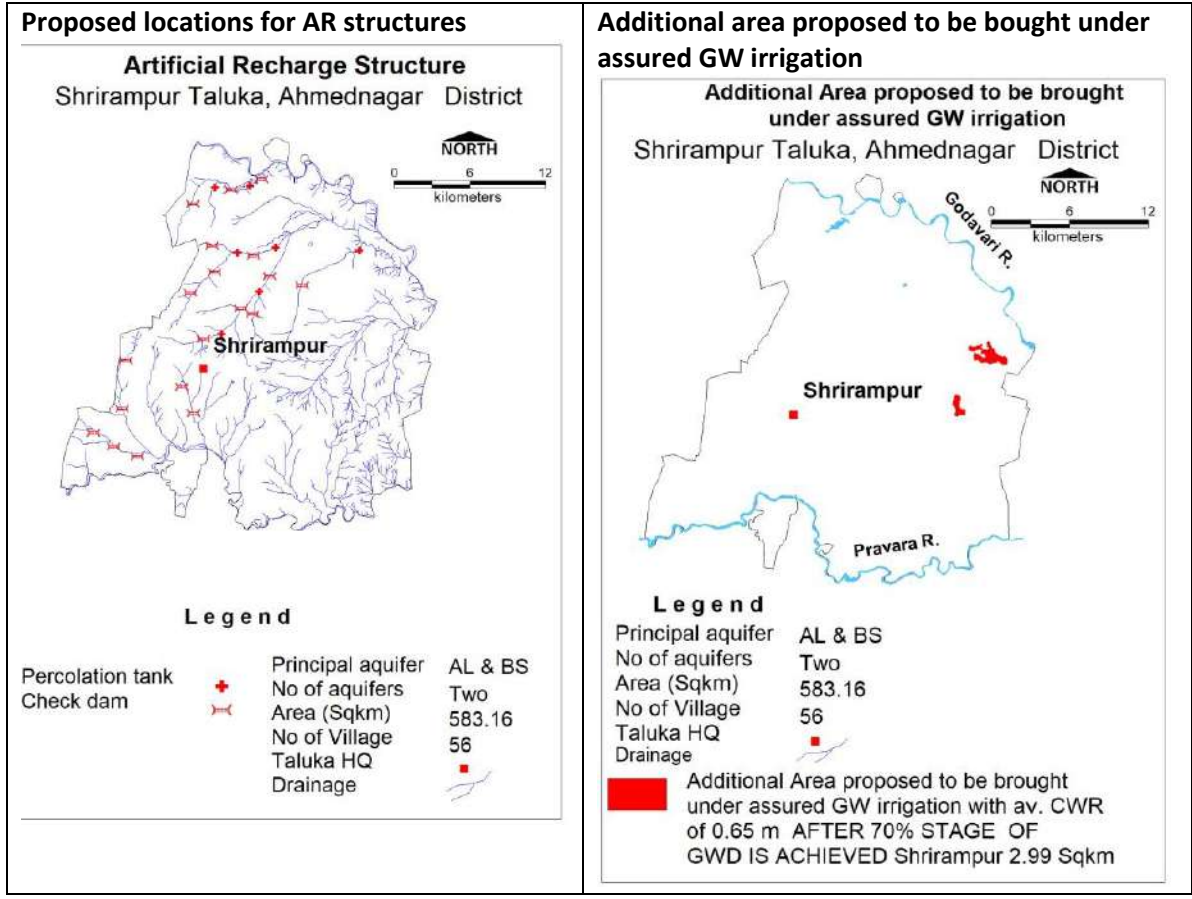
Natural Discharge (MCM)		4.76		
Net Annual Ground Water Availability (MCM)		90.56		
Existing Gross Ground Water Draft for irrigation (MCM)		73.99		
Existing Gross Ground Water Draft for domestic and industrial water supply (MCM)		2.82		
Existing Gross Ground Water Draft for All uses(MCM)		76.81		
Provision for domestic and industrial requirement supply to 2025(MCM)		5.50		
Net Ground Water Availability for future irrigation development (MCM)		11.50		
Stage of Ground Water Development (%)		84.81		
Category		SAFE		
<b>5.2 Aquifer-II/Deeper Aquifer</b>				
Total Area (Sq. Km.)	Mean aquifer thickness (m)	S	Piezometric Head (m above confining layer)	Total Resource (MCM)
234.12	0.5	0.000057	0.33	0.92
304.44	2	0.000057	0.60	1.82
25.23	4.5	0.000052	0.004	0.57
19.59	7.5	0.000052	0.003	1.33
<b>TOTAL</b>				<b>4.64</b>
<b>6.0 GROUND WATER RESOURCE MANAGEMENT</b>				
Available Resource (MCM)		90.56		
Gross Annual Draft (MCM)		76.81		
<b>6.1 Supply Side Management</b>				
SUPPLY (MCM)				
Agricultural Supply -GW		73.99		
Agricultural Supply -SW		244.41		
Domestic Supply - GW		2.82		
Domestic Supply - SW		0.71		
Total Supply		321.93		
Area of Block (Sq. Km.)		583.16		
Area suitable for Artificial recharge (Sq. Km)		583.16		
Type of Aquifer		Hard Rock		
Area feasible for Artificial Recharge (WL >5mbgl) (Sq. Km.)		Approx 500		
Volume of Unsaturated Zone (MCM)		173.73		
Average Specific Yield		0.02		
Volume of Sub Surface Storage Space available for Artificial Recharge (MCM)		4.63		
Surplus water Available (MCM)		2.01		
Proposed Structures		Percolation Tank (Av. Gross Capacity-100 TCM*2 fillings = 200 TCM)	Check Dam (Av. Gross Capacity-10 TCM * 3 fillings = 30 TCM)	
Number of Structures		7	20	
Volume of Water expected to be conserved / recharged @ 75% efficiency (MCM)		1.05	0.45	
<b>RTRWH Structures – Urban Areas</b>				
Households to be covered (25% with 50 m2area)		58926		
Total RWH potential (MCM)		1.52		
Rainwater harvested / recharged @ 80% runoff co-efficient		1.22		
<b>6.2 Demand Side Management</b>				
Micro irrigation techniques				
Irrigation Area (sq. km.) proposed for irrigation through drip		25.10		



Water Saving by use of drip (MCM)	14.31
Proposed Cropping Pattern change	
Ground water Irrigated area under Water Intensive Crop (sq.km)	Nil
Water Saving by water use efficiency (MCM)	Nil



<b>6.3 Expected Benefits</b>	
Net Ground Water Availability (MCM)	90.56
Additional GW resources available after Supply side interventions (MCM)	1.50
Ground Water Availability after Supply side intervention	92.06
Existing Ground Water Draft for All Uses (MCM)	76.81
GW draft after Demand Side Interventions (MCM)	62.50
Present stage of Ground Water Development (%)	84.81
Expected Stage of Ground Water Development after interventions (%)	68
Other Interventions Proposed, if any	
Alternate Water Sources Available	Nil
<b>6.4 Development Plan</b>	
Additional Area (sq.km.) proposed to be brought under assured GW irrigation with av. CWR of 0.65 m	2.99
Regulatory Measures	60m borewells/tube wells



# **ANNEXURES**

**Annexure-I: Salient Features of Ground Water Exploration**

Sl. No.	Taluka	Village	Toposh eet	xLon g	yLat	Altitu de	Year	Type	Aquifer	Drilli ng_ depth	Const_d epth	Casi ng	AQ_Zones	Pre SW L	Pos t SW L	PYT Discha rge	PYT DD	AQI	AQI I	AQI Thickn ess	APT_S WL	APT_disch arge	APT_ DD	T	EC	TH	N O3	F
1	Nevasa	Niwasa Bk	47114-3C	74.9167	19.5583	477		EW	Alluvium	21.6	21	19.5	19.5 -20.5	25	17.5	-	-	21.6	21.6	1	0	0	0	0	125	365	0	0
2	Nevasa	Bhalgaon	47114-2C	74.9399	19.6235	474.4		EW	Alluvium	25.5	25	23.5	23.5 -24.5	27	21	-	-	25.5	25.5	1	0	0	0	0	165	630	0	0
3	Rahuri	Nimbhari	47114-3A	74.8306	19.5111	487.6		EW	Alluvium	26	25.5	22	22 -25	19	13.4	2.16	-	26	26	3	17.59	7.14	1	156	150	575	0	0
4	Rahuri	Nimbhari	47114-3A	74.8306	19.5111	487.6		OW	Alluvium	23	23	19	19 -22	19	13.4	2.16	-	23	23	3	0	0	0	0	185	635	0	0
5	Rahuri	Manjri	47115-1A	74.7944	19.4806	484.9		EW	Alluvium	23.1	22.5	19.5	19.5 -22	18	12	1.37	-	23.1	23.1	3	14.28	1.4	5.74	9.63	630	225	0	0
6	Rahuri	Manjri	47115-1A	74.7944	19.4806	484.9		OW	Alluvium	22.6	22.5	20	20 -22	18	12	1.37	-	22.6	22.6	3	0	0	0	0	135	455	0	0
7	Shrirampur	Pathre Khurd	47110-3C	74.75	19.5083	484		EW	Alluvium	21	20.5	19	19 -20	21	15.54	-	-	21	21	1	0	0	0	0	340	630	0	0
8	Nevasa	Tilapur	47114-3A	74.8278	19.5222	485.4		EW	Alluvium	24.7	24.2	22	22 -23.7	19	17.7	-	-	24.7	24.7	1	21.28	2	0.88	344	135	390	0	0
9	Shrirampur	Newkamalpur	47114-2A	74.825	19.6611	472		EW	Alluvium	27.65	27.15	25	25 -26.5	19	14.34	0.6	-	27.65	27.65	2	14.9	1.16	3.99	96.64	330	215	0	0
10	Shrirampur	Newkamalpur	47114-2A	74.825	19.6611	472		OW	Alluvium	27.36	27.35	25	25 -26.8	19	14.65	0.8	-	27.36	27.36	2	0	0	0	0	335	220	0	0
11	Shrirampur	Ambi Amelner	47110-3B	74.6236	19.5436	506.7		EW	Alluvium	17.9	17.4	16.5	16.5 -17	14.2	14.2	-	-	17.9	17.9	1	0	0	0	0	900	335	0	0
12	Rahuri	Brahmangaon	47110-3C	74.6722	19.5333	501		EW	Alluvium	14.6	14.6	13.2	13.2 -13.7	19	12.23	-	-	14.6	14.6	1	0	0	0	0	950	515	0	0
13	Nagar	Khaudgaon	47116-2B	74.9153	19.1056	755.38	1978-79	EW	Basalt	176.8	176.8	19.5	36 -44	18	6.37	8	10.53	18	145	3	0	0	0	0	665	158	0	0
14	Jamkhe d	Rajuri	47N6-1B	75.3714	18.6836	627.25	1979-80	EW	Basalt	153.75	153.75	3.35		11	8	-	-	12	120	1	0	0	0	0	0	0	0	
15	Nagar	Ukadgaon	47116-3B	74.8375	19.0083	645.54	1978-79	EW	Basalt	143.3	143.3	-		19	11	-	-	19	110	1	0	0	0	0	620	132.5	0	0.66
16	Nagar	Sawedi	47112-2C	74.7236	19.1278	652.94	1978-79	EW	Basalt	180.4	180.4	5.35	7.5 -11	12	6	-	-	12	145	1	0	0	0	0	330	120	0	0.91
17	Parner	Daithan Gunjal	47112-2A	74.5639	19.0872	753.73	1978-79	EW	Basalt	151.9	151.9	-	12 -18.5	17	7	-	-	18	90	1	0	0	0	0	525	92.5	0	0
18	Nagar	Borwadi	47J9-1B	74.6256	18.9917	714.68	1978-79	EW	Basalt	150.4	150.4	-	33 -34.5, 10 -14	19	9.01	15	11.75	14	90	1	9.01	15	11.75	389.13	690	290	0	0.48
19	Shrigonda	Ghoghargaon	47113-3B	74.8833	18.8083	594.32	1978-79	EW	VB	20.5	29.5	5.9	22.3 - ,42 -60	21	9.74	5	14.57	23	60	4	0	0	0	0	0	0	0	0
20	Shrigonda	Ghoghargaon	47113-3B	74.8833	18.8083	593.72	1978-79	OW	VB	165.6	165.6	5.9	21.85 -27.4	16	5.46	4	29.13	27	135	5	0	0	0	0	0	0	0	0
21	Shrigonda	Ghoghargaon	47113-3B	74.8833	18.8083	594.62	1978-79	OW	VB	70	70	5.55	6 - ,44 -66	19	6.53	5	13.18	22	66	4	0	0	0	0	0	0	0	0
22	Shrigonda	Ghoghargaon	47113-3B	74.8833	18.8083	600		PZ	VB	28.7	-	-	10 -18, 24 -26	16	8.59	-	-	28.7	28.7	1	0	0	0	0	0	0	0	0
23	Jamkhe d	Nagalwadi	47N2-1A	75.0808	18.6869	547.3	1979-80	EW	VB	152.4	152.4	4.3	8 -15 ,28 -32 ,130 -152, 56 -76	17	6.2	14	15	20	76	12	0	0	0	0	0	0	0	
24	Jamkhe d	Nagalwadi	47N6-	75.35	18.70	548.0	1979-	OW	VB	16.2	16.2	4.75	20160801	18	6.9	1.06	5.1	16	16	3	0	0	0	0	0	0	0	0

Sl. No.	Taluka	Village	Toposh eet	xLon g	yLat	Altitu de	Year	Typ e	Aquifer	Drilli ng_ depth	Const_d epth	Casi ng	AQ_Zones	Pre SW L	Pos t SW L	PYT Discha rge	PYT DD	AQI	AQI Thickn ess	APT_S WL	APT_disch arge	APT_ DD	T	EC	TH	N O3	F	
			1B	42	42	9	80																					
25	Jamkhe d	Nagalwadi	47N2-1A	75.0803	18.6881	549.49	1979-80	OW	VB	19.2	19.2	3.8	20181201	19	8.18	1.8	8.82	19	19	4	0	0	0	0	0	0	0	0
26	Jamkhe d	Nagalwadi	47N2-1A	75.0813	18.6869	547.72	1979-80	OW	VB	40	40	3.2	7-17,33-38	15	3.93	2	-	17	38	4	0	0	0	0	0	0	0	0
27	Jamkhe d	Nagalwadi	47N6-1B	75.3542	18.7042	547.72	1979-80	OW		-	-	-		15	3.93	-	-	12	132	12	0	0	0	0	0	0	0	0
28	Jamkhe d	Jawala (E)	47N6-3A	75.2622	18.5512	523.9	1979-80	EW	W Basalt	140.2	140.2	12.3	8-,12-34,106-108,62-92,110-132	21	14.04	9.5	4.59	12	132	12	14.04	8.5	4.59	7.04	0	0	0	0
29	Beed	Ralegaon (E)	47I13-2A	74.7791	18.8566	638.45	1979-80	EW	W Basalt	165.95	165.95	4	32-48,53-56,112-124,99-104,133-155	12	5.78	5	13.37	32	155	12	6.1	5	12.9	158.2	0	0	0	0
30	Rahuri	Vambori	47I11-3C	74.7333	19.2917	559	1989-90	EW	F Basalt	170	-	4.5		9	2.4	16	-	24	125	4	0	0	0	0	690	200	70	0
31	Rahuri	Vambori	47I11-3C	74.7333	19.2917	559	1989-91	OW	F Basalt	201.5	-	4.5		9	2.42	8.5	-	24	125	4	0	0	0	670	180	10	0	
32	Nagar	Singwekeshan	47I15-3B	74.8486	19.2833	575.3	1989-92	EW	F Basalt	195.04	-	3.25		9	3.45	-	-	25	124	1	0	0	0	0	1230	320	75	0
33	Nagar	Pimpalgaon	47I12-1C	74.7458	19.2042	676	1989-93	EW	F Basalt	200	-	10		14	9.02	-	-	12	110	1	0	0	0	0	730	175	80	0
34	Nevasa	Karwandi	47I15-2B	74.8889	19.3375	533	1990-91	EW	F Basalt	202	-	1.7		19	12.2	3.4	-	19	155	5	0	0	0	0	1160	240	37	0
35	Nevasa	Karwandi	47I15-2B	74.8889	19.3375	533	1990-91	OW	F Basalt	85.7	-	3.5		21	8.5	3.4	-	12	60	5	0	0	0	0	810	165	30	0
36	Nagar	Nimgaon Ghana	47I12-2A	74.5806	19.1333	702	1990-91	EW	F Basalt	196.25	-	2.5		14	7.4	1.8	-	25	155	4	0	0	0	0	1440	355	30	0
37	Parner	Loni Haveli	47I8-3C	74.4856	19.0139	774.8	1990-91	EW	F Basalt	202	-	1.6		17	12.1	1.8	-	24	86	4	0	0	0	0	870	225	45	0
38	Parner	Loni Haveli	47I8-3C	74.4856	19.0139	774.8	1990-91	OW	F Basalt	86	-	6		17	12.5	-	-	24	86	1	0	0	0	0	0	0	0	0
39	Parner	Astagaon	47J9-1B	74.6189	18.9462	708	1990-91	EW	F Basalt	202	-	1.7		17	10.5	-	-	21	145	1	0	0	0	0	0	0	0	0
40	Parner	Vadgovhan	47J5-2C	74.4178	18.8687	587	1990-91	EW	F Basalt	202	-	5.4		11	3.5	-	-	21	155	1	0	0	0	0	1180	275	37	0
41	Parner	Alkuti	47I4-3C	74.2333	19.0569	644	1990-91	EW	F Basalt	121.4	-	1.8		22	9	2.9	-	25	110	3	0	0	0	0	1100	220	47	0
42	Parner	Alkuti	47I4-3C	74.2333	19.0569	644	1990-91	OW	F Basalt	200	-	-		19	9	3.5	-	25	110	3	0	0	0	0	1240	300	20	0
43	Parner	Takli Dhokeswar	47I8-2B	74.3875	19.1514	839.7	1990-91	EW	F Basalt	200	-	6.1		12	5	-	-	25	125	1	0	0	0	0	0	0	0	0
44	Nagar	Arangaon	47I12-3C	74.7183	19.0236	663.7	1990-91	EW	F Basalt	200	-	15.3		7	2	6.8	-	20	90	5	0	0	0	0	0	0	0	0
45	Rahuri	Brahmani	47I15-2A	74.7597	19.3778	515.9	1990-91	EW	F Basalt	200	-	2.3		23	12.6	7.7	-	20	90	6	0	0	0	0	1110	340	20	0
46	Rahuri	Brahmani	47I15-2A	74.7597	19.3778	515.9	1990-91	OW	F Basalt	79.5	-	-		23	7.3	12	-	18	70	6	0	0	0	0	780	265	12	0
47	Rahuri	Taharabad	47I11-2A	74.5014	19.3958	641.7	1990-91	EW	F Basalt	200	-	1.4		18	9.65	4.43	-	18	70	6	0	0	0	0	710	105	10	0
48	Rahuri	Taharabad	47I11-2A	74.5014	19.3958	641.7	1990-91	OW	F Basalt	72	-	6.2		9	2.6	1.3	-	21	70	3	0	0	0	0	750	15	12	0

Sl. No.	Taluka	Village	Toposh eet	xLon g	yLat	Altitu de	Year	Typ e	Aquifer	Drilli ng_ depth	Const_d epth	Casi ng	AQ_Zones	Pre SW L	Pos t SW L	PYT Discha rge	PYT DD	AQI	AQI I	AQII Thickn ess	APT_S WL	APT_disch arge	APT_ DD	T	EC	TH	N O3	F
49	Sangam ner	Malunje	4717-1A	74.3294	19.4801	599.2	1990-91	EW	F Basalt	200	-	12.5		18	10	0.8	-	12.5	125	2	0	0	0	0	1360	145	43	0
50	Sangam ner	Nathuchiwadi	47110-1A	74.5586	19.7466	586	1990-91	EW	F Basalt	200	-	31		32	21.24	-	-	31	98	1	0	0	0	0	12500	4040	6	0
51	Sangam ner	Talegaonmale	4716-1A	74.3061	19.7115	605	1990-91	EW	F Basalt	200	-	5.5		25	12	1	-	21	70	3	0	0	0	0	0	0	0	0
52	Sangam ner	Khanala	4716-3A	74.2958	19.5208	550	1990-91	EW	F Basalt	200	-	4.25		18	9	1	-	15	125	3	0	0	0	0	0	0	0	0
53	Shrirampur	Taklibhan	47114-2A	74.7972	19.6083	493	1990-91	EW	F Basalt	200	-	3.25		12	2.5	-	-	14	120	1	0	0	0	0	0	0	0	0
54	Akole	Kumbhephal	4712-3A	74.0458	19.5417	572	1990-91	EW	F Basalt	200	-	10.35		19	8.5	0.81	-	14	90	2	0	0	0	0	0	0	0	0
55	Akole	Deothan	4712-2A	74.0458	19.6417	657	1991-92	EW		200	-	12.5		17	9.6	-	-	12.5	70	1	0	0	0	0	840	290	6	0
56	Sangam ner	Namgaonjali	4716-3B	74.3917	19.5667	556	1991-92	EW		200	-	6.08		12	4.5	1.8	-	18	135	3	0	0	0	0	2050	355	5	0
57	Sangam ner	Sakur	4717-2A	74.3	19.3417	597	1991-92	EW		200	-	20.7		18	10.6	3.17	-	20.7	90	4	0	0	0	0	0	0	0	0
58	Sangam ner	Sakur	4717-2A	74.3	19.3417	597	1991-92	OW		55	-	2		19	10.7	4.43	-	21	45	5	0	0	0	0	0	0	0	0
59	Rahata	Rahata	4716-1C	74.4819	19.7144	518.3	1992-93	EW		200	-	24.5		19.64	10	3.17	-	24.5	135	5	0	0	0	0	1560	420	0	0
60	Shevga on	Ghotan	47M7-2A	75.3	19.4	475	1992-93	EW		85.6	-	11.4		19	4.87		33.63	11.4	80	1	0	0	0	0	1500	365	8.5	0
61	Shevga on	Ghotan	47M7-2A	75.3	19.4	475	1992-93	OW		195.04	-	1.5		14	4.74	-	-	12	80	1	0	0	0	0	0	0	0	0
62	Shevga on	Ghotan	47M7-2A	75.3	19.4	475	1992-93	OW		73.5	-	6.25		17	4.68	-	-	11	70	1	0	0	0	0	0	0	0	0
63	Koparg aon	Shajapur	4715-2B	74.35	19.8792	531	1992-93	EW	VB	200	-	3.5		38.7	21	-	-	16	152	1	0	0	0	0	2000	485	1.3	0
64	Shevga on	Bodhegaon	47M7-3C	75.45	19.3	472	1992-93	EW		82.5	-	12.5		24	13.53	33.62	-	12.5	80	3	0	0	0	0	2260	375	0	0
65	Shevga on	Bodhegaon	47M7-3C	75.45	19.3	472	1992-93	OW		86.7	-	12.5		23	13.1	25.04	-	12.5	80	3	0	0	0	0	2440	460	0	0
66	Pathard i	Padli	47M4-1B	75.1417	19.2458	508	1992-93	EW		195.5	-	4.5		12	4.24	-	-	17	125	3	0	0	0	0	0	0	0	0
67	Pathard i	Manikdaundi	47M4-2B	75.15	19.0917	761	1992-93	EW		201.6	-	7		13.53	13.53	-	-	16	110	1	0	0	0	0	0	0	0	0
68	Shevga on	Karadgaon	47M3-3C	75.25	19.3	490	1992-93	EW		200	-	-		27	20.2	1.73	-	27	125	3	0	0	0	0	0	0	0	0
69	Shrigon da	Bhawadi	47J14-2A	74.8192	18.648	598.3	1992-93	EW		200	-	-		18	11.28	-	-	18	90	1	0	0	0	0	0	0	0	0
70	Karjat	Malwad	4714-1B	74.1261	19.2313	632	1992-93	EW		90	-	-		18	9	-	-	18	70	1	0	0	0	0	0	0	0	0
71	Shrigon da	Matarpimpri	47110-2B	74.6333	18.6	546	1992-93	EW		200	-	-		21	11.75	-	-	21	80	1	0	0	0	0	710	130	14	0
72	Shrigon da	Matarpimpri	47110-2B	74.6333	18.6	546	1992-93	EW		195.5	-	12.5		21	11.75	-	-	12.5	135	1	0	0	0	0	0	0	0	0
73	Karjat	Rassin	47115-	74.92	18.43	542	1992-	EW		121.2	-	10.5		23	10.	1.37	-	12	110	3	0	0	0	0	196	375	2	0

Sl. No.	Taluka	Village	Toposh eet	xLon g	yLat	Altitu de	Year	Typ e	Aquifer	Drilli ng_ depth	Const_d epth	Casi ng	AQ_Zones	Pre SW L	Pos t SW L	PYT Discha rge	PYT DD	AQI	AQI I	AQII Thickn ess	APT_S WL	APT_disch arge	APT_ DD	T	EC	TH	N O3	F
			1C	22	75		93								53										0			
74	Karjat	Rassin	47J15-1C	74.9222	18.4375	542		OW		122.2	-	11.5		23	10.53	-	-	12	110	1	0	0	0	0	0	0	0	0
75	Karjat	Siddhatek	47J11-1C	74.7292	18.455	504	1992-93	EW		200	-	16.7		17	11.1	1.37	-	16.7	125	3	0	0	0	0	2100	505	5	0
76	Jamkhe d	Turkwadi	47N10-2A	75.5737	18.6497	598	1992-93	EW		200	-	2		15	8	-	-	15	60	0.5	0	0	0	0	0	0	0	0
77	Sangam ner	Nimon	47I2-1C	74.1917	19.7083	639	1992-93	EW	Basalt	200	-	-		19	11	-	-	21	135	0.5	0	0	0	0	0	0	0	0
78	Shevga on	Bhatkudgaon	47M3-2B	75.1228	19.3792	486	1992-93	EW		201.6	-	5.5		12	7	0.78	-	12	90	2	0	0	0	0	960	270	10	0
79	Nevasa	Sirasgaon	47M2-3B	75.1125	19.55	485	1992-93	EW		200	-	5		29	13	-	-	12	90	0.5	0	0	0	0	630	215	7	0
80	Pathardi	Pathardi	47M4-1C	75.1836	19.1667	544.3	1992-93	EW		200	-	-		19	5.88	2.16	-	15	125	5	0	0	0	0	0	0	0	0
81	Biloli	Belwandi	47I16-2C	74.9314	19.1392	398.4	1992-93	OW	F Basalt	352.1	-	6.15		15	7	-	-	21	135	4	0	0	0	0	930	125	0	0
82	Shrigon da	Belwandi	47J10-1B	74.5936	18.7222	571.3	1993-94	EW		120	-	4.5		17	9	-	-	14	90	4	0	0	0	0	0	0	0	0
83	Shrigon da	Belwandi	47J10-1B	74.5936	18.7222	571.3	1993-94	OW		120	-	4.3		17	8	-	-	12	70	4	0	0	0	0	900	145	0	0
84	Shrigon da	Belwandi	47J10-1B	74.5936	18.7222	571.3		OW		121	-	5.3		15	7	-	-	12	70	4	0	0	0	0	0	0	0	0
85	Karjat	Karzat	47N2-3A	75.0133	18.5564	585	1993-94	EW		200	-	2.6	16-21	21	12.05	-	-	15	80	1	0	0	0	0	1050	195	7.2	0
86	Akole	Kotul	47E15-1C	73.9667	19.4333	699	1993-94	EW		200	-	6.25	12.4 -	18	7.16	17.92	-	12	90	1	0	0	0	0	1480	585	18	0
87	Sangam ner	Bota	47I3-3B	74.1617	19.268	663.4	1993-94	EW		122	26.43	2.3	12.4 - ,48.7 -	26	15	13.05	-	12	90	5	0	0	0	0	440	60	3.2	0
88	Sangam ner	Bota	47I3-3B	74.1617	19.268	663.4	1993-94	OW		200	-	2	3 - ,29.5 -	26	15	1.14	-	21	120	5	0	0	0	0	830	245	2.4	0
89	Akole	Panshet	47E10-2C	73.7438	19.5918	793	1993-94	EW		200	-	6.1	152 -	12	1.41	1.05	-	12	155	2	0	0	0	0	270	55	2	0
90	Akole	Rajura	47E14-3B	73.8722	19.5222	738.1	1993-94	EW		200	-	9.5	6.5 -	14	1.41	1.05	-	12	110	2	0	0	0	0	1560	465	42	0
91	Nevasa	Handi Nimbgaon	47I14-3C	74.9525	19.5121	472.4	1990-91	EW		200	-	-		19	8	-	-	12	125	3	0	0	0	0	0	0	0	0
92	Nevasa	Handi Nimbgaon	47I14-3C	74.9525	19.5115	472.4	1990-91	OW		200	-	-		19	8	-	-	15	125	3	0	0	0	0	0	0	0	0
93	Sangam ner	Chandnapur	47I3-1C	74.2	19.4958	615	1991-92	EW		200	-	-		35	21	-	-	12	90	1	0	0	0	0	0	0	0	0
94	Akole	Pendshet	47E10-2C	73.7441	19.5915	830		EW		200	-	-		18	9	-	-	15	80	1	0	0	0	0	0	0	0	0
95	Parner	Ralegaon Siddhi	47J5-1B	74.4069	18.9181	655.6	2002-03	EW	FVB	98.9	-	5.6	13 - ,48 -	12	5.2	4.08	-	12	70	5	0	0	0	0	0	0	0	0
96	Parner	Ralegaon Siddhi	47J5-1B	74.4069	18.9181	655.6	2002-03	OW	F Basalt	200	-	6.1	8 -	12	5.7	1.14	-	21	120	5	0	0	0	0	0	0	0	0
97	Nagar	Arangaon	47I12-3C	74.7217	19.0222	655.7	2013-14	EW	-	200	-	30	-	21	12	Traces	-	30	90	0.5	0	0	0	0	0	0	0	0

Sl. No.	Taluka	Village	Toposh eet	xLon g	yLat	Altitu de	Year	Typ e	Aquifer	Drilli ng_ depth	Const_d epth	Casi ng	AQ_Zones	Pre SW L	Pos t SW L	PYT Discha rge	PYT DD	AQI	AQI	AQII Thickn ess	APT_S WL	APT_disch arge	APT_ DD	T	EC	TH	N O3	F
98	Nagar	Bambordi Ghumat	47J9-1C	74.73 89	18.99 28	653.6	2013-14	EW	AB	200		30	40.0-42.0	18.94	11	Traces	-	30	70	0.5	0	0	0	0	0	0	0	0
99	Nagar	Chas	47I12-3B	74.64 83	19.03 28	704.3	2013-14	EW	WAB	200		6.1	74.50-75.50	17	9	Traces	-	12	75	0.5	0	0	0	0	0	0	0	0
100	Nagar	Chinchodi Patil	47J13-1C	74.92 17	18.99 06	682.7	2013-14	EW	FMB	200		6.1	51.0-52.30	15	7	1.37	11.3	12	65	3	0	0	0	0	0	0	0	0
101	Nagar	Dehre	47I12-1C	74.67 5	19.23 89	586	2013-14	EW	-	200		30	-	16	8	Traces		30	90	0.05	0	0	0	0	0	0	0	0
102	Nagar	Deulgaon Sidhi	47J13-2A	74.75 26	18.91 1	676.8	2013-14	EW	VB	200		30	42.80-44.90	21	12	0.38	39.47	30	90	2	0	0	0	0	0	0	0	0
103	Nagar	Jadhavwadi	47J9-1C	74.68 4	18.97 37	639.3	2013-14	EW	FMB	200		30	95.0-96.0	19	10.05	Traces	-	30	96	0.05	0	0	0	0	0	0	0	0
104	Nagar	Khadki	47I12-3C	74.71 06	19.04 31	664.9	2013-14	EW	-	200		30	-	18	11	Traces		30	120	0.05	0	0	0	0	0	0	0	0
105	Nagar	Khatgaon Takli	47I12-2B	74.60 42	19.11 94	688	2013-14	EW	WAB	200		7.8	116-117.5	18	12	Traces	-	15	117	0.05	0	0	0	0	0	0	0	0
106	Nagar	Padampur Wadi	47I16-2A	74.77 67	19.12 22	678	2013-14	OW	-	200		30	-	18	6	Traces		30	120	0.05	0	0	0	0	0	0	0	0
107	Nagar	Pimpalgaon Kavda	47I12-3A	74.56 23	19.02 17	684.6	2013-14	EW	-	200		6.1	-	13.44	5	Traces	-	15	110	0.05	0	0	0	0	0	0	0	0
108	Junnar	Pimpalgaon Malvi	47I12-1C	74.73 53	19.21 45	797.9	2013-14	EW	FMB	200		30	85.0-86.0	17	9.3	1.37	20.9	30	86	3	0	0	0	0	0	0	0	0
109	Junnar	Pimpalgaon Malvi	47I12-1C	74.73 78	19.21 24	797.9	2013-14	PZ	FMB	44		12	40.0-41.0	14	8.3	1.37	20.9	12	41	3	0	0	0	0	0	0	0	0
110	Nagar	Vilad	47I12-1C	74.67 75	19.18 92	611	2013-14	EW	-	200		30	-	16	9	Traces		30	125	0.5	0	0	0	0	0	0	0	0
111	Nagar	Nimdak	47I12-2C	74.67 22	19.14 33	662	2013-14	EW	-	200		6.1	-	14	8	Traces	-	14	125	0.5	0	0	0	0	0	0	0	0
112	Nagar	Nimgaon Wagha	47I12-3B	74.65 23	19.06 32	684.6	2013-14	EW	-	200		6.1	-	16	6	Traces	-	12	120	0.5	0	0	0	0	0	0	0	0
113	Nagar	Belpimpalgaon	47I14-3B	74.88 19	19.57 28	490.4	2013-14	EW	FVB	200		29.5	69.60-70.60	30.07	17	1.64		29.5	70	3	0	0	0	0	1298	0	0	0
114	Nevasa	Belpimpalgaon	47I14-3B	74.88 22	19.56 72	482	2013-14	OW	FVB	92		29.5	69.60-72.61	30.1	19	1.64		29.5	72	3	0	0	0	0	0	0	0	0
115	Nevasa	Bhanas Hivera	47I15-1C	74.96 5	19.48 42	497	2013-14	EW	FB	200		29.5	119.40-122	11	4.9	0.14		29.5	122	1	0	0	0	0	2630	0	0	0
116	Nevasa	Bhanas Hivera	47I15-1C	74.96 5	19.48 39	496.7	2013-14	OW-I	VB	37		5.5	11-12.70	13	3.6	3.81	3.04	15	12.7	5	0	0	0	0	1513	0	0	0
117	Nevasa	Bhanas Hivera	47I15-1C	74.96 5	19.48 42	497	2013-14	OW-II	VB	43		5.5	14-15.70	15	3.65	2.59	3.2	21	15.7	5	0	0	0	0	0	0	0	0
118	Nevasa	Dhangarwadi	47I15-2A	74.80 81	19.35 72	536.4	2013-14	EW	VB,FRB	200		6	40-41,68-69	32	21	DRY		12	70	0.5	0	0	0	0	0	0	0	
119	Nevasa	Dhangarwadi	47I15-2A	74.80 86	19.35 72	535.7	2013-14	OW	MFB	56.2		6	40-49	32	21	DRY		14	49	0.5	0	0	0	0	0	0	0	
120	Nevasa	Ghodegaon	47I15-2B	74.87 69	19.35 42	529	2013-14	EW	VB	200		5.5	78-82,148-162	21	11	0.93		15	162	2	0	0	0	0	0	0	0	0
121	Nevasa	Ghodegaon	47I15-2B	74.87 69	19.35 42	529	2013-14	OW	MFB	44		5.5	29-38	21	11	0.14		12	38	1	0	0	0	0	0	0	0	0
122	Nevasa	Kautha	47I15-	74.97	19.38	518	2013-	EW	FB	200		29.5	12-13,24-25	16	6.6	1.64		29.	125	3	0	0	0	0	0	0	0	0



Sl. No.	Taluka	Village	Toposh eet	xLon g	yLat	Altitu de	Year	Typ e	Aquifer	Drilli ng_ depth	Const_d epth	Casi ng	AQ_Zones	Pre SW L	Pos t SW L	PYT Discha rge	PYT DD	AQI	AQI I	AQII Thickn ess	APT_S WL	APT_disch arge	APT_ DD	T	EC	TH	N O3	F	
2			2C	03	22		14								7														
12	Nevasa	Khadka	47114-3C	74.9814	19.5581	498	2013-14	EW	VB/FB	200		30	29-31,32.10-36	23.4	9	9.26		30	125	5	0	0	0	0	0	0	0	0	0
12	Nevasa	Khadka	47114-3C	74.9817	19.5578	499.3	2013-14	OW	FB	42		21		22.7	13	7.6	18.53	21	40	2	0	0	0	0	0	0	0	0	0
12	Nevasa	Khedle Kajali	47114-2B	74.8631	19.5894	496.2	2013-14	EW	Nil	200		30	30.5-33, 61-61.50,82.5-88.90	18	2.34	3.81	43.79	30	90	2	0	0	0	0	2974	0	0	0	
12	Akole	Khedle Kajali	47M2-2A	75.0422	19.6012	655	2013-14	OW	FB	74.5		29.5		17	2.43	3		29.5	74	3	0	0	0	0	0	0	0	0	0
12	Akole	Kokana	47E14-1B	73.8361	19.6924	868	2013-14	EW	VB/ZB	166		5.6	77.5-83.6	25	15.35	3.81		21	84	3	0	0	0	0	0	0	0	0	0
12	Nevasa	Mahalaxmi Hivre	47115-3C	74.9914	19.3144	526.6	2013-14	EW	VB	200		30		59.2	21	0.14		30	125	1	0	0	0	0	0	0	0	0	0
12	Nevasa	Niwasa Phata	47114-3C	74.9544	19.5267	497.7	2013-14	EW	FB	200		30	14.50-15,20-22	17.88	12	6.68		30	135	3	0	0	0	0	0	0	0	0	0
13	Nevasa	Niwasa Phata	47114-3C	74.9547	19.5267	498.3	2013-14	PZ	FB	40		15		17	11	6.43		15	35	2	79.23	3.28	0	0	0	0	0	0	0
13	Akole	Salbatpur	47M2-3A	75.0502	19.5498	580	2013-14	EW	FB	200		30	27-31	19	9	2.59		30	80	2	0	0	0	0	0	0	0	0	0
13	Rahuri	Sheregaon	47115-1A	74.7858	19.4567	493	2013-14	EW	FB	200		29.5	19-24	30.07	12	1.64		29.5	135	3	0	0	0	0	0	0	0	0	0
13	Nevasa	Sonai	47115-2A	74.8094	19.4	519.7	2013-14	EW	FB,VB	200		5.5	58-59,142-146	30.1	12	0.03		14	146	0.5	0	0	0	0	NA	0	0	0	
13	Nevasa	Tamaswadi	47115-1B	74.8628	19.4783	487.3	2013-14	EW	VZB	105.3		30	59.70-62.50, 93.10-94.10	15	4.9	7.9		30	94	6	0	0	0	0	5447	0	0	0	
13	Nevasa	Tamaswadi	47115-1B	74.8628	19.4783	487.3	2013-14	EW-II	VZB	74.5		30	59-62.50, 68.40-74	18	3.6	14.26		30	74	6	0	0	0	0	5655	0	0	0	
13	Nevasa	Telgutgaon	47M3-2B	75.0836	19.3708	500	2013-14	EW	VB,FB	200		29.5	38-41.20,85-87	16	3.65	3.81	41.5	29.5	87	5	0	0	0	0	0	0	0	0	
13	Nevasa	Vanjavali	47115-3A	74.8244	19.2933	566.3	2013-14	EW	VB	200		6	112-115	21	16	0.93		15	115	2	0	0	0	0	0	0	0	0	
13	Nevasa	Wadala Bhairoba	47115-1B	74.9083	19.4317	509	2013-14	EW	FB ,VB	200		5.6	26-32,63-78,136-142	21	16	2.59		12	142	4	0	0	0	0	0	0	0	0	
13	Nevasa	Wadala Bhairoba	47115-1B	74.9083	19.4317	509	2013-14	OW	VB	74.5		5.6	22-29	22	13	0.93		15	70	1	0	0	0	0	0	0	0	0	
14	Nagar	Mehekari	47116-2B	74.8703	19.1103	790.3	2013-14	EW		200		6.1		25	14	Traces		15	90	0.5	0	0	0	0	0	0	0	0	
14	Nagar	Burhan Nagar	47116-2A	74.7739	19.1203	677.4	2013-14	EW	FB	200		6.1	127	18	6.67	0.14		15	110	1	0	0	0	0	0	0	0	0	
14	Nagar	Dahigaon	47J13-1A	74.7946	18.9667	698.3	2013-14	EW		200				23.4	9	Traces		15	125	0.5	0	0	0	0	0	0	0	0	
14	Nagar	Jeur (Wayjabai)	47116-1A	74.8058	19.2131	703.3	2013-14	EW	VB	200		12.2	52.30 - 55.30	22.7	12	0.45		12.2	110	1	0	0	0	0	0	0	0	0	
14	Nagar	Kaji Takli	47116-3B	74.845	19.0403	683	2013-14	EW		200		3.5		16	2.34	Traces		12	90	0.5	0	0	0	0	0	0	0	0	
14	Nagar	Rui Chhatisi	47J13-2B	74.8361	18.9083	607.7	2013-14	EW		200				15	2.43	Traces		25	80	0.5	0	0	0	0	0	0	0	0	
14	Nagar	Shendi	47116-2A	74.7639	19.1611	681.6	2013-14	EW		200				24	15.35	Traces		25	80	0.5	0	0	0	0	0	0	0	0	

Sl. No.	Taluka	Village	Toposh eet	xLon g	yLat	Altitu de	Year	Typ e	Aquifer	Drilli ng_ depth	Const_d epth	Casi ng	AQ_Zones	Pre SW L	Pos t SW L	PYT Discha rge	PYT DD	AQI	AQI I	AQII Thickn ess	APT_S WL	APT_disch arge	APT_ DD	T	EC	TH	N O3	F	
147	Kopargaon	Chas Nali	4715-1A	74.2894	19.9492	514	2014-15	EW	FMB	200		21	37.9-38.5 , 56.2-59.2 , 83.6-84.00	13	7.85	3.5		21	84	6	0	0	0	0	0	0	0	0	0
148	Kopargaon	Chas Nali	4715-1A	74.2894	19.9492	514	2014-15	OW	VB	99.1		21	37.9-38.5;56.2-59.2;83.6-84.00	15	8.5	3		21	84	5	0	0	0	0	0	0	0	0	0
149	Kopargaon	Darde Korhale	4715-2B	74.3903	19.8357	511	2014-15	EW	FMB	200		29.5	50.51	31.2	12	0.14		29.5	120	1	0	0	0	0	0	0	0	0	0
150	Kopargaon	Kakardi	4716-1B	74.3875	19.7011	567	2014-15	EW	FMB	200		18	32-35 , 41.1-48.2	32	12	0.78		18	48	2	0	0	0	0	0	0	0	0	0
151	Kopargaon	Kakardi	4716-1B	74.3875	19.7011	567	2014-15	OW	FMB	63		18	32-35;47.2-48.2	31.2	12	4		18	48	6	0	0	0	0	0	0	0	0	0
152	Kopargaon	Karanja	4719-1A	74.5294	19.9403	521.8	2014-15	EW		200				21	12	Traces		25	145	0.5	0	0	0	0	0	0	0	0	0
153	0	Kokamthan	4715-2C	74.4979	19.8447	499.2	2014-15	EW	FMB	200		13	41.5-44.30	19	7.85	5.94		13	65	6	0	0	0	0	0	0	0	0	0
154	0	Kokamthan	4715-2C	74.4982	19.844	499.2	2014-15	OW		70				19	7.85	4.43		13	65	6	0	0	0	0	0	0	0	0	0
155	Kopargaon	Kopargaon	4715-2C	74.4764	19.8836	502.7	2014-15	EW		200				21	11	0.14		21	145	1	0	0	0	0	0	0	0	0	0
156	Rahata	Pimpalwadi	4719-3A	74.5228	19.7614	503.3	2014-15	EW	FMB	200		30.5		67	35			30.5	120	0.5	0	0	0	0	0	0	0	0	0
157	Kopargaon	Rawande	4715-1B	74.4106	19.9639	517.9	2014-15	EW	FMB	200		18.5	14.3-117.4	53	24	2.15		18.5	117	5	0	0	0	0	0	0	0	0	0
158	Kopargaon	Rawandhe	4715-1B	74.4106	19.9639	517.9	2014-15	OW	VB	142		18.5	19.7-16.00;123.5-124.00	53	24	0.38		18.5	124	1	0	0	0	0	0	0	0	0	
159	Kopargaon	Sanwatsar	4719-2A	74.5441	19.8823	499.4	2014-15	EW		200				21	12	Traces		18	120	0.5	0	0	0	0	0	0	0	0	0
160	Kopargaon	TALEGAON MALI	4719-2B	74.635	19.8886	512	2014-15	EW	FMB	200		25		19	13			25	120	0.5	0	0	0	0	0	0	0	0	0
161	Kopargaon	Tilwani	4719-1B	74.6126	19.9357	528	2014-15	EW	FAB	200		18	13.60-16.60	21	11	0.15		18	120	1	0	0	0	0	0	0	0	0	0
162	Nagar	Sarola	4719-1B	74.6656	18.9461	689	2014-15	EW		200				18	10.8	Traces		25	125	0.5	0	0	0	0	0	0	0	0	0
163	Nevasa	Gevrai (Georai)	47M2-3B	75.0886	19.5078	493.6	2014-15	EW	FMB	200		29.5	31.50-32.00;82.50-84.00	22	11	3.17		29.5	84	5	0	0	0	0	0	0	0	0	
164	Nevasa	Gevrai (Georai)	47M2-3B	75.0886	19.5078	493.6	2014-15	OW	FMB	92		29.5		22	11	0.38		29.5	70	1	0	0	0	0	0	0	0	0	0
165	Rahata	Adgaon	4716-2C	74.4319	19.6519	548	2014-15	EW	FMB	200		17.6	53-54	23	18.6	0.38		17.6	90	0	0	0	0	0	0	0	0	0	0
166	Rahata	Dadh Bk	4716-3C	74.4206	19.5236	525.3	2014-15	EW	FMB	200		30	7.4-8.5 , 54-56.2	45	30	0.78		30	90	2	0	0	0	0	0	0	0	0	0
167	Rahata	Ekrukhe	47110-1A	74.5342	19.7089	505.7	2014-15	EW	FMB	200		30	89.70-92.80 , 121-122	45	30	3.17		30	122	6	0	0	0	0	0	0	0	0	0
168	Rahata	Loni Budruk	4716-3C	74.4939	19.575	527.7	2014-15	EW	FMB	200		18	62.30 , 141.60-144.60 , 153.80-156.80	48	30.52	12.2		18	156	9	0	0	0	0	0	0	0	0	
169	Rahata	Loni Budruk	4716-3C	74.4939	19.575	527.7	2014-15	OW	FMB	159.9		18	98.9-101.9, 147.7-153.8	27	18.6	7.76		18	153.8	9	0	0	0	0	0	0	0	0	
170	Rahata	Pimpalwadi	4719-3A	74.5228	19.7614	503.3	2014-15	EW		200		30.5		75	35	Traces		30.5	60	0.5	0	0	0	0	0	0	0	0	
171	Rahata	Pimpri Nirmal	4716-2C	74.49	19.63	539.6	2014-	EW	FMB	200		18	89.70-90.80	52	15	0.14		18	90	1	0	0	0	0	0	0	0	0	0

Sl. No.	Taluka	Village	Toposh eet	xLon g	yLat	Altitu de	Year	Typ e	Aquifer	Drilli ng_ depth	Const_d epth	Casi ng	AQ_Zones	Pre SW L	Pos t SW L	PYT Discha rge	PYT DD	AQI	AQI I	AQII Thickn ess	APT_S WL	APT_disch arge	APT_ DD	T	EC	TH	N O3	F
1				28	69		15																					
172	Rahata	Purntambe	4719-3B	74.6078	19.7636	486.6	2014-15	EW	FMB	200		30	98.9-101.9	35	22	0.14		30	102	1	0	0	0	0	0	0	0	0
173	Rahata	Rahata	4716-1C	74.4803	19.7169	522	2014-15	EW	FMB	200		20	40.9-44 , 89.7-92.8	35	22	7.73		20	93	6	0	0	0	0	0	0	0	0
174	Rahata	Rahata	4716-1C	74.4803	19.7169	522	2014-15	OW	FMB	200		20	86.7-89.7	25	14	2.16		20	90	5	0	0	0	0	0	0	0	0
175	Shrirampur	Savali Vij	47110-2B	74.6481	19.6194	536.7	2014-15	EW	FMB	200		25	89-90	22	12	0.14		25	90	1	0	0	0	0	0	0	0	0
176	Rahata	Tisgaon	47110-3A	74.5303	19.5733	528.7	2014-15	EW	FMB	200		18	12-13.9 , 56.2-59.2	24.6	14	14.9		18	80	9	0	0	0	0	0	0	0	0
177	Rahata	Tisgaon	47110-3A	74.5303	19.5733	528.7	2014-15	OW	FMB	90		18		27	14.5	4.43		18	80	6	0	0	0	0	0	0	0	0
178	Sangamner	Ambikhalsa	4713-3C	74.1756	19.332	626	2014-15	EW	FB	200		23.5	8.80-21.80, 92.00-95.00	65	45	Traces		23.5	95	0.5	0	0	0	0	0	0	0	
179	Sangamner	Ashwi Bk.	4716-3C	74.4712	19.5602	641.3	2014-15	EW	FB	200		18	125.50 to 128.60	75	35	0.138		18	128	1	0	0	0	0	0	0	0	0
180	Sangamner	Dev-Kauthe	4716-2A	74.3267	19.6515	566.2	2014-15	EW	FB	200		25.5	122.5.0-125.50	65	30	0.138	NA	25.5	125	1	0	0	0	0	0	0	0	0
181	Sangamner	Dhandharphal	4712-3B	74.11	19.5336	563.3	2014-15	EW	FB	200		23.5	25.70-18.80	55	35	0.138	NA	23.5	90	1	0	0	0	0	0	0	0	0
182	Sangamner	Ghulewadi-	4712-2C	74.1919	19.5978	580.1	2014-15	EW	FB	200		29.5	47.50-48.50	70	45	Traces	NA	29.5	120	0.5	0	0	0	0	0	0	0	
183	Sangamner	Kauthe Bk	4713-2B	74.1364	19.3561	629.8	2014-15	EW	FAB	200		22	24.90-27.90	24	15.29	2.16	11.39	22	110	5	0	0	0	0	0	0	0	
184	Sangamner	Kauthe Bk	4713-2B	74.1364	19.3561	629.8	2014-15	OW	FAB	31		21	29.00-30.00	19	9.75	0.78	11.77	21	100	2	0	0	0	0	0	0	0	
185	Sangamner	Kauthe Kamleshwar	4716-2A	74.3283	19.6453	608.7	2014-15	EW	FAB	200		20.5	33.00-34.00 , 114.00-115.00	78	45	Traces	NA	20.5	115	0.5	0	0	0	0	0	0	0	
186	Sangamner	Kauthe Malkapur	4717-2B	74.3408	19.3894	641.3	2014-15	EW	FAB	200		29.5	79.80-82.80	65	45	Traces	NA	29.5	80	0.5	0	0	0	0	0	0	0	
187	Sangamner	Lohare	4716-2B	74.39	19.6353	571.7	2014-15	EW	FA B and FB	200		29.5	134.70-137.70 171.30-174.30	75	35	Traces	NA	29.5	174	0.5	0	0	0	0	0	0	0	
188	Sangamner	Maldad	4712-2C	74.2053	19.6344	618.4	2014-15	EW	FB	200		17.5	146.90 to 149.90	65	30	Traces	NA	17.5	149	0.5	0	0	0	0	0	0	0	
189	Sangamner	Nanduri Dhumala	4713-1B	74.1172	19.4886	621.7	2014-15	EW	NO AQUIFER ZONES	200		23.5	Nil	55	35	Traces	NA	23.5	90	0.5	0	0	0	0	0	0	0	
190	Sangamner	Nimgaon Bhojapur	4712-2B	74.1353	19.6208	607.7	2014-15	EW	FAB	195.7		26.5	159.10-162.10	70	45	Traces	NA	26.5	162	0.5	0	0	0	0	0	0		
191	Sangamner	Sarole Pathar	4713-2C	74.1806	19.3972	821	2014-15	EW	FAB, FB	200		23.5	18.80-21.80, 162.10-165.20	70	35	Traces	NA	23.5	165	0.5	0	0	0	0	0	0		
192	Sangamner	Sawargaon Talao	4713-1B	74.1547	19.4719	684.4	2014-15	EW	FB	200		23.5	95.00-98.100	70	38	Traces	NA	23.5	100	0.5	0	0	0	0	0	0	0	
193	Sangamner	Shedgaon	4716-3A	74.3328	19.5186	539.2	2014-15	EW	FB AND FAB	200		23.5	9.6-12.7, 180.04-183.5	70	45	Traces	NA	23.5	183	0.5	0	0	0	0	0	0	0	
194	Shrirampur	Belapur	47110-3B	74.6493	19.5751	509.8	2014-15	EW		200				23	12	0.14		12	70	1	0	0	0	0	0	0	0	
195	Shrirampur	Ghumandev	47114-2A	74.8022	19.6447	475.9	2014-15	EW	FMB	200		30	4.5-5.5 , 9.6-12.7 , 80.8-88.9	21	9.3	0.38	NA	30	90	1	0	0	0	0	0	0	0	

Sl. No.	Taluka	Village	Toposh eet	xLon g	yLat	Altitu de	Year	Typ e	Aquifer	Drilli ng_ depth	Const_d epth	Casi ng	AQ_Zones	Pre SW L	Pos t SW L	PYT Discha rge	PYT DD	AQI	AQI l	AQII Thickn ess	APT_S WL	APT_disch arge	APT_ DD	T	EC	TH	N O3	F		
196	Sangamner	Khokar	47110-2C	74.7382	19.6027	608.7	2014-15	EW	FMB	200		30	12.5-13.5 , 126-127.5	35	22	0.38	NA	30	127	1	0	0	0	0	0	0	0	0	0	
197	Shrirampur	Malewadi	47110-1C	74.7203	19.7053	491.8	2014-15	EW	FMB	200		30	65.30-68.40	28.5	17	0.14		30	90	0	0	0	0	0	0	0	0	0	0	0
198	Shrirampur	Nimgaon Khairi	47110-1B	74.6558	19.6806	508.7	2014-15	EW	FMB	200		17.6	12-13 , 120-121	17	10.6	0.024		17.6	121	1	0	0	0	0	0	0	0	0	0	0
199	Shrirampur	Padegaon	47110-3C	74.6881	19.5342	506.7	2014-15	EW	FMB	200		17.5	42-44	19	13.1	0.78		17.5	90	2	0	0	0	0	0	0	0	0	0	0
200	Shrirampur	Shrirampur	47110-2B	74.643	19.6252	536.7	2014-15	EW	FMB	200		30	42-45	41	30.52	0.024		30	90	1	0	0	0	0	0	0	0	0	0	0
201	Shrirampur	Wangi	47114-3A	74.7917	19.5306	480.3	2014-15	EW	FMB	200		21	42-44	35	30.52	0.024		21	90	1	0	0	0	0	0	0	0	0	0	0

**Annexure-II: Details of GW monitoring wells and KOWs in Akola district**

SN	District	Taluka	Village	Y	X	Elevation	Depth	Premonsoon WL	Postmonsoon WL	Fluctuation	RL premonsoon
1	Ahmednagar	Akole	Pimpalgaon Nakvinda	19.5732	73.9086	717.3	8.50	8.50	6.32	2.18	708.80
2	Ahmednagar	Akole	Khirvire	19.6408	73.8555	991.4	8.00	7.90	7.6	0.3	983.50
3	Ahmednagar	Akole	Padoshi	19.6685	73.8586	914.1	12.00	6.10	5.6	0.5	908.00
4	Ahmednagar	Akole	Kotul	19.4279	73.965	708	18.00	15.00	14.4	0.6	693.00
5	Ahmednagar	Akole	Dhamangaon-awari	19.523	73.9954	615.4	9.90	7.90	7.2	0.7	607.50
6	Ahmednagar	Akole	Induri	19.5394	73.9538	603.4	20.00	20.00	19.2	0.8	583.40
7	Ahmednagar	Akole	Badgi	19.276	74.0577	870.2	9.10	4.10	3.1	1	866.10
8	Ahmednagar	Akole	Bramhanwada	19.3669	74.0191	959.9	9.90	7.10	6.1	1	952.80
9	Ahmednagar	Akole	Shilvandi	19.4598	73.8906	709.4	11.00	8.40	7.4	1	701.00
10	Ahmednagar	Akole	Waghapur	19.4312	74.0124	653.3	12.00	7.90	6.9	1	645.40
11	Ahmednagar	Akole	Jambhale	19.294	74.0388	850.7	10.80	10.00	8.7	1.3	840.70
12	Ahmednagar	Akole	Umbarwadi (n.v.)	19.4039	73.9054	989.3	8.00	6.80	5.4	1.4	982.50
13	Ahmednagar	Akole	Water Body ( Ratanwadi)	19.5172	73.7247	761.4	12.00	11.00	9.6	1.4	750.40
14	Ahmednagar	Akole	Pimpaldari	19.3685	74.0865	643.3	11.20	10.50	9.1	1.4	632.80
15	Ahmednagar	Akole	Belapur	19.2957	74.0818	778.5	30.00	25.00	23.5	1.5	753.50
16	Ahmednagar	Akole	Hivargaon	19.6118	74.0903	620.4	29.00	24.00	22.5	1.5	596.40
17	Ahmednagar	Akole	Jamgaon	19.5091	73.8932	715.9	13.00	9.00	7.2	1.8	706.90
18	Ahmednagar	Akole	Belapur	19.2873	74.0892	762.6	29.00	25.00	23	2	737.60
19	Ahmednagar	Akole	Kelungan	19.5267	73.8468	739.9	18.00	13.20	11.1	2.1	726.70
20	Ahmednagar	Akole	Shinganwadi	19.5605	73.6939	756.7	9.00	8.70	6.2	2.5	748.00
21	Ahmednagar	Akole	Virgaon	19.6164	74.0573	654.7	16.00	9.90	7.1	2.8	644.80
22	Ahmednagar	Akole	Paithan	19.4606	73.9226	697.3	14.00	11.30	8.4	2.9	686.00
23	Ahmednagar	Akole	Panjare	19.5682	73.719	757.2	11.00	6.10	3.1	3	751.10
24	Ahmednagar	Akole	Pendshet	19.5903	73.7439	809.8	9.00	6.00	2.8	3.2	803.80
25	Ahmednagar	Akole	Keli kotul	19.3847	73.9514	960.2	4.5	3.9	0.55	3.35	956.30
26	Ahmednagar	Akole	Samsherpur	19.6469	73.9654	757.6	12.50	6.40	2.65	3.75	751.20
27	Ahmednagar	Akole	Bari	19.6142	73.7323	832.2	13.00	8.00	3.5	4.5	824.20
28	Ahmednagar	Akole	Lavhali Otur	19.4495	73.7914	742.7	8.00	6.00	1.4	4.6	736.70
29	Ahmednagar	Akole	Waki	19.5611	73.7833	759	5.75	5	0.3	4.7	754.00
30	Ahmednagar	Akole	Manoharpur	19.5294	74.0497	581.1	16.00	14.00	9.2	4.8	567.10
31	Ahmednagar	Akole	Kotul	19.4361	73.9667	698.7	8.7	8.7	3	5.7	690.00
32	Ahmednagar	Akole	Bramhanwada.	19.3417	74.0375	907	7.81	7.3	1.3	6	899.70
33	Ahmednagar	Akole	Rajur	19.5194	73.8708	737.4	9.65	7.4	1.3	6.1	730.00
34	Ahmednagar	Akole	Tale	19.4096	73.8252	841.6	12.00	9.10	2.9	6.2	832.50

SN	District	Taluka	Village	Y	X	Elevation	Depth	Premonsoon WL	Postmonsoon WL	Fluctuation	RL premonsoon
35	Ahmednagar	Akole	Akola	19.5667	73.9639	617.1	10	7.9	1.5	6.4	609.20
36	Ahmednagar	Akole	Sawargaonpat	19.6427	73.9953	723.9	16.00	14.00	6.8	7.2	709.90
37	Ahmednagar	Akole	Tahakari	19.6458	73.9361	779.9	9	9	1.3	7.7	770.90
38	Ahmednagar	Akole	Unchkhadak Bk.	19.5556	73.9778	572.8	8.3	8.3	0.5	7.8	564.50
39	Ahmednagar	Akole	Takali	19.55	73.9958	576.8	15.75	10.2	1.1	9.1	566.60
40	Ahmednagar	Akole	Kalas kh.	19.5319	74.0681	569.6	9.7	9.7	0.5	9.2	559.90
41	Ahmednagar	Akole	Deothan	19.6549	74.0296	716.2	27.00	22.00	12.4	9.6	694.20
42	Ahmednagar	Akole	Tambhol.	19.5833	74.0431	645.4	13	13	2.3	10.7	632.40
43	Ahmednagar	Akole	Nachanthav	19.3958	73.9707	858.7	32.00	28.00	16.8	11.2	830.70
44	Ahmednagar	Akole	Maveshi.	19.4944	73.8417	876.2	13	13	1.7	11.3	863.20
45	Ahmednagar	Akole	Deothan	19.6389	74.0431	660.6	19.4	14.7	3.2	11.5	645.90
46	Ahmednagar	Akole	Keli Rumhanwadi	19.6585	73.9134	808.7	22.00	21.10	9.1	12	787.60
47	Ahmednagar	Akole	Dongargaon	19.636	74.1117	625.2	18.00	16.00	0.6	15.4	609.20
48	Ahmednagar	JAMKHED	Chondhi	18.5708	75.1889	528.1	11	11	8.9	2.1	517.10
49	Ahmednagar	JAMKHED	Satephal.	18.6056	75.4486	581.4	6.25	5.9	0.9	5	575.50
50	Ahmednagar	JAMKHED	Zikri	18.65	75.2986	581.6	10.8	6	0.8	5.2	575.60
51	Ahmednagar	JAMKHED	Dongaon.	18.7264	75.1917	578.4	13.35	9.1	3.4	5.7	569.30
52	Ahmednagar	JAMKHED	Arangaon	18.6722	75.1806	557.3	9.2	9.2	2.9	6.3	548.10
53	Ahmednagar	JAMKHED	Pimpalgaon Alwa.	18.6514	75.3819	612.5	9.2	7.7	1.3	6.4	604.80
54	Ahmednagar	JAMKHED	Sonegaon.	18.5667	75.4153	549.3	9.6	9.6	1.2	8.4	539.70
55	Ahmednagar	JAMKHED	Jamkhed	18.7306	75.3125	593	13.4	13.4	3.2	10.2	579.60
56	Ahmednagar	JAMKHED	Nannaj.	18.5958	75.3111	553.3	14.8	14.8	4.5	10.3	538.50
57	Ahmednagar	JAMKHED	Kaudgaon	18.6333	75.175	542	13.8	13.6	3	10.6	528.40
58	Ahmednagar	JAMKHED	Borle	18.5639	75.2944	534.2	15.6	15	3.1	11.9	519.20
59	Ahmednagar	KARJAT	Nimgaon Daku.	18.5722	75.1444	538.6	7.9	5.8	3.5	2.3	532.80
60	Ahmednagar	KARJAT	Khatgaon	18.4944	75.0944	554.5	7.8	6	3.6	2.4	548.50
61	Ahmednagar	KARJAT	Karpadi	18.5889	74.8653	578.3	6.8	5.3	1.8	3.5	573.00
62	Ahmednagar	KARJAT	Baradgaon Sudrik.	18.4486	74.8167	517.3	11	5.5	1.8	3.7	511.80
63	Ahmednagar	KARJAT	Jalalpur.	18.4792	74.7347	511	10.5	6.2	1.8	4.4	504.80
64	Ahmednagar	KARJAT	Akhoni.	18.3958	74.8625	514	12	11	4.5	6.5	503.00
65	Ahmednagar	KARJAT	Nagalwadi	18.7042	75.0917	551.9	14.5	13.6	6.7	6.9	538.30
66	Ahmednagar	KARJAT	Jalgaon	18.6458	75.0958	559.2	11.2	11.2	3.4	7.8	548.00
67	Ahmednagar	KARJAT	Mirajgaon	18.7292	75.0264	566.1	13.5	12	4.2	7.8	554.10
68	Ahmednagar	KARJAT	Koregaon	18.5292	75.0542	574.2	11.1	13	5	8	561.20
69	Ahmednagar	KARJAT	Babulgaon Khalasa	18.6861	75.05	573.3	12	12	3.6	8.4	561.30
70	Ahmednagar	KARJAT	Bahirobawadi.	18.5972	75.0042	608.6	14.9	14.9	6.5	8.4	593.70

SN	District	Taluka	Village	Y	X	Elevation	Depth	Premonsoon WL	Postmonsoon WL	Fluctuation	RL premonsoon
71	Ahmednagar	KARJAT	Rashin.	18.4333	74.9222	545.8	12.8	12.8	3.7	9.1	533.00
72	Ahmednagar	KARJAT	Chicholi Kaldat.	18.6403	75.0292	581	13.5	13.5	4.3	9.2	567.50
73	Ahmednagar	KARJAT	Ruigavhan.	18.6361	74.8542	592.5	13.7	13.7	3.5	10.2	578.80
74	Ahmednagar	Kopargaon	Chas	19.9471	74.2887	511.7	16	8.80	8.3	0.5	502.90
75	Ahmednagar	Kopargaon	Takali	19.9324	74.4477	514.1	10.8	8.70	7.95	0.75	505.40
76	Ahmednagar	Kopargaon	Sangwi Bhusas	19.9402	74.5294	522.1	9.45	9.60	8.85	0.75	512.50
77	Ahmednagar	Kopargaon	PohangaonKhured	19.8089	74.394	520	8.9	8.56	7.8	0.76	511.44
78	Ahmednagar	Kopargaon	Talegaon	19.645	74.6541	529.2	11.5	4.45	3.6	0.85	524.75
79	Ahmednagar	Kopargaon	Dharngaon	19.7533	74.4232	533.4	13.2	13.05	12.2	0.85	520.35
80	Ahmednagar	Kopargaon	Karangi	19.9402	74.5294	522.1	8	3.20	2.15	1.05	518.90
81	Ahmednagar	Kopargaon	Dhotre	19.8424	74.394	513.9		15.20	14	1.2	498.70
82	Ahmednagar	Kopargaon	U.K Khadgaon	19.9371	74.656	535.6		5.50	4.2	1.3	530.10
83	Ahmednagar	Kopargaon	Kolpewadi	19.8919	74.3621	524.5	11	9.00	7.69	1.31	515.50
84	Ahmednagar	Kopargaon	Bhojde	19.8653	74.5886	503.7	13.85	13.60	12	1.6	490.10
85	Ahmednagar	Kopargaon	Kanhegaon RS	19.818	74.5714	498.8	21.7	10.11	8.3	1.81	488.69
86	Ahmednagar	Kopargaon	Sanvaster	19.8787	74.5278	501.5	10	11.25	8.7	2.55	490.25
87	Ahmednagar	Kopargaon	Yesgaon	19.948	74.4864	524.4	10.25	11.55	7.45	4.1	512.85
88	Ahmednagar	Kopargaon	Ravanda	19.9769	74.4122	526.9	14.5	12.00	7.5	4.5	514.90
89	Ahmednagar	Kopargaon	Kakadi	19.6915	74.3716	585.2	14.6	11.50	6.9	4.6	573.70
90	Ahmednagar	Kopargaon	Shirasgaon	19.7517	74.695	480	15.6	14.16	9.2	4.96	465.84
91	Ahmednagar	Kopargaon	Ranjangaon	19.7403	74.3337	561.1	17.5	17.00	11.8	5.2	544.10
92	Ahmednagar	Kopargaon	Anchalgaon	19.9611	74.5143	522.8	10.5	15.86	9.8	6.06	506.94
93	Ahmednagar	Kopargaon	Julagaon	19.7066	74.6174	510.8		13.4	5	8.4	497.40
94	Ahmednagar	Nagar	Kamargaon	19	74.5903	744.4	9.15	8.56	7.82	0.74	735.84
95	Ahmednagar	Nagar	Ghospuri	18.9169	74.66	715.4	20.12	10.55	8.8	1.75	704.85
96	Ahmednagar	Nagar	Deulgaon Sidhi	18.9167	74.7417	655.1	13.14	14.3	12.375	1.925	640.80
97	Ahmednagar	Nagar	Walki	18.9556	74.7528	644.9	12.44	11.23	9.225	2.005	633.67
98	Ahmednagar	Nagar	Dongargun	19.2444	74.7556	700.3	21.21	22.65	20.165	2.485	677.65
99	Ahmednagar	Nagar	Akolner	18.9778	74.6556	694.9	9.84	10.8	7.82	2.98	684.10
100	Ahmednagar	Nagar	Tandali Vadgaon	18.9222	74.7944	623.7	23	23.6	20.27	3.33	600.10
101	Ahmednagar	Nagar	Wadgaon Gupte	19.1586	74.7288	662.4	11.55	12.7	9.27	3.43	649.70
102	Ahmednagar	Nagar	Narayandho	19.0278	74.6417	721.5	20.86	20.55	16.795	3.755	700.95
103	Ahmednagar	Nagar	Barabahili	19.0944	74.8028	683.6	13.86	14.7	10.81	3.89	668.90
104	Ahmednagar	Nagar	Sendhawa	19.0096	74.8661	671.1	12.06	13.7	9.71	3.99	657.40
105	Ahmednagar	Nagar	Nepti	19.0844	74.6778	665	22.04	21.6	17.525	4.075	643.40
106	Ahmednagar	Nagar	Nimgaon	19.1385	74.5947	688.3	18.12	19.2	15.095	4.105	669.10

SN	District	Taluka	Village	Y	X	Elevation	Depth	Premonsoon WL	Postmonsoon WL	Fluctuation	RL premonsoon
107	Ahmednagar	Nagar	Ruichastil	18.9083	74.8361	607.7	11.35	12.3	8.17	4.13	595.40
108	Ahmednagar	Nagar	Arangaon	19.0597	74.7236	648.6	16	15.35	10.58	4.77	633.25
109	Ahmednagar	Nagar	Nimblak	19.1458	74.6736	669.2	19.14	20.65	15.59	5.06	648.55
110	Ahmednagar	Nagar	Khandala	18.9661	74.7069	668.9	20.12	20.1	14.37	5.73	648.80
111	Ahmednagar	Nagar	Shendi	19.1611	74.7639	681.6	16.16	17.7	11.935	5.765	663.90
112	Ahmednagar	Nagar	Mehekeri	19.0944	74.8694	749.9	16.67	16.82	11	5.82	733.08
113	Ahmednagar	Nagar	Gundegaon	18.8389	74.7556	662.5	17.46	16.6	9.885	6.715	645.90
114	Ahmednagar	Nagar	Takli Khatgaon	19.0978	74.6101	689.4	17.1	18.6	11.875	6.725	670.80
115	Ahmednagar	Nagar	Vilad	19.1917	74.6767	607.8	18.24	17.3	9.675	7.625	590.50
116	Ahmednagar	Nagar	Hivere Bazar	19.0722	74.6056	723.1	14.46	13.32	5.345	7.975	709.78
117	Ahmednagar	Nagar	Pimpalgaon Malvi	19.225	74.7639	702.6	21.84	22.65	14.65	8	679.95
118	Ahmednagar	Nagar	Ukargaon	19.0083	74.7528	640.3	12.12	13.7	5.3	8.4	626.60
119	Ahmednagar	Nagar	Kapurwadi	19.1333	74.8083	693.2	25.13	23.2	14.4	8.8	670.00
120	Ahmednagar	Nagar	Kedgaon	19.0639	74.7639	645.6	19.28	15	5.725	9.275	630.60
121	Ahmednagar	Nagar	Chinchodi Patil	18.9944	74.9222	684.3	23	23.45	13.995	9.455	660.85
122	Ahmednagar	Nagar	Nandgaon	19.2778	74.6639	550.5	22.15	18.6	7.15	11.45	531.90
123	Ahmednagar	Nagar	Nimbodi	19.0639	74.8056	674.2	18.46	17.5	4.425	13.075	656.70
124	Ahmednagar	Niwasa	Ranjangaon	19.4279	74.9736	532.7	6.06	6.06	6.035	0.025	526.64
125	Ahmednagar	Niwasa	Shingve kesha	19.2625	74.8851	587.1	5.45	5.45	3.97	1.48	581.65
126	Ahmednagar	Niwasa	Sonai(Bolekherwadi)	19.3347	74.8022	545.9	16.2	11.23	9.53	1.7	534.67
127	Ahmednagar	Niwasa	Pichadgaon	19.5142	75.0108	500.1	0	8.42	6.63	1.79	491.68
128	Ahmednagar	Niwasa	Sonai	19.3774	74.8093	519.1	7.32	6.9	4.725	2.175	512.20
129	Ahmednagar	Niwasa	Pangarmal	19.2753	74.8806	563.1	5.5	4.85	2	2.85	558.25
130	Ahmednagar	Niwasa	vadala(NHS)	19.4297	74.9047	504.2	12.22	8.76	5.605	3.155	495.44
131	Ahmednagar	Niwasa	Khojपुरi	19.2578	74.8447	623.6	8.2	4.9	1.15	3.75	618.70
132	Ahmednagar	Niwasa	Maka	19.3183	75.0228	508.1	11.42	9.32	5.5	3.82	498.78
133	Ahmednagar	Niwasa	Devgaon	19.4011	75.0172	519.4	18.6	7.6	3.67	3.93	511.80
134	Ahmednagar	Niwasa	Godagaon	19.3544	74.8747	524.7	12.55	10.31	6.05	4.26	514.39
135	Ahmednagar	Niwasa	Vadala	19.4181	74.8997	505.1	13.33	12.6	8.21	4.39	492.50
136	Ahmednagar	Niwasa	Kokana(NHS)	19.4336	75.0711	500.9	0	14.3	9.675	4.625	486.60
137	Ahmednagar	Niwasa	Godagaon (NHS)	19.3533	74.8778	528	7.36	8	3.35	4.65	520.00
138	Ahmednagar	Niwasa	Pandarichapur	19.2616	74.6667	560.2	10.72	10.6	5.9	4.7	549.60
139	Ahmednagar	Niwasa	Miri	19.301	74.9011	550.4	18.05	15.32	10.45	4.87	535.08
140	Ahmednagar	Niwasa	Sirasgaon	19.4569	74.7861	493.6	11.55	8.7	3.625	5.075	484.90
141	Ahmednagar	Niwasa	Gundle	19.256	74.8136	788	13.4	8.9	3.45	5.45	779.10
142	Ahmednagar	Niwasa	pandhrichapul	19.2744	74.8389	599.8	13.01	11.54	5.805	5.735	588.26



SN	District	Taluka	Village	Y	X	Elevation	Depth	Premonsoon WL	Postmonsoon WL	Fluctuation	RL premonsoon
143	Ahmednagar	Niwasa	Tamaswadi	19.4708	74.8644	486.8	14	13.1	7.185	5.915	473.70
144	Ahmednagar	Niwasa	Bhoyagan	19.4156	75.0986	491.4	0	13.3	6.495	6.805	478.10
145	Ahmednagar	Niwasa	M.chhinchore	19.3183	74.7864	563.4	13.07	13.01	6.15	6.86	550.39
146	Ahmednagar	Niwasa	Pandrichapur	19.2505	74.672	574	12.82	12.78	5.5	7.28	561.22
147	Ahmednagar	Niwasa	Ghodegaon	19.3506	74.8819	532	19.55	19.02	10.125	8.895	512.98
148	Ahmednagar	Niwasa	Ganeshwadi	19.4172	74.8539	502.8	21.3	19.6	10.35	9.25	483.20
149	Ahmednagar	Niwasa	Jeur	19.4008	75.0664	495.7	17.4	15.6	5.4	10.2	480.10
150	Ahmednagar	Niwasa	B Hivera	19.4672	74.9456	503.2	23.7	21.05	8.775	12.275	482.15
151	Ahmednagar	Niwasa	Saltbapur	19.5483	75.0381	483.7	15.3	15.9	2.855	13.045	467.80
152	Ahmednagar	Niwasa	Khojpuri	19.2616	74.8518	596	18.6	15.3	2	13.3	580.70
153	Ahmednagar	Niwasa	Mahichinchore(Koregaon)	19.4181	74.9472	527.7	25	23.75	7.45	16.3	503.95
154	Ahmednagar	PARNER	Kanhoor	19.0972	74.3847	851.7	12.2	7.3	3	4.3	844.40
155	Ahmednagar	PARNER	Chombhut	19.0194	74.2	605.2	10.9	9	4.3	4.7	596.20
156	Ahmednagar	PARNER	Bhalawani	19.1083	74.55	719	11.4	10	4	6	709.00
157	Ahmednagar	PARNER	Wankute	19.2931	74.4542	606.1	10.3	10.3	3.6	6.7	595.80
158	Ahmednagar	PARNER	Nighoj	18.9583	74.2806	606.1	10.8	10.8	3.8	7	595.30
159	Ahmednagar	PARNER	Kalas	19.1028	74.2181	686.6	13.4	12.3	5.1	7.2	674.30
160	Ahmednagar	PARNER	Parner	19	74.4375	791	9.1	9	1.3	7.7	782.00
161	Ahmednagar	PARNER	Katalwede	19.2167	74.2083	815	14.35	13.3	5.5	7.8	801.70
162	Ahmednagar	PARNER	Wade Gavhan	18.8625	74.4125	586	15.2	10.2	1.8	8.4	575.80
163	Ahmednagar	PARNER	Wadzire.	19.0194	74.3389	681.6	17.3	13	4.6	8.4	668.60
164	Ahmednagar	PARNER	Alkuti	19.0597	74.2458	654.4	14.35	14.35	5.5	8.85	640.05
165	Ahmednagar	PARNER	Deswade	19.3139	74.325	576.3	22.4	17.5	8.5	9	558.80
166	Ahmednagar	PARNER	Karjule Harya	19.1683	74.3222	751.2	12.95	11.5	1.1	10.4	739.70
167	Ahmednagar	PARNER	Dhawalpuri	19.175	74.5306	685.6	15.55	12.7	0.1	12.6	672.90
168	Ahmednagar	PARNER	Tas	19.3431	74.4458	547.5	16.6	16.6	2.5	14.1	530.90
169	Ahmednagar	PATHARDI	Chinchpur Pangul.	19.0125	75.3125	613	9.3	7.3	4.1	3.2	605.70
170	Ahmednagar	PATHARDI	Kaudgaon	19.1736	75.0153	545.9	13.3	12.4	8.4	4	533.50
171	Ahmednagar	PATHARDI	Manik Daundi.	19.0861	75.1583	783.6	5.2	5.2	1	4.2	778.40
172	Ahmednagar	PATHARDI	Malibabhulgaon	19.1917	75.1556	530.9	11.9	10	4.8	5.2	520.90
173	Ahmednagar	PATHARDI	Pimpalgaon Tappa.	19.0653	75.2903	613	15.75	15.75	10.4	5.35	597.25
174	Ahmednagar	PATHARDI	Karanji	19.1319	74.9931	597.1	13.2	11.7	3.9	7.8	585.40
175	Ahmednagar	PATHARDI	Karodi	19.1056	75.2611	602.4	13	13	1.9	11.1	589.40
176	Ahmednagar	PATHARDI	Prabhupimpri	19.2375	75.2208	508	19.6	17.5	4.5	13	490.50
177	Ahmednagar	Rahata	Ekrukhe	19.7076	74.5374	504.1	15.45	14.73	14.5	0.23	489.37
178	Ahmednagar	Rahata	Puntambe	19.7655	74.622	499.6	10.70	9.25	9	0.25	490.35

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179	Ahmednagar	Rahata	LoniBudrukh	19.5776	74.4621	542.6	5.90	5.15	4.7	0.45	537.45
180	Ahmednagar	Rahata	Morewadi	19.6539	74.5206	528.7	12.25	12.05	11	1.05	516.65
181	Ahmednagar	Rahata	Pimpalwadi	19.761	74.5223	503		17.70	16.4	1.3	485.30
182	Ahmednagar	Rahata	Kolhar Budruke	19.6173	74.5299	536.5	13.40	12.60	11.2	1.4	523.90
183	Ahmednagar	Rahata	Lonikuurd	19.5889	74.6468	511.3		6.75	5.2	1.55	504.55
184	Ahmednagar	Rahata	Shirdi	19.7654	74.4785	516.1		10.65	9	1.65	505.45
185	Ahmednagar	Rahata	Pimplas	19.7073	74.4668	520.9	11.10	10.73	9	1.73	510.17
186	Ahmednagar	Rahata	Pimri Nirmal	19.6398	74.4898	539.8	13.35	12.18	10.45	1.73	527.62
187	Ahmednagar	Rahata	DadhBudrukh	19.5262	74.4216	527.5	14.90	12.00	10	2	515.50
188	Ahmednagar	Rahata	Donle Kanhale	19.7223	74.42	548.8	17.40	15.00	12.85	2.15	533.80
189	Ahmednagar	Rahata	Asagaon	19.948	74.4864	524.4		11.23	8.7	2.53	513.17
190	Ahmednagar	Rahata	Rampur	19.7178	74.585	506.7	9.85	11.23	8.1	3.13	495.47
191	Ahmednagar	Rahata	Gogalgaon	19.732	74.6414	495.7		12.18	8.99	3.19	483.52
192	Ahmednagar	Rahata	Korhale(Kelvad BK)	19.6901	74.4821	527.8		12.00	8.4	3.6	515.80
193	Ahmednagar	Rahata	Wakadi	19.6668	74.5834	517.3	18.00	17.9	13.47	4.43	499.40
194	Ahmednagar	Rahata	Tisgaon	19.5736	74.5293	529.1	12.05	15.51	11.05	4.46	513.59
195	Ahmednagar	Rahata	mammadpur	19.6104	74.5563	529.6	11.30	10.62	5.1	5.52	518.98
196	Ahmednagar	Rahata	Babheshwar	19.5084	74.5978	519.3		13.50	7.2	6.3	505.80
197	Ahmednagar	Rahata	Pathar	19.5192	74.484	517.4	13.85	18.27	7.59	10.68	499.13
198	Ahmednagar	RAHURI	Tambhere	19.475	74.5278	542.4	9.1	7.8	5.2	2.6	534.60
199	Ahmednagar	RAHURI	Varvandi	19.3139	74.6333	554.1	10	6.3	2.5	3.8	547.80
200	Ahmednagar	RAHURI	Varshinde	19.4236	74.475	682.3	7.3	6.4	2.4	4	675.90
201	Ahmednagar	RAHURI	Vambori	19.2903	74.7319	559.1	9.1	9.1	5	4.1	550.00
202	Ahmednagar	RAHURI	Digras	19.3583	74.6361	520.6	10.6	8.3	4	4.3	512.30
203	Ahmednagar	RAHURI	Taharabad	19.4139	74.6917	504.9	15	6.1	1.6	4.5	498.80
204	Ahmednagar	RAHURI	Baragaon Nandur	19.3569	74.6097	514.6	21	18.3	13.7	4.6	496.30
205	Ahmednagar	RAHURI	Kolhar kh	19.5319	74.5389	515.8	9.7	9.6	3.8	5.8	506.20
206	Ahmednagar	RAHURI	Deolali Pravara	19.475	74.6231	515.8	12.6	9.1	3.2	5.9	506.70
207	Ahmednagar	RAHURI	Kendal kh	19.4681	74.7333	501.7	18	17.4	11.25	6.15	484.30
208	Ahmednagar	RAHURI	Sade	19.3444	74.6778	524.4	9.8	9.8	3.5	6.3	514.60
209	Ahmednagar	RAHURI	Kangar Bk.	19.4222	74.5514	586.9	10.3	8	0.6	7.4	578.90
210	Ahmednagar	RAHURI	Umbre	19.3667	74.7583	521.9	16.5	12.2	4	8.2	509.70
211	Ahmednagar	RAHURI	Rahuri Bk.	19.3853	74.6564	501.9	15.9	13.9	5.21	8.69	488.00
212	Ahmednagar	Sangamner	AKLAPUR	19.2774	74.2056	644.6	7.40	7	5.90	1.1	637.60
213	Ahmednagar	Sangamner	PIMPALGAON DEPA	19.4338	74.2322	755.7	4.00	4	3.7	0.3	751.70
214	Ahmednagar	Sangamner	WARUDI PATHAR	19.4172	74.1847	815.8	5.00	4	3.6	0.4	811.80

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215	Ahmednagar	Sangamner	NIMON	19.7093	74.1950	642.2	6.00	4.96	4.55	0.41	637.24
216	Ahmednagar	Sangamner	JORWE	19.5436	74.2797	542.8	10.00	6.5	6	0.5	536.30
217	Ahmednagar	Sangamner	MODALWADI	19.4508	74.2319	758.7	8.30	7.5	7	0.5	751.20
218	Ahmednagar	Sangamner	NIMGAON JALI	19.5669	74.3845	559.9	8.60	9.1	8.5	0.6	550.80
219	Ahmednagar	Sangamner	SAVARCHOL	19.4728	74.0425	746.6	5.10	3.65	3	0.65	742.95
220	Ahmednagar	Sangamner	DEREWADI	19.5383	74.1439	556.6	8.50	7.9	7.1	0.8	548.70
221	Ahmednagar	Sangamner	SADATPUR	19.5739	74.4244	549.7	10.85	10	9.2	0.8	539.70
222	Ahmednagar	Sangamner	KASARE	19.6592	74.3725	570	13.80	12.5	11.6	0.9	557.50
223	Ahmednagar	Sangamner	MALUNJE	19.4847	74.3219	582.2	9.00	6.72	5.4	1.32	575.48
224	Ahmednagar	Sangamner	DEOGAON	19.5306	74.2297	567.1	15.10	13	11.4	1.6	554.10
225	Ahmednagar	Sangamner	KAUTHE KAMALESHWAR	19.6417	74.3244	611.3	11.00	9.2	7.6	1.6	602.10
226	Ahmednagar	Sangamner	Rajapur	19.5757	74.1769	569.4	23.00	17.2	15.6	1.6	552.20
227	Ahmednagar	Sangamner	BELHALE	19.6617	74.1500	682.4	12.00	10.4	8.7	1.7	672.00
228	Ahmednagar	Sangamner	CHANDNAPUR-NHNS	19.4934	74.1951	614	23.40	22	20.1	1.9	592.00
229	Ahmednagar	Sangamner	MIRPUR LOHARE	19.6325	74.3928	574.9	22.20	20.6	18.6	2	554.30
230	Ahmednagar	Sangamner	PANODI	19.4755	74.3645	576.3	7.10	6	3.9	2.1	570.30
231	Ahmednagar	Sangamner	SANGAMNER-NHS	19.5756	74.2083	560.7	13.50	11.7	9.5	2.2	549.00
232	Ahmednagar	Sangamner	NANNAJ	19.6932	74.2537	618.4	8.00	6.9	4.7	2.2	611.50
233	Ahmednagar	Sangamner	Sugar factory	19.6073	74.1863	587.4	7.00	6	3.6	2.4	581.40
234	Ahmednagar	Sangamner	KAUTHE MALKAPUR	19.3917	74.3486	644	6.00	4.23	1.6	2.63	639.77
235	Ahmednagar	Sangamner	NIMGAON BK.	19.4883	74.0864	613.7	21.00	16.55	13.8	2.75	597.15
236	Ahmednagar	Sangamner	SHIRAPUR	19.4797	74.2364	659.3	16.00	13.9	10.7	3.2	645.40
237	Ahmednagar	Sangamner	WAGHJHARI KH.	19.6819	74.3300	599	13.70	12.1	8.7	3.4	586.90
238	Ahmednagar	Sangamner	JEVERE	19.4264	74.1128	877.7	7.00	5.5	2	3.5	872.20
239	Ahmednagar	Sangamner	MALEGAON	19.3636	74.1725	743.7	7.30	5.65	2	3.65	738.05
240	Ahmednagar	Sangamner	SAYKHINDI VILLAGE	19.6367	74.1511	623.5	16.00	14.7	11	3.7	608.80
241	Ahmednagar	Sangamner	NIMGAON BHOJAPUR	19.6222	74.1353	604.7	28.10	25	21.2	3.8	579.70
242	Ahmednagar	Sangamner	SAKUR	19.3466	74.3008	601	34.00	30.55	26.7	3.85	570.45
243	Ahmednagar	Sangamner	CHINCHPUR KH.	19.5550	74.4127	544.2	12.00	10.9	6.8	4.1	533.30
244	Ahmednagar	Sangamner	MANGALAPUR	19.5569	74.1719	560.4	11.50	9.85	5.7	4.15	550.55
245	Ahmednagar	Sangamner	CHOUDHARWADI	19.4440	74.3808	735.1	9.00	7.55	3.4	4.15	727.55
246	Ahmednagar	Sangamner	SAMNAPUR	19.5872	74.2492	565.4	12.30	10.8	6.6	4.2	554.60
247	Ahmednagar	Sangamner	BOTA	19.2550	74.1482	657.3	11.30	9.8	5.4	4.4	647.50
248	Ahmednagar	Sangamner	CHANEGAON	19.5197	74.4333	528.6	18.00	16.2	11.78	4.42	512.40
249	Ahmednagar	Sangamner	WADGAON LANDGA	19.5680	74.0977	609	13.60	13	8.55	4.45	596.00
250	Ahmednagar	Sangamner	CHINCHOLIGURAV	19.7417	74.2790	579.3	15.00	12.5	7.99	4.51	566.80

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251	Ahmednagar	Sangamner	POKHARI BALESWAR	19.4409	74.1649	882.5	9.00	7.3	2.6	4.7	875.20
252	Ahmednagar	Sangamner	MAMEKHELWADI	19.4225	74.0928	807.4	11.30	8.5	3.56	4.94	798.90
253	Ahmednagar	Sangamner	TANGADI	19.3469	74.1522	621.8	10.50	10	5	5	611.80
254	Ahmednagar	Sangamner	MALWADI	19.5275	74.1020	568	12.00	10.2	4.9	5.3	557.80
255	Ahmednagar	Sangamner	AMBIKHALSA	19.7668	74.2908	565.7	16.00	13.2	7.7	5.5	552.50
256	Ahmednagar	Sangamner	KOKANGAON	19.5869	74.3154	577.3	12.00	10	4.5	5.5	567.30
257	Ahmednagar	Sangamner	PRATAPPUR	19.5230	74.3871	527.9	13.50	12.6	6.5	6.1	515.30
258	Ahmednagar	Sangamner	TALEGAON	19.6960	74.2982	602.5	21.00	18.7	12.6	6.1	583.80
259	Ahmednagar	Sangamner	SANGAMNER-COURT	19.5675	74.2044	555	18.00	16	9.6	6.4	539.00
260	Ahmednagar	Sangamner	UMBARI	19.5286	74.3483	538.3	20.00	17.9	11.35	6.55	520.40
261	Ahmednagar	Sangamner	PAREGAON BZ.	19.7061	74.2514	622.7	16.30	14.1	7.2	6.9	608.60
262	Ahmednagar	Sangamner	OJHAR	19.5407	74.3261	538.9	11.50	9.6	2.3	7.3	529.30
263	Ahmednagar	Sangamner	NANDUR KHANDARMAL	19.3264	74.2378	723.1	11.50	9.5	2	7.5	713.60
264	Ahmednagar	Sangamner	WARWANDI	19.4203	74.3761	655	16.00	12.85	5	7.85	642.15
265	Ahmednagar	Sangamner	MAHASWANDI	19.2544	74.0778	765	15.00	10.8	2.9	7.9	754.20
266	Ahmednagar	Sangamner	KARHA	19.6839	74.1675	675	16.00	13.2	5	8.2	661.80
267	Ahmednagar	Sangamner	SAROLE PATHAR	19.3958	74.1772	807.7	18.60	17	8	9	790.70
268	Ahmednagar	Sangamner	KAUTHE KH.	19.3620	74.1243	633.3	16.00	14.7	4.5	10.2	618.60
269	Ahmednagar	Sangamner	HANKEWADI	19.5050	74.3147	550.7	21.00	19.2	4	15.2	531.50
270	Ahmednagar	SHEVGAON	Hatgaon.	19.3606	75.4606	454.4	9	6.8	5	1.8	447.60
271	Ahmednagar	SHEVGAON	Erandgaon	19.425	75.2875	468	10.5	10.5	8	2.5	457.50
272	Ahmednagar	SHEVGAON	Kolgaon	19.3125	75.3319	497.6	15.15	9.5	6	3.5	488.10
273	Ahmednagar	SHEVGAON	Gaikwad Jalgaon	19.3083	75.5389	452.3	11.3	11.3	7.6	3.7	441.00
274	Ahmednagar	SHEVGAON	Amarapur	19.2819	75.1819	496.9	10.2	7.8	3.5	4.3	489.10
275	Ahmednagar	SHEVGAON	Sonvahir	19.3514	75.4236	459.2	9	7.8	3	4.8	451.40
276	Ahmednagar	SHEVGAON	Hingangaon Ne.	19.4083	75.1972	460.1	10.9	9.8	5	4.8	450.30
277	Ahmednagar	SHEVGAON	Karjat Kh.	19.4428	75.2225	460	10.4	8.4	3.5	4.9	451.60
278	Ahmednagar	SHEVGAON	Antarawali Bk.	19.2958	75.3708	493.9	7.5	7.5	2.3	5.2	486.40
279	Ahmednagar	SHEVGAON	Ghotan	19.4014	75.2917	477.6	11.3	7.4	1.2	6.2	470.20
280	Ahmednagar	SHEVGAON	Khanapur	19.4931	75.2611	460	12	9.1	2.6	6.5	450.90
281	Ahmednagar	SHEVGAON	Bodhegaon.	19.3125	75.4472	469.3	9.3	9.1	2	7.1	460.20
282	Ahmednagar	SHEVGAON	Antre	19.4286	75.2083	460.3	11.2	11.2	3.8	7.4	449.10
283	Ahmednagar	SHEVGAON	Chapadgaon	19.3528	75.3722	468.8	11	9.8	1.5	8.3	459.00
284	Ahmednagar	SHEVGAON	Tajnapur	19.4194	75.2139	466.3	18.1	13	3.5	9.5	453.30
285	Ahmednagar	SHEVGAON	Balam Takali	19.3	75.475	476	17.5	17.5	7.9	9.6	458.50
286	Ahmednagar	SHEVGAON	Shevgaon	19.3564	75.2272	486.9	15.4	15.4	3.8	11.6	471.50

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287	Ahmednagar	SHRIGONDA	Bori.	18.6528	74.4958	535.7	5.3	5.1	0.7	4.4	530.60
288	Ahmednagar	SHRIGONDA	Pedgaon	18.5097	74.7014	512.7	6.7	6.4	1.5	4.9	506.30
289	Ahmednagar	SHRIGONDA	Deodaitan.	18.8222	74.4472	577	7.4	7.4	1.9	5.5	569.60
290	Ahmednagar	SHRIGONDA	Chimbhale.	18.6561	74.5542	554	11.8	11.8	6	5.8	542.20
291	Ahmednagar	SHRIGONDA	Ukkadgaon.	18.7514	74.5264	601.4	10.35	9.5	3.6	5.9	591.90
292	Ahmednagar	SHRIGONDA	Mhase.	18.7319	74.4986	571.6	11.9	8.8	2.45	6.35	562.80
293	Ahmednagar	SHRIGONDA	Banpimpri.	18.8297	74.8847	596.7	11.45	9	2.5	6.5	587.70
294	Ahmednagar	SHRIGONDA	Shedgaon.	18.5444	74.7208	522.4	9.05	7.8	1.3	6.5	514.60
295	Ahmednagar	SHRIGONDA	Pimpalgaon pisa	18.7936	74.5978	594.2	10.85	9.7	3.1	6.6	584.50
296	Ahmednagar	SHRIGONDA	Adhalgaon.	18.6375	74.7639	568.3	13.1	9.3	2.6	6.7	559.00
297	Ahmednagar	SHRIGONDA	Nimgaon khalu.	18.4833	74.5778	513.6	13.6	12.9	6	6.9	500.70
298	Ahmednagar	SHRIGONDA	Kolgaon.	18.7944	74.6681	622.2	15.1	12	4.5	7.5	610.20
299	Ahmednagar	SHRIGONDA	Koregavhan.	18.8333	74.5569	611.5	11.8	10.1	2.2	7.9	601.40
300	Ahmednagar	SHRIGONDA	Wadali	18.6917	74.6903	601.2	13.2	10.5	2.55	7.95	590.70
301	Ahmednagar	SHRIGONDA	Madhewadgaon.	18.6139	74.6181	543.1	13.3	12.7	4.7	8	530.40
302	Ahmednagar	SHRIGONDA	Mandavgan.	18.8306	74.8303	626.1	17.5	14	5.8	8.2	612.10
303	Ahmednagar	SHRIGONDA	Kashti.	18.5472	74.6	522.6	13.6	13.2	2.7	10.5	509.40
304	Ahmednagar	SHRIGONDA	Shrigonda	18.6167	74.7	557	16.25	15.1	3.2	11.9	541.90
305	Ahmednagar	Shrirampur	Vadalmahadev	19.6193	74.7103	512.7	10.75	8.50	2.5	6	504.20
306	Ahmednagar	Shrirampur	Galimb	19.5442	74.5863	511.5	19.50	19.40	19.2	0.2	492.10
307	Ahmednagar	Shrirampur	Narsali	19.5213	74.6397	509.6	15.00	15.00	14.8	0.2	494.60
308	Ahmednagar	Shrirampur	Umargaon	19.5599	74.6707	503	7.20	13.90	13.68	0.22	489.10
309	Ahmednagar	Shrirampur	Belapur(Aynatpur)	19.5751	74.6493	509.8	14.00	9.00	8.75	0.25	500.80
310	Ahmednagar	Shrirampur	Gumandev	19.6406	74.8024	478.7	9.80	9	8.54	0.46	469.70
311	Ahmednagar	Shrirampur	Valedgaon	19.5609	74.6646	506.5	19.70	19.00	18.3	0.7	487.50
312	Ahmednagar	Shrirampur	Takali Bhan	19.6072	74.7978	492.8	11.50	11.00	10.3	0.7	481.80
313	Ahmednagar	Shrirampur	Malwadi	19.7063	74.7229	493.3	16.70	16.70	15.7	1	476.60
314	Ahmednagar	Shrirampur	Padhegaon	19.5369	74.6919	513		11.35	10.25	1.1	501.65
315	Ahmednagar	Shrirampur	Gondagon	19.7314	74.6412	494.5	15.50	13.90	12.7	1.2	480.60
316	Ahmednagar	Shrirampur	Dighi	19.6512	74.6371	526.3	8.30	7.50	6	1.5	518.80
317	Ahmednagar	Shrirampur	Jafrabad	19.7517	74.695	480	8.90	8.00	6.4	1.6	472.00
318	Ahmednagar	Shrirampur	khanpur	19.7081	74.7904	476.1	21.30	17.80	15.65	2.15	458.30
319	Ahmednagar	Shrirampur	Gujarvadi	19.5633	74.7937	500.2	14.40	7.04	4.8	2.24	493.16
320	Ahmednagar	Shrirampur	Fatiabad	19.5433	74.5684	514.2	21.60	18.00	15.55	2.45	496.20
321	Ahmednagar	Shrirampur	Bherdapur	19.5395	74.757	497.9	15.00	13.60	11	2.6	484.30
322	Ahmednagar	Shrirampur	Brahmangaon	19.6592	74.6918	502.3	11.80	11.60	9	2.6	490.70

SN	District	Taluka	Village	Y	X	Elevation	Depth	Premonsoon WL	Postmonsoon WL	Fluctuation	RL premonsoon
323	Ahmednagar	Shrirampur	patalwadi	19.5795	74.6022	517.3	22.80	19.00	16.3	2.7	498.30
324	Ahmednagar	Shrirampur	khandla	19.6255	74.5958	529.6	11.40	10.00	7.2	2.8	519.60
325	Ahmednagar	Shrirampur	Malvadgaon	19.6198	74.7158	507.3	18.40	14.7	11.8	2.9	492.60
326	Ahmednagar	Shrirampur	Gondivani	19.645	74.6541	529.2	15.20	11.00	8.1	2.9	518.20
327	Ahmednagar	Shrirampur	Khokar	19.6056	74.7414	497.4	9.40	7.55	4	3.55	489.85
328	Ahmednagar	Shrirampur	Nimgaonkhari	19.6819	74.6578	505.6	13.00	11.35	7.8	3.55	494.25
329	Ahmednagar	Shrirampur	Maliunje Budruk	19.5141	74.7252	497.2	21.30	20.02	16.3	3.72	477.18
330	Ahmednagar	Shrirampur	Bhokar	19.6157	74.7514	498.3	12.30	9.03	4.9	4.13	489.27
331	Ahmednagar	Shrirampur	Malavadgaon	19.6653	74.7555	487.7	18.40	14.27	10	4.27	473.43
332	Ahmednagar	Shrirampur	karegaon	19.5593	74.7512	505.1	12.80	8.20	2.8	5.4	496.90
333	Ahmednagar	Shrirampur	Matapur	19.5667	74.7144	509.3	15.20	14.20	7.8	6.4	495.10
334	Ahmednagar	Shrirampur	Naur	19.7628	74.7069	478.6	15.90	16.35	9.9	6.45	462.25

**Annexure-III : Details of micro-level wells, Ahmednagar district**

S no.	Taluka	Village	Type of well	Toposheet no.	Latitude	Longitude	Altitude (m amsl )	Depth (mbgl)	Aquifer	Q (lps)	Fractured thickness (m)
1	AKOLE	Kalas Bk.	DW	4712	19.5155	74.082	581.6	27	Basalt	2	18
2	KOPARGAON	Anjanapur	DW	4715	19.7642	74.3349	550	15	Basalt	0.5	11.25
3	KOPARGAON	Apegaon	DW	4719	19.9197	74.6223	518	14	Basalt	0.5	10.5
4	KOPARGAON	Bahadarbad	DW	4715	19.7948	74.369	527.3	12	Basalt	0.5	9
5	KOPARGAON	Bahadarpur	DW	4715	19.7851	74.3366	542.6	19	Basalt	0.5	14.25
6	KOPARGAON	Bhojade	DW	4719	19.8678	74.5664	509.4	12	Basalt	0.75	9
7	KOPARGAON	Bramhangaon	DW	4715	19.965	74.4503	522.3	11	Basalt	1	8.25
8	KOPARGAON	Bramhangaon	DW	4715	19.96	74.4252	520.5	16	Basalt	2	12
9	KOPARGAON	Chande Kasare	DW	4715	19.8317	74.4295	508	13	Basalt	0.5	9.75
10	KOPARGAON	Dahigaon Bolka	DW	4719	19.8841	74.5748	508.5	16	Basalt	1	12
11	KOPARGAON	Dahigaon Bolka	DW	4719	19.9079	74.5763	519.1	18	Basalt	0.5	13.5
12	KOPARGAON	Dauch Bk.	DW	4715	19.8602	74.4311	504.5	14	Basalt	0.75	10.5
13	KOPARGAON	Dauch Kh.	DW	4715	19.8579	74.4504	500.5	15	Basalt	1	11.25
14	KOPARGAON	Dharangaon	DW	4715	19.914	74.4299	506.4	16	Basalt	2.5	12
15	KOPARGAON	Dhotre	DW	4719	19.8656	74.6305	506.2	17	Basalt	0.75	12.75
16	KOPARGAON	Ghoyegaon	DW	4719	19.8946	74.6153	515.3	12	Basalt	2	9
17	KOPARGAON	Jeur Kumbhari	DW	4715	19.8445	74.4633	511.4	16	Basalt	0.75	12
18	KOPARGAON	Jeur Kumbhari	DW	4715	19.8704	74.4692	499.6	20	Basalt	0.75	15
19	KOPARGAON	Kakadi	DW	4716	19.6997	74.3887	568.6	16	Basalt	0.75	12
20	KOPARGAON	Kanhegaon	DW	4719	19.8357	74.5663	502.3	14	Basalt	0.75	10.5
21	KOPARGAON	Karanji Bk.	DW	4719	19.9466	74.5244	520.1	14	Basalt	2	10.5
22	KOPARGAON	Kasali	DW	4719	19.9273	74.5831	524	14	Basalt	0.5	10.5
23	KOPARGAON	Khopadi	DW	4719	19.8425	74.6525	500	17	Basalt	0.5	12.75
24	KOPARGAON	Kokamthan	DW	4715	19.821	74.4795	508.8	14	Basalt	1	10.5
25	KOPARGAON	Kolgaon Thadi	DW	4715	19.9225	74.3726	507.9	15	Basalt	0.5	11.25
26	KOPARGAON	Kopargaon	DW	4715	19.9188	74.4769	511.2	13	Basalt	0.75	9.75
27	KOPARGAON	Kopargaon	DW	4715	19.8768	74.4888	498.2	14	Basalt	1	10.5
28	KOPARGAON	Kumbhari	DW	4715	19.905	74.404	507.2	13	Basalt	0.75	9.75

S no.	Taluka	Village	Type of well	Toposheet no.	Latitude	Longitude	Altitude (m amsl )	Depth (mbgl)	Aquifer	Q (lps)	Fractured thickness (m)
29	KOPARGAON	Louki	DW	4719	19.8843	74.5993	509.5	13	Basalt	0.5	9.75
30	KOPARGAON	Madhi Bk	DW	4715	19.8596	74.3772	520.7	13	Basalt	0.5	9.75
31	KOPARGAON	Mahegaon Deshmukh	DW	4715	19.8889	74.3809	511.4	8	Basalt	0.5	6
32	KOPARGAON	Mahegaon Deshmukh	DW	4715	19.8917	74.3754	512.1	14	Basalt	2	10.5
33	KOPARGAON	Malegaon Thadi	DW	4715	19.9543	74.4033	517	17	Basalt	1	12.75
34	KOPARGAON	Malharwadi	DW	4716	19.7182	74.3795	562.5	12	Basalt	0.5	9
35	KOPARGAON	Manegaon	DW	4716	19.7161	74.3533	574.6	17	Basalt	0.5	12.75
36	KOPARGAON	Manjur	DW	4715	19.9231	74.3173	511.1	10	Basalt	1	7.5
37	KOPARGAON	Manjur	DW	4715	19.9432	74.3033	507.1	15	Basalt	2	11.25
38	KOPARGAON	Morvis	DW	4715	19.9557	74.3146	506.5	15	Basalt	0.75	11.25
39	KOPARGAON	Murshatpur	DW	4715	19.8892	74.4408	503	13	Basalt	1	9.75
40	KOPARGAON	Nategaon	DW	4715	19.9845	74.4769	531.1	18	Basalt	1	13.5
41	KOPARGAON	Ogadi	DW	4719	19.9642	74.5213	524.5	14	Basalt	1	10.5
42	KOPARGAON	Padhegaon	DW	4719	19.9258	74.5489	520.3	10	Basalt	1	7.5
43	KOPARGAON	Pohegaon Bk.	DW	4715	19.8184	74.3947	518.5	10	Basalt	0.5	7.5
44	KOPARGAON	Pohegaon Kh.	DW	4715	19.7977	74.4217	524.8	11	Basalt	0.75	8.25
45	KOPARGAON	Ranjangaon Deshmu	DW	4716	19.7394	74.3405	568.5	14	Basalt	0.5	10.5
46	KOPARGAON	Rawande	DW	4715	19.9657	74.4038	521.1	9	Basalt	0.5	6.75
47	KOPARGAON	Samvatsar	DW	4719	19.8709	74.5339	500.1	15	Basalt	0.5	11.25
48	KOPARGAON	Sangvi Bhusar	DW	4715	19.9649	74.3561	517.2	10	Basalt	1	7.5
49	KOPARGAON	Shinganapur	DW	4719	19.9021	74.511	500.5	15	Basalt	0.5	11.25
50	KOPARGAON	Shirasgaon	DW	4719	19.9328	74.606	523.5	14	Basalt	0.75	10.5
51	KOPARGAON	Suregaon	DW	4715	19.8966	74.3379	529	11	Basalt	1	8.25
52	KOPARGAON	Takali	DW	4715	19.928	74.452	512.5	12	Basalt	0.75	9
53	KOPARGAON	Ukkadgaon	DW	4719	19.9358	74.6578	535.3	12	Basalt	0.5	9
54	KOPARGAON	Vadgaon	DW	4715	19.9571	74.2657	519.5	18	Basalt	0.75	13.5
55	KOPARGAON	Ves	DW	4715	19.7774	74.4076	540.4	18	Basalt	0.5	13.5
56	KOPARGAON	Yesgaon	DW	4715	19.9461	74.4875	522.3	10	Basalt	2	7.5
57	NAGAR	Ambilwadi	BW	47J13	18.8756	74.8431	623.4	33	Basalt	0	3



S no.	Taluka	Village	Type of well	Toposheet no.	Latitude	Longitude	Altitude (m amsl )	Depth (mbgl)	Aquifer	Q (lps)	Fractured thickness (m)
58	NAGAR	Arangaon	BW	47112	19.025	74.7181	664.3	33		0	3
59	NAGAR	Bolhegaon	DW	47112	19.125	74.7111	653.7	10.8	Basalt	0	5
60	NAGAR	Burudgaon	DW	47112	19.0542	74.7389	639.6	15.4	Basalt	0	5
61	NAGAR	Chichondi Patil	DW	47116	19.0014	74.9167	698.3	17		0	5
62	NAGAR	Dahigaon	BW	47J13	18.9639	74.8083	620	30		0	5
63	NAGAR	Dehere	DW	47112	19.2333	74.6667	576	12.5		0	5
64	NAGAR	Deulgaon Siddhi	DW	47J9	18.9097	74.7486	650.1	12.4	Basalt	0	5
65	NAGAR	Gundegaon	DW	47J13	18.8361	74.7583	664.4	8.1	Basalt	0	5
66	NAGAR	Jakhangaon	DW	47112	19.1086	74.6306	677.5	18.5	Basalt	0	5
67	NAGAR	Jeur	DW	47116	19.2097	74.8125	704.9	12.85	Basalt	0	5
68	NAGAR	Kamargaon	DW	47J9	18.9972	74.5931	742.6	13.9	Basalt	0	5
69	NAGAR	Khosपुर	DW	47115	19.2714	74.8519	587.2	10		0	3
70	NAGAR	Mandave	BW	47J13	18.9889	74.8458	643.7	30	Basalt	0	5
71	NAGAR	Mathpimpri	DW	47J13	18.8917	74.8722	596.9	17.85	Basalt	0	5
72	NAGAR	Mehekari	DW	47116	19.0986	74.8722	752.1	11.9	Basalt	0	5
73	NAGAR	Nandgaon	BW	47111	19.2833	74.6642	546.2	32	Basalt	0	5
74	NAGAR	Nepti	DW	47112	19.0875	74.6764	667	13.2	Basalt	0	5
75	NAGAR	Pargaon Bhatodi	DW	47116	19.0653	74.9014	729.4	8.4	Basalt	0	5
76	NAGAR	Pargaon Maula	DW	47J13	18.9889	74.7861	626	9.5	Basalt	0	3
77	NAGAR	Rui Chhattishi	DW	47J13	18.9056	74.8444	603.7	12.4	Basalt	0	5
78	NAGAR	Shiradhon	DW	47J13	18.9819	74.8014	623.1	13.05	Basalt	0	5
79	NAGAR	Takali Kazi	DW	47116	19.0333	74.8333	665.1	13.11		0	3
80	NAGAR	Takali Kazi	DW	47116	19.0403	74.8403	678.7	13.4	Basalt	0	3
81	NAGAR	Wakodi	DW	47116	19.0458	74.7556	637.6	19.6	Basalt	0	5
82	NAGAR	Walki	DW	47J13	18.9639	74.7528	639.1	11.25	Basalt	0	5
83	NEVASA	Babhulwedhe	DW	47115	19.4731	74.9319	496	11	Basalt	0	6
84	NEVASA	Belpimpalgaon	BW	47114	19.6078	74.85	489	30	Basalt	0	6
85	NEVASA	Chilekhanwadi	DW	47M3	19.4181	75.0875	496.3	13.5		0	3
86	NEVASA	Galnimb	DW	47M2	19.5897	75.0765	471.3	27	Basalt	0	8

S no.	Taluka	Village	Type of well	Toposheet no.	Latitude	Longitude	Altitude (m amsl )	Depth (mbgl)	Aquifer	Q (lps)	Fractured thickness (m)
87	NEVASA	Galnimb	DW	47M2	19.5861	75.0958	473.3	10	Basalt	0	8
88	NEVASA	Georai	DW	47M2	19.525	75.0861	497.6	9	Basalt	0	5
89	NEVASA	Ghodegaon	DW	47I15	19.3472	74.8833	531.2	11.85	Basalt	0	3
90	NEVASA	Ghogargaon	DW	47I14	19.6436	74.8459	471.5	28	Basalt	0	8
91	NEVASA	Ghogargaon	DW	47I14	19.6319	74.8319	477.8	26	Basalt	0	8
92	NEVASA	Gonegaon	DW	47I14	19.5086	74.8583	482	15.1	Basalt	0	6
93	NEVASA	Jainpur	DW	47I14	19.6361	74.8792	469.3	13.4	Basalt	0	8
94	NEVASA	Jalke Kh.	DW	47M2	19.5528	75.0194	489.2	14.8	Basalt	0	6
95	NEVASA	Karegaon	BW	47I15	19.4333	74.9667	526.8	30	Basalt	0	2
96	NEVASA	Khamgaon	DW	47M2	19.5639	75.1543	471.4	28	Basalt	0	8
97	NEVASA	Khunegaon	DW	47I15	19.4875	74.9917	515.1	7.8	Basalt	0	6
98	NEVASA	Nevasa Bk.	EW	47I14	19.5583	74.9167	477	21.6	Alluvium	0	8
99	NEVASA	Nevasa Kh.(Rural)	DW	47I14	19.5528	74.925	479.7	13.4	Basalt	0	8
100	NEVASA	Nevasa Kh.(Rural)	DW	47I14	19.5528	74.925	479.7	19	Basalt	0	8
101	NEVASA	Ramdoh	DW	47M2	19.5734	75.1531	473.6	29	Basalt	0	8
102	NEVASA	Shirasgaon	DW	47M2	19.55	75.1125	485	30		0	6
103	NEVASA	Sonai	DW	47I15	19.3958	74.8208	516.7	10.57		0	6
104	NEVASA	Wadula Bahiroba	DW	47I15	19.4333	74.9	502.9	10.63		0	6
105	NEVASA	Warkhed	DW	47M2	19.5664	75.1343	480.8	27	Basalt	0	8
106	RAHATA	Adgaon Kh.	DW	47I6	19.6517	74.427	546.5	13	Basalt	0.5	9.75
107	RAHATA	Babhaleshwar Bk.	DW	47I10	19.5994	74.5065	541.2	12	Basalt	0.5	9
108	RAHATA	Babhaleshwar Kh.	DW	47I10	19.6041	74.5253	543.3	14	Basalt	0.5	10.5
109	RAHATA	Bhagwatipur	DW	47I10	19.5504	74.5127	518.1	13	Basalt	2	9.75
110	RAHATA	Chandrapur	DW	47I6	19.564	74.4354	538.1	9	Basalt	0.5	6.75
111	RAHATA	Chitali	DW	47I10	19.7017	74.5718	505.1	15	Basalt	1	11.25
112	RAHATA	Dadh Bk.	DW	47I6	19.5254	74.423	527.3	12	Basalt	1	9
113	RAHATA	Dadh Bk.	DW	47I6	19.5239	74.3936	530.2	15	Basalt	2	11.25
114	RAHATA	Dorhale	DW	47I5	19.7614	74.4334	526.7	17	Basalt	0.5	12.75
115	RAHATA	Ekrukhe	DW	47I10	19.7105	74.5215	507.9	20	Basalt	1	15

S no.	Taluka	Village	Type of well	Toposheet no.	Latitude	Longitude	Altitude (m amsl )	Depth (mbgl)	Aquifer	Q (lps)	Fractured thickness (m)
116	RAHATA	Ekrukhe	DW	47110	19.7195	74.5417	503.1	22	Basalt	0.5	16
117	RAHATA	Elamwadi	DW	47110	19.6968	74.6045	519.2	8	Basalt	0.5	6
118	RAHATA	Gogalgaon	DW	4716	19.6077	74.4377	556.6	13	Basalt	0.5	9.75
119	RAHATA	Hanmantagaon	DW	4716	19.5283	74.4597	526.3	15	Basalt	1	11.25
120	RAHATA	Hanmantagaon	DW	4716	19.5414	74.4476	525.4	15	Basalt	1	11.25
121	RAHATA	Kelwad Kh.	DW	4716	19.6909	74.4303	541.6	13	Basalt	0.75	9.75
122	RAHATA	Khadakewake	DW	4716	19.6646	74.4517	540.1	13	Basalt	0.5	9.75
123	RAHATA	Kolhar Bk.	DW	47110	19.5787	74.5582	519.7	29	Basalt	1	18
124	RAHATA	Korhale	DW	4716	19.725	74.4171	542.5	10	Basalt	0.75	7.5
125	RAHATA	Lohgaon	DW	47110	19.5897	74.5144	530.9	27	Basalt	0.75	18
126	RAHATA	Loni Kh.	DW	4716	19.6167	74.4644	561.3	11	Basalt	1	8.25
127	RAHATA	Loni Kh.	DW	4716	19.5827	74.47	542.2	14	Basalt	1	10.5
128	RAHATA	Mamadapurwadi	DW	47110	19.6125	74.5543	531.2	11	Basalt	0.75	8.25
129	RAHATA	Nandur Bk.	DW	47110	19.6191	74.5845	527.2	13	Basalt	0.75	9.75
130	RAHATA	Nandur Bk.	DW	47110	19.5992	74.5865	518.9	13	Basalt	1	9.75
131	RAHATA	Nandur Kh.	DW	47110	19.5907	74.5712	522.1	14	Basalt	0.75	10.5
132	RAHATA	Nandurkhi Kh.	DW	4716	19.7471	74.4422	530	12	Basalt	0.5	9
133	RAHATA	Nathu Patalachiwa	DW	47110	19.7479	74.5466	497.6	18	Basalt	0.5	13.5
134	RAHATA	Nighoj	DW	4715	19.7911	74.4665	516.3	13	Basalt	0.75	9.75
135	RAHATA	Nimgaon Korhale	DW	4715	19.7711	74.4675	516	12	Basalt	0.5	9
136	RAHATA	Pathare Bk.	DW	4716	19.5439	74.4885	523.2	14	Basalt	2.5	10.5
137	RAHATA	Pimpalwadi	DW	4719	19.768	74.5215	501.2	25	Basalt	0.75	18
138	RAHATA	Pimplas	DW	4716	19.7001	74.4818	523.7	14	Basalt	2	10.5
139	RAHATA	Pimpri Lokai	DW	4716	19.6637	74.4065	555.2	14	Basalt	0.5	10.5
140	RAHATA	Pimpri Nirmal	DW	4716	19.6434	74.4646	540.5	12	Basalt	0.5	9
141	RAHATA	Pimpri Nirmal	DW	4716	19.6464	74.4994	535.6	16	Basalt	0.75	12
142	RAHATA	Puntamba	DW	47110	19.7487	74.5953	493	16	Basalt	0.5	12
143	RAHATA	Puntamba	DW	47110	19.7407	74.6339	498.8	16	Basalt	1	12
144	RAHATA	Puntamba	DW	4719	19.7661	74.5936	486.2	17	Basalt	1	12.75

S no.	Taluka	Village	Type of well	Toposheet no.	Latitude	Longitude	Altitude (m amsl )	Depth (mbgl)	Aquifer	Q (lps)	Fractured thickness (m)
145	RAHATA	Rahata	DW	4716	19.72	74.4902	516.8	19	Basalt	1	14.25
146	RAHATA	Rajuri	DW	47110	19.6301	74.5524	538.3	13	Basalt	0.75	9.75
147	RAHATA	Rampurwadi	DW	47110	19.7271	74.5856	504.7	12	Basalt	1	9
148	RAHATA	Rampurwadi	DW	47110	19.7301	74.5987	497.9	15	Basalt	0.5	11.25
149	RAHATA	Ranjangaon Kh.	DW	47110	19.683	74.5385	516.6	12	Basalt	0.75	9
150	RAHATA	Rastapur	DW	4719	19.7589	74.5606	495.5	25	Basalt	0.75	18
151	RAHATA	Rui	DW	4719	19.7882	74.5036	506.1	14	Basalt	0.75	10.5
152	RAHATA	Sakuri	DW	4716	19.7292	74.4613	523.4	17	Basalt	2.5	12.75
153	RAHATA	Sawali Vihir Bk.	DW	4715	19.7997	74.4822	521	12	Basalt	0.75	9
154	RAHATA	Sawali Vihir Kh.	DW	4715	19.8045	74.4566	525	12	Basalt	1	9
155	RAHATA	Shingave	DW	4719	19.7768	74.5593	494.9	15	Basalt	0.5	11.25
156	RAHATA	Shingave	DW	4719	19.7992	74.5247	498.1	16	Basalt	0.5	12
157	RAHATA	Shirdi Korhale	DW	4715	19.7685	74.4894	509.9	13	Basalt	0.75	9.75
158	RAHATA	Tarkaswadi (N.V.)	DW	47110	19.642	74.5389	529.2	18	Basalt	2	13.5
159	RAHATA	Wakadi	DW	47110	19.6507	74.5902	531	12	Basalt	0.5	9
160	RAHATA	Wakadi	DW	47110	19.6741	74.5796	514.5	13	Basalt	2	9.75
161	RAHATA	Walki	DW	4716	19.7433	74.4017	542	18	Basalt	0.5	13.5
162	SANGAM	Akalapur	DW	4713	19.286	74.2163	601.5	11	Basalt	0.5	8.25
163	SANGAMNER	Akalapur	DW	4713	19.2592	74.242	640.1	15	Basalt	0.5	11.25
164	SANGAMNER	Ambhore	DW	4717	19.4858	74.2811	584.7	24	Basalt	0.75	16
165	SANGAMNER	Ambi Dumala	DW	4713	19.255	74.1139	710.6	8	Basalt	0.5	6
166	SANGAMNER	Ambi Dumala	DW	4713	19.2591	74.0915	738.2	12	Basalt	1	9
167	SANGAMNER	Ambi Khalasa	DW	4713	19.3457	74.157	625.8	15	Basalt	0.5	11.25
168	SANGAMNER	Ambi Khalasa	DW	4713	19.3551	74.1534	632.6	15	Basalt	0.5	11.25
169	SANGAMNER	Ambi Khalasa	DW	4713	19.3262	74.174	618.3	20	Basalt	2.5	15
170	SANGAMNER	Ashwi Kh.	DW	4716	19.5184	74.3647	530.8	13	Basalt	0.75	9.75
171	SANGAMNER	Aurangpur	DW	4716	19.5817	74.4022	562.4	12	Basalt	0.5	9
172	SANGAMNER	Bambalewadi	DW	4717	19.4014	74.291	652	12	Basalt	0.5	9
173	SANGAMNER	Birewadi	DW	4717	19.359	74.3167	601.8	13	Basalt	0.5	9.75

S no.	Taluka	Village	Type of well	Toposheet no.	Latitude	Longitude	Altitude (m amsl )	Depth (mbgl)	Aquifer	Q (lps)	Fractured thickness (m)
174	SANGAMNER	Chandanapuri	DW	4713	19.4902	74.2026	622.1	21	Basalt	0.5	15.75
175	SANGAMNER	Chanegaon	DW	4716	19.507	74.4363	528.4	17	Basalt	2	12.75
176	SANGAMNER	Chikhali	DW	4712	19.5615	74.1471	573.8	17	Basalt	1	12.75
177	SANGAMNER	Chinchapur Bk.	DW	4716	19.5528	74.4117	541.6	11	Basalt	0.75	8.25
178	SANGAMNER	Chincholi Gurav	DW	4716	19.7442	74.2863	574.9	15	Basalt	0.75	11.25
179	SANGAMNER	Chor Kauthe	DW	4715	19.764	74.3007	573.7	17	Basalt	0.5	12.75
180	SANGAMNER	Darewadi	DW	4717	19.441	74.3202	767.5	12	Basalt	0.5	9
181	SANGAMNER	Darewadi	DW	4717	19.4144	74.314	686.9	16	Basalt	0.75	12
182	SANGAMNER	Darewadi	DW	4717	19.4037	74.3277	664.8	17	Basalt	0.5	12.75
183	SANGAMNER	Dhandarphal Bk	DW	4712	19.5332	74.119	570.1	18	Basalt	0.75	13.5
184	SANGAMNER	Dhupe	DW	4713	19.4438	74.0743	787.2	13	Basalt	0.5	9.75
185	SANGAMNER	Digras	DW	4717	19.4747	74.3192	586.4	18	Basalt	0.75	13.5
186	SANGAMNER	Digras	DW	4717	19.4528	74.325	617.7	21	Basalt	0.5	15.75
187	SANGAMNER	Dolasane	DW	4713	19.3685	74.196	730.1	17	Basalt	0.5	12.75
188	SANGAMNER	Dolasane	DW	4713	19.3925	74.2148	791.3	20	Basalt	0.5	15
189	SANGAMNER	Gabhanawadi	DW	4713	19.46	74.2071	653.1	17	Basalt	0.75	12.75
190	SANGAMNER	Ghargaon	DW	4713	19.3222	74.1671	623.6	12	Basalt	0.75	9
191	SANGAMNER	Ghulewadi	DW	4712	19.602	74.1994	587	27	Basalt	0.75	18
192	SANGAMNER	Gunjalwadi	DW	4712	19.5897	74.1801	572.1	17	Basalt	0.5	12.75
193	SANGAMNER	Hangewadi	DW	4716	19.5053	74.314	552.9	11	Basalt	0.5	8.25
194	SANGAMNER	Hiwargaon Pawasa	DW	4712	19.5121	74.2037	597.1	18	Basalt	0.75	13.5
195	SANGAMNER	Jakhori	DW	4712	19.5338	74.2419	561.9	13	Basalt	0.75	9.75
196	SANGAMNER	Jakhori	DW	4716	19.5184	74.258	564.9	16	Basalt	0.5	12
197	SANGAMNER	Jambut Bk.	DW	4717	19.317	74.2722	595.1	17	Basalt	2.5	12.75
198	SANGAMNER	Jawale Baleshwar	DW	4713	19.4263	74.1126	876.5	6	Basalt	0.5	4.5
199	SANGAMNER	Jawale Kadlag	DW	4712	19.5849	74.1331	590.4	29	Basalt	0.75	18
200	SANGAMNER	Jorve	DW	4716	19.5482	74.2775	544.7	11	Basalt	2	8.25
201	SANGAMNER	Kanoli	DW	4716	19.5255	74.3041	552.2	18	Basalt	2	13.5
202	SANGAMNER	Karan	DW	4712	19.604	74.2352	580.1	15	Basalt	0.75	11.25

S no.	Taluka	Village	Type of well	Toposheet no.	Latitude	Longitude	Altitude (m amsl )	Depth (mbgl)	Aquifer	Q (lps)	Fractured thickness (m)
203	SANGAMNER	Karhe	DW	4712	19.6774	74.1597	697.9	14	Basalt	0.5	10.5
204	SANGAMNER	Kauthe Bk.	DW	4713	19.3544	74.1379	635.2	12	Basalt	1	9
205	SANGAMNER	Kauthe Kamaleshwa	DW	4716	19.6491	74.3256	607.5	14	Basalt	0.75	10.5
206	SANGAMNER	Kelewadi	DW	4714	19.2393	74.1595	684.2	14	Basalt	0.75	10.5
207	SANGAMNER	Khali	DW	4717	19.4851	74.4076	597.4	8	Basalt	0.5	6
208	SANGAMNER	Khali	DW	4717	19.4919	74.4222	546.2	12	Basalt	0.5	9
209	SANGAMNER	Khambe	DW	4717	19.4024	74.4106	612.1	13	Basalt	0.75	9.75
210	SANGAMNER	Khambe	DW	4717	19.396	74.4311	601.6	14	Basalt	0.5	10.5
211	SANGAMNER	Khandarmal	DW	4713	19.3477	74.2074	702.2	14	Basalt	0.5	10.5
212	SANGAMNER	Khandarmal	DW	4713	19.3302	74.2141	686.6	15	Basalt	0.5	11.25
213	SANGAMNER	Khardi	DW	4712	19.523	74.2343	573.3	12	Basalt	0.5	9
214	SANGAMNER	Kharshinde	DW	4717	19.4399	74.4102	674.2	10	Basalt	0.5	7.5
215	SANGAMNER	Kokanewadi	DW	4712	19.5338	74.1014	565.5	11	Basalt	2	8.25
216	SANGAMNER	Kokangaon	DW	4716	19.5841	74.32	577	17	Basalt	0.5	12.75
217	SANGAMNER	Kolhewadi	DW	4716	19.5697	74.2678	552	12	Basalt	0.75	9
218	SANGAMNER	Kolwade	DW	4717	19.4769	74.2577	611.8	18	Basalt	0.5	13.5
219	SANGAMNER	Konchi	DW	4716	19.5834	74.3453	599	13	Basalt	0.5	9.75
220	SANGAMNER	Kumbharwadi	DW	4717	19.4305	74.3491	704.2	19	Basalt	1	14.25
221	SANGAMNER	Kurakundi	DW	4713	19.3073	74.1327	786.5	14	Basalt	0.5	10.5
222	SANGAMNER	Kurkutwadi	DW	4713	19.2682	74.1265	709.2	14	Basalt	1	10.5
223	SANGAMNER	Lohare	DW	4716	19.6349	74.3912	572.4	14	Basalt	1	10.5
224	SANGAMNER	Maladad	DW	4712	19.6308	74.2043	616	14	Basalt	0.75	10.5
225	SANGAMNER	Malegaon Pathar	DW	4713	19.359	74.1728	753.2	17	Basalt	0.5	12.75
226	SANGAMNER	Malunje	DW	4717	19.4923	74.336	564.5	11	Basalt	0.5	8.25
227	SANGAMNER	Mangalapur	DW	4712	19.5579	74.1704	561	13	Basalt	0.5	9.75
228	SANGAMNER	Mendhwan	DW	4716	19.6243	74.3438	623.6	12	Basalt	1	9
229	SANGAMNER	Mengalwadi	DW	4713	19.4819	74.0574	642.6	9	Basalt	0.5	6.75
230	SANGAMNER	Namgaon Bk	DW	4713	19.4933	74.0839	604.1	9	Basalt	0.5	6.75
231	SANGAMNER	Namgaon Bk	DW	4712	19.5077	74.0985	589.2	23	Basalt	0.75	16

S no.	Taluka	Village	Type of well	Toposheet no.	Latitude	Longitude	Altitude (m amsl )	Depth (mbgl)	Aquifer	Q (lps)	Fractured thickness (m)
232	SANGAMNER	Nandur Khandarmal	DW	4713	19.2826	74.2409	591.5	8	Basalt	1	6
233	SANGAMNER	Nanduri Dumala	DW	4713	19.4986	74.1109	603.1	23	Basalt	0.5	16
234	SANGAMNER	Nannaj Dumala	DW	4716	19.6943	74.2533	619.2	12	Basalt	0.5	9
235	SANGAMNER	Nannaj Dumala	DW	4712	19.6848	74.2434	629.2	12	Basalt	0.5	9
236	SANGAMNER	Nannaj Dumala	DW	4716	19.711	74.2776	596.8	15	Basalt	0.75	11.25
237	SANGAMNER	Nilawande	DW	4716	19.6147	74.2848	586.6	12	Basalt	0.5	9
238	SANGAMNER	Nimaj	DW	4712	19.5154	74.1437	591.3	13	Basalt	0.5	9.75
239	SANGAMNER	Nimaj	DW	4712	19.5342	74.1497	563.6	18	Basalt	0.5	13.5
240	SANGAMNER	Nimbale	DW	4712	19.5587	74.2342	552.9	16	Basalt	0.5	12
241	SANGAMNER	Nimgaon Bhojapur	DW	4712	19.6223	74.1364	599.7	29	Basalt	0.5	18
242	SANGAMNER	Nimgaon Jali	DW	4716	19.5685	74.3827	560.2	18	Basalt	0.5	13.5
243	SANGAMNER	Nimgaon Jali	DW	4716	19.5876	74.3837	583.1	18	Basalt	0.5	13.5
244	SANGAMNER	Nimon	DW	4712	19.7329	74.1982	618.2	12	Basalt	0.5	9
245	SANGAMNER	Nimon	DW	4712	19.7079	74.1961	641	12	Basalt	0.5	9
246	SANGAMNER	Nimon	DW	4712	19.7287	74.2133	617.9	15	Basalt	0.75	11.25
247	SANGAMNER	Palaskhede	DW	4712	19.7082	74.1723	647.3	10	Basalt	0.5	7.5
248	SANGAMNER	Panodi	DW	4717	19.4735	74.3474	587.4	13	Basalt	0.5	9.75
249	SANGAMNER	Panodi	DW	4717	19.4661	74.3657	588.2	14	Basalt	0.75	10.5
250	SANGAMNER	Paregaon Bk.	DW	4712	19.7226	74.2494	597.9	9	Basalt	0.75	6.75
251	SANGAMNER	Paregaon Kh.	DW	4716	19.6673	74.2618	625.2	12	Basalt	0.75	9
252	SANGAMNER	Pemgiri	DW	4713	19.4724	74.0899	632.2	18	Basalt	0.5	13.5
253	SANGAMNER	Pemgiri	DW	4713	19.4653	74.0862	642.2	18	Basalt	0.5	13.5
254	SANGAMNER	Pemrewadi	DW	4713	19.3227	74.1212	760.8	12	Basalt	0.5	9
255	SANGAMNER	Pimpale	DW	4712	19.705	74.2251	623.9	10	Basalt	0.75	7.5
256	SANGAMNER	Pimpalgaon Depa	DW	4713	19.4274	74.2095	782.6	10	Basalt	0.5	7.5
257	SANGAMNER	Pimpalgaon Depa	DW	4713	19.4263	74.2468	731.5	13	Basalt	0.5	9.75
258	SANGAMNER	Pimpalgaon Depa	DW	4713	19.4591	74.2349	759.9	17	Basalt	0.5	12.75
259	SANGAMNER	Pimpalgaon Matha	DW	4713	19.4664	74.1384	893.9	8	Basalt	0.5	6
260	SANGAMNER	Pimparne	DW	4716	19.5182	74.2777	557.2	15	Basalt	2	11.25

S no.	Taluka	Village	Type of well	Toposheet no.	Latitude	Longitude	Altitude (m amsl )	Depth (mbgl)	Aquifer	Q (lps)	Fractured thickness (m)
261	SANGAMNER	Pokhari Haweli	DW	4716	19.6071	74.2551	583.2	18	Basalt	1	13.5
262	SANGAMNER	Rahimpur	DW	4716	19.553	74.3017	544.1	15	Basalt	2	11.25
263	SANGAMNER	Rajapur	DW	4712	19.5832	74.1717	568.8	17	Basalt	0.5	12.75
264	SANGAMNER	Rankhambwadi	DW	4717	19.4284	74.2906	706.1	13	Basalt	0.5	9.75
265	SANGAMNER	Rayatewadi	DW	4712	19.5343	74.2101	574	18	Basalt	0.5	13.5
266	SANGAMNER	Sadatpur	DW	4716	19.5886	74.4381	547.8	12	Basalt	1	9
267	SANGAMNER	Sakur	DW	4717	19.391	74.2629	667.1	13	Basalt	0.5	9.75
268	SANGAMNER	Sakur	DW	4717	19.3505	74.3007	605	13	Basalt	0.75	9.75
269	SANGAMNER	Sakur	DW	4717	19.3475	74.2735	613.2	29	Basalt	1	18
270	SANGAMNER	Samnapur	DW	4712	19.5862	74.247	565.4	13	Basalt	0.75	9.75
271	SANGAMNER	Sarole Pathar	DW	4713	19.397	74.1653	795.3	13	Basalt	0.5	9.75
272	SANGAMNER	Sawargaon Tal	DW	4713	19.4765	74.1623	666.6	13	Basalt	0.5	9.75
273	SANGAMNER	Sawargaon Tal	DW	4713	19.4857	74.1826	633	15	Basalt	0.5	11.25
274	SANGAMNER	Saykhindi	DW	4712	19.6356	74.1475	623.7	15	Basalt	1	11.25
275	SANGAMNER	Shedgaon	DW	4716	19.5082	74.3339	544.6	11	Basalt	0.5	8.25
276	SANGAMNER	Shibalapur	DW	4717	19.4929	74.3652	556.4	12	Basalt	0.5	9
277	SANGAMNER	Shindodi	DW	4717	19.36	74.3707	608.2	11	Basalt	0.75	8.25
278	SANGAMNER	Sonewadi	DW	4712	19.6865	74.2072	649.9	12	Basalt	0.75	9
279	SANGAMNER	Sukewadi	DW	4712	19.5921	74.2237	570.8	17	Basalt	0.5	12.75
280	SANGAMNER	Talegaon	DW	4716	19.7058	74.3086	584.7	17	Basalt	0.5	12.75
281	SANGAMNER	Tigaon	DW	4716	19.667	74.2985	618.9	12	Basalt	0.5	9
282	SANGAMNER	Wadgaon Landaga	DW	4712	19.5649	74.0943	613.8	15	Basalt	2	11.25
283	SANGAMNER	Wadgaon Pan	DW	4716	19.5903	74.2729	567.1	18	Basalt	2	13.5
284	SANGAMNER	Wadzari Bk.	DW	4716	19.6827	74.3292	594.9	14	Basalt	2	10.5
285	SANGAMNER	Wadzari Kh.	DW	4716	19.6709	74.3509	596.9	12	Basalt	0.5	9
286	SANGAMNER	Wankute	DW	4713	19.3426	74.1073	737.6	12	Basalt	0.5	9
287	SANGAMNER	Warwandi	DW	4717	19.4156	74.3893	646.3	12	Basalt	0.5	9
288	SANGAMNER	Warwandi	DW	4717	19.4223	74.3782	661.3	15	Basalt	0.75	11.25
289	SANGAMNER	Warwandi	DW	4717	19.4391	74.376	695.1	17	Basalt	0.5	12.75



S no.	Taluka	Village	Type of well	Toposheet no.	Latitude	Longitude	Altitude (m amsl )	Depth (mbgl)	Aquifer	Q (lps)	Fractured thickness (m)
290	SANGAMNER	Welhale	DW	4712	19.6299	74.1719	618.9	10	Basalt	0.5	7.5
291	SANGAMNER	Welhale	DW	4712	19.6022	74.1574	581.6	11	Basalt	0.5	8.25
292	SANGAMNER	Yelkhopwadi	DW	4713	19.2676	74.1737	694.9	8	Basalt	0.5	6
293	SANGAMNER	Zarekathi	DW	4717	19.4866	74.4477	552.8	15	Basalt	0.75	11.25
294	SANGAMNER	Zole	DW	4712	19.5214	74.1759	590.6	12	Basalt	0.5	9
295	SHRIRAMPUR	Bhamathan	DW	47114	19.6571	74.7871	479.7	28	Basalt	0.5	18
296	SHRIRAMPUR	Bherdapur	DW	47110	19.5178	74.7481	491.3	13	Basalt	0.5	9.75
297	SHRIRAMPUR	Bherdapur	DW	47114	19.5487	74.7521	499.8	18	Basalt	0.5	13.5
298	SHRIRAMPUR	Bhokar	DW	47114	19.6385	74.7591	487	12	Basalt	0.5	9
299	SHRIRAMPUR	Bhokar	DW	47114	19.6155	74.7775	493.8	13	Basalt	1	9.75
300	SHRIRAMPUR	Brahmangaon	DW	47110	19.6549	74.6953	507.8	10	Basalt	1	7.5
301	SHRIRAMPUR	Dighi	DW	47110	19.6448	74.626	539.8	32	Basalt	2	20
302	SHRIRAMPUR	Fatyabad	DW	47110	19.5604	74.5684	514.9	19	Basalt	0.75	14.25
303	SHRIRAMPUR	Fatyabad	DW	47110	19.5416	74.5715	510.7	24	Basalt	1	16
304	SHRIRAMPUR	Galnimb	DW	47110	19.5439	74.5845	511.6	17	Basalt	2	12.75
305	SHRIRAMPUR	Gondhavani	DW	47110	19.6514	74.6739	507.7	7	Basalt	2	5.25
306	SHRIRAMPUR	Kadit Kh.	DW	47110	19.5364	74.5528	514.3	30	Basalt	1	20
307	SHRIRAMPUR	Kamalpur	DW	47114	19.652	74.8109	476.5	12	Basalt	0.5	9
308	SHRIRAMPUR	Karegaon	DW	47114	19.5638	74.753	506.4	12	Basalt	0.5	9
309	SHRIRAMPUR	Karegaon	DW	47110	19.5747	74.732	513.1	17	Basalt	1	12.75
310	SHRIRAMPUR	Khanapur	DW	47110	19.6952	74.7333	491.7	20	Basalt	1	15
311	SHRIRAMPUR	Khanapur	DW	47114	19.7048	74.7864	473.2	21	Basalt	0.5	15.75
312	SHRIRAMPUR	Mahankal Wadgaon	DW	47114	19.7331	74.7751	476.8	18	Basalt	0.5	13.5
313	SHRIRAMPUR	Malewadi	DW	47110	19.7171	74.7169	484.8	17	Basalt	0.75	12.75
314	SHRIRAMPUR	Malunja Bk.	DW	47110	19.5356	74.716	499	13	Basalt	0.5	9.75
315	SHRIRAMPUR	Malwadgaon	DW	47114	19.6754	74.779	479.5	12	Basalt	0.5	9
316	SHRIRAMPUR	Matapur	DW	47110	19.5577	74.716	505	13	Basalt	0.75	9.75
317	SHRIRAMPUR	Naur	DW	4719	19.7537	74.7086	484.5	14	Basalt	1	10.5
318	SHRIRAMPUR	Naygaon	DW	47110	19.7407	74.6744	487.9	13	Basalt	0.5	9.75

S no.	Taluka	Village	Type of well	Toposheet no.	Latitude	Longitude	Altitude (m amsl )	Depth (mbgl)	Aquifer	Q (lps)	Fractured thickness (m)
319	SHRIRAMPUR	Nimgaon Khairy	DW	47110	19.6767	74.6622	514	5	Basalt	0.5	3.75
320	SHRIRAMPUR	Nimgaon Khairy	DW	47110	19.675	74.6388	524.3	11	Basalt	0.75	8.25
321	SHRIRAMPUR	Nipani Wadgaon	DW	47110	19.6017	74.7211	503.4	10	Basalt	0.5	7.5
322	SHRIRAMPUR	Nipani Wadgaon	DW	47110	19.5993	74.687	522.9	12	Basalt	0.5	9
323	SHRIRAMPUR	Rampur	DW	47110	19.7411	74.7087	484.1	19	Basalt	0.75	14.25
324	SHRIRAMPUR	Sarala	DW	47110	19.7331	74.7337	480.9	20	Basalt	0.75	15
325	SHRIRAMPUR	Shrirampur Urban	DW	47110	19.6566	74.6535	522.2	13	Basalt	0.75	9.75
326	SHRIRAMPUR	Takalibhan	DW	47114	19.5589	74.8027	497.2	12	Basalt	0.5	9
327	SHRIRAMPUR	Takalibhan	DW	47114	19.6005	74.8076	504.8	18	Basalt	0.5	13.5
328	SHRIRAMPUR	Ukalgaon	DW	47110	19.5713	74.6168	512.6	13	Basalt	0.5	9.75
329	SHRIRAMPUR	Umbergaon	DW	47110	19.5783	74.6928	517.2	12	Basalt	1	9
330	SHRIRAMPUR	Umbergaon	DW	47110	19.5552	74.6781	503.1	15	Basalt	1	11.25
331	SHRIRAMPUR	Wadala Mahadeo	DW	47110	19.6307	74.7328	504.8	13	Basalt	2	9.75
332	SHRIRAMPUR	Wangi	DW	47114	19.53	74.7846	490.6	12	Basalt	0.5	9

**Annexure-IV: Water Level of Ground water monitoring wells (2017) with long term trend (2008-2017)**

S.No.	District	Taluka	Village	Y	X	Depth	Year	Pre-monsoon water level (m bgl)	Post-monsoon water level (m bgl)	Pre trend (m/year)		Post trend (m/year)	
										Rise (m)	Fall (m)	Rise (m)	Fall (m)
1	Ahmednagar	AKOLA	Akola	19.56667	73.96389	10	2017	7.9	1.5		0.05		0.08
2	Ahmednagar	AKOLA	Bramhanwada.	19.34167	74.0375	7.81	2017	7.3	1.3		0		0.01
3	Ahmednagar	AKOLA	Deothan	19.63889	74.04306	19.4	2017	14.7	3.2		0.05	0.09	
4	Ahmednagar	AKOLA	Kalas kh.	19.53194	74.06806	9.7	2017	9.7	0.5		0.44		0.05
5	Ahmednagar	AKOLA	Keli kotul	19.38472	73.95139	4.5	2017	3.9	0.55		0.03		0.03
6	Ahmednagar	AKOLA	Kotul	19.43611	73.96667	8.7	2017	8.7	3		0.13		0.05
7	Ahmednagar	AKOLA	Maveshi.	19.49444	73.84167	13	2017	13	1.7		0.15		0.12
8	Ahmednagar	AKOLA	Rajur	19.51944	73.87083	9.65	2017	7.4	1.3		0.44		0.08
9	Ahmednagar	AKOLA	Tahakari	19.64583	73.93611	9	2017	9	1.3		0.23		0.11
10	Ahmednagar	AKOLA	Takali	19.55	73.99583	15.75	2017	10.2	1.1		0.31		0.16
11	Ahmednagar	AKOLA	Tambhol.	19.58333	74.04306	13	2017	13	2.3		0.06		0.34
12	Ahmednagar	AKOLA	Unchkhadak Bk.	19.55556	73.97778	8.3	2017	8.3	0.5		0.21		0.01
13	Ahmednagar	AKOLA	Waki	19.56111	73.78333	5.75	2017	5	0.3		0.15		0.01
14	Ahmednagar	JAMKHED	Arangaon	18.67222	75.18056	9.2	2017	9.2	2.9		0.21		0.09
15	Ahmednagar	JAMKHED	Borle	18.56389	75.29444	15.6	2017	15	3.1		0.33	0.11	
16	Ahmednagar	JAMKHED	Chondhi	18.57083	75.18889	11	2017	11	8.9		0.01		0.06
17	Ahmednagar	JAMKHED	Dongaon.	18.72639	75.19167	13.35	2017	9.1	3.4		0.55		0.02
18	Ahmednagar	JAMKHED	Jamkhed	18.73056	75.3125	13.4	2017	13.4	3.2		0.38		0.06
19	Ahmednagar	JAMKHED	Kaudgaon	18.63333	75.175	13.8	2017	13.6	3		0.08	0.13	
20	Ahmednagar	JAMKHED	Nannaj.	18.59583	75.31111	14.8	2017	14.8	4.5		0.08	0.04	
21	Ahmednagar	JAMKHED	Pimpalgaon Alwa.	18.65139	75.38194	9.2	2017	7.7	1.3		0.17		0.01
22	Ahmednagar	JAMKHED	Satephal.	18.60556	75.44861	6.25	2017	5.9	0.9		0.34		0.07
23	Ahmednagar	JAMKHED	Sonegaon.	18.56667	75.41528	9.6	2017	9.6	1.2		0		0.01
24	Ahmednagar	JAMKHED	Zikri	18.65	75.29861	10.8	2017	6	0.8		0.33		0.08
25	Ahmednagar	KARJAT	Akhoni.	18.39583	74.8625	12	2017	11	4.5		0.01	0.5	
26	Ahmednagar	KARJAT	Babulgaon Khalasa	18.68611	75.05	12	2017	12	3.6		0.46		0.1
27	Ahmednagar	KARJAT	Bahirobawadi.	18.59722	75.00417	14.9	2017	14.9	6.5		0		0.12
28	Ahmednagar	KARJAT	Baradgaon Sudrik.	18.44861	74.81667	11	2017	5.5	1.8		0.34		0.06
29	Ahmednagar	KARJAT	Chicholi Kaldat.	18.64028	75.02917	13.5	2017	13.5	4.3		0.07		0.04
30	Ahmednagar	KARJAT	Jalalpur.	18.47917	74.73472	10.5	2017	6.2	1.8		0.37		0.04
31	Ahmednagar	KARJAT	Jalgaon	18.64583	75.09583	11.2	2017	11.2	3.4		0.35		0.03
32	Ahmednagar	KARJAT	Karpadi	18.58889	74.86528	6.8	2017	5.3	1.8		0.12		0.1
33	Ahmednagar	KARJAT	Khatgaon	18.49444	75.09444	7.8	2017	6	3.6		0.12		0.07
34	Ahmednagar	KARJAT	Koregaon	18.52917	75.05417	11.1	2017	13	5		0.04		0.03
35	Ahmednagar	KARJAT	Mirajgaon	18.72917	75.02639	13.5	2017	12	4.2		0.38		0.4
36	Ahmednagar	KARJAT	Nagalwadi	18.70417	75.09167	14.5	2017	13.6	6.7		0.18	0.36	
37	Ahmednagar	KARJAT	Nimgaon Daku.	18.57222	75.14444	7.9	2017	5.8	3.5		0.02	0.15	

S.No.	District	Taluka	Village	Y	X	Depth	Year	Pre-monsoon water level (m bgl)	Post-monsoon water level (m bgl)	Pre trend (m/year)		Post trend (m/year)	
										Rise (m)	Fall (m)	Rise (m)	Fall (m)
38	Ahmednagar	KARJAT	Rashin.	18.43333	74.92222	12.8	2017	12.8	3.7		0.18	0.05	
39	Ahmednagar	KARJAT	Ruigavhan.	18.63611	74.85417	13.7	2017	13.7	3.5		0.67		0.03
40	Ahmednagar	PARNER	Alkuti	19.05972	74.24583	14.35	2017	14.35	5.5		0.15		0.02
41	Ahmednagar	PARNER	Bhalawani	19.10833	74.55	11.4	2017	10	4		0.57		0.09
42	Ahmednagar	PARNER	Chombhut	19.01944	74.2	10.9	2017	9	4.3		0.19		0.09
43	Ahmednagar	PARNER	Deswade	19.31389	74.325	22.4	2017	17.5	8.5		0.33		0.17
44	Ahmednagar	PARNER	Dhawalpuri	19.175	74.53056	15.55	2017	12.7	0.1		0.43	0.08	
45	Ahmednagar	PARNER	Kalas	19.10278	74.21806	13.4	2017	12.3	5.1		0.11	0.06	
46	Ahmednagar	PARNER	Kanhoor	19.09722	74.38472	12.2	2017	7.3	3		0.27	0.07	
47	Ahmednagar	PARNER	Karjule Harya	19.16833	74.32222	12.95	2017	11.5	1.1		0.05		0
48	Ahmednagar	PARNER	Katalwede	19.21667	74.20833	14.35	2017	13.3	5.5		0.3		0.06
49	Ahmednagar	PARNER	Nighoj	18.95833	74.28056	10.8	2017	10.8	3.8		0.12	0.42	
50	Ahmednagar	PARNER	Parner	19	74.4375	9.1	2010	9	1.3		0.24		0.02
51	Ahmednagar	PARNER	Tas	19.34306	74.44583	16.6	2017	16.6	2.5		0.24		0.03
52	Ahmednagar	PARNER	Wade Gavhan	18.8625	74.4125	15.2	2017	10.2	1.8		0.31		0.02
53	Ahmednagar	PARNER	Wadzire.	19.01944	74.33889	17.3	2017	13	4.6		0.04		0.03
54	Ahmednagar	PARNER	Wankute	19.29306	74.45417	10.3	2017	10.3	3.6		0.04		0.03
55	Ahmednagar	PATHARDI	Chinchpur Pangul.	19.0125	75.3125	9.3	2017	7.3	4.1		0.19	0.01	
56	Ahmednagar	PATHARDI	Karanji	19.13194	74.99306	13.2	2017	11.7	3.9		0.53	0.09	
57	Ahmednagar	PATHARDI	Karodi	19.10556	75.26111	13	2017	13	1.9		0.26		0.02
58	Ahmednagar	PATHARDI	Kaudgaon	19.17361	75.01528	13.3	2017	12.4	8.4		0.17		0.1
59	Ahmednagar	PATHARDI	Malibabhulgaon	19.19167	75.15556	11.9	2017	10	4.8		0.12		0.05
60	Ahmednagar	PATHARDI	Manik Daundi.	19.08611	75.15833	5.2	2017	5.2	1		0.14		0.01
61	Ahmednagar	PATHARDI	Pimpalgaon Tappa.	19.06528	75.29028	15.75	2017	15.75	10.4		0.14	0.29	
62	Ahmednagar	PATHARDI	Prabhupimpri	19.2375	75.22083	19.6	2017	17.5	4.5		0.03	0.15	
63	Ahmednagar	RAHURI	Baragaon Nandur	19.35694	74.60972	21	2017	18.3	13.7		0.21		0.01
64	Ahmednagar	RAHURI	Deolali Pravara	19.475	74.62306	12.6	2017	9.1	3.2		0.05		0.13
65	Ahmednagar	RAHURI	Digras	19.35833	74.63611	10.6	2017	8.3	4		0.12		0.06
66	Ahmednagar	RAHURI	Kangar Bk.	19.42222	74.55139	10.3	2017	8	0.6		0.22		0.05
67	Ahmednagar	RAHURI	Kendal kh	19.46806	74.73333	18	2017	17.4	11.25		0.07		0.18
68	Ahmednagar	RAHURI	Kolhar kh	19.53194	74.53889	9.7	2017	9.6	3.8		0.06		0.01
69	Ahmednagar	RAHURI	Rahuri Bk.	19.38528	74.65639	15.9	2017	13.9	5.21		0.03		0.01
70	Ahmednagar	RAHURI	Sade	19.34444	74.67778	9.8	2017	9.8	3.5		0.33		0.05
71	Ahmednagar	RAHURI	Taharabad	19.41389	74.69167	15	2017	6.1	1.6		0.23		0.01
72	Ahmednagar	RAHURI	Tambhere	19.475	74.52778	9.1	2017	7.8	5.2		0.17		0.17
73	Ahmednagar	RAHURI	Umbre	19.36667	74.75833	16.5	2017	12.2	4		0.06		0.04
74	Ahmednagar	RAHURI	Vambori	19.29028	74.73194	9.1	2017	9.1	5		0.07		0.09
75	Ahmednagar	RAHURI	Varshinde	19.42361	74.475	7.3	2017	6.4	2.4		0.02		0.02

S.No.	District	Taluka	Village	Y	X	Depth	Year	Pre-monsoon water level (m bgl)	Post-monsoon water level (m bgl)	Pre trend (m/year)		Post trend (m/year)	
										Rise (m)	Fall (m)	Rise (m)	Fall (m)
76	Ahmednagar	RAHURI	Varvandi	19.31389	74.63333	10	2017	6.3	2.5		0.04		0
77	Ahmednagar	SHEVGAON	Amarapur	19.28194	75.18194	10.2	2017	7.8	3.5		0.01		0.09
78	Ahmednagar	SHEVGAON	Antarawali Bk.	19.29583	75.37083	7.5	2017	7.5	2.3	0.09			0.05
79	Ahmednagar	SHEVGAON	Antre	19.42861	75.20833	11.2	2017	11.2	3.8		0.11		0.07
81	Ahmednagar	SHEVGAON	Balam Takali	19.3	75.475	17.5	2017	17.5	7.9		0.41		0.1
82	Ahmednagar	SHEVGAON	Bodhegaon.	19.3125	75.44722	9.3	2017	9.1	2	0.01		0.51	
83	Ahmednagar	SHEVGAON	Chapadgaon	19.35278	75.37222	11	2017	9.8	1.5	0.11		-0.4	
84	Ahmednagar	SHEVGAON	Erandgaon	19.425	75.2875	10.5	2017	10.5	8		0.01	0.09	
85	Ahmednagar	SHEVGAON	Gaikwad Jalgaon	19.30833	75.53889	11.3	2017	11.3	7.6	0.1		0.18	
86	Ahmednagar	SHEVGAON	Ghotan	19.40139	75.29167	11.3	2017	7.4	1.2		0.26	0.03	
87	Ahmednagar	SHEVGAON	Hatgaon.	19.36056	75.46056	9	2017	6.8	5		0.03	0.38	
88	Ahmednagar	SHEVGAON	Hingangaon Ne.	19.40833	75.19722	10.9	2017	9.8	5		0.32	0.45	
89	Ahmednagar	SHEVGAON	Karjat Kh.	19.44278	75.2225	10.4	2017	8.4	3.5		0.53		0.02
90	Ahmednagar	SHEVGAON	Khanapur	19.49306	75.26111	12	2017	9.1	2.6	0.04			0.06
91	Ahmednagar	SHEVGAON	Kolgaon	19.3125	75.33194	15.15	2017	9.5	6		0.59		0.14
92	Ahmednagar	SHEVGAON	Shevgaon	19.35639	75.22722	15.4	2017	15.4	3.8		0.76		0.26
93	Ahmednagar	SHEVGAON	Sonvahir	19.35139	75.42361	9	2017	7.8	3		0.05	0.15	
94	Ahmednagar	SHEVGAON	Tajnapur	19.41944	75.21389	18.1	2017	13	3.5		0.62	0.01	
95	Ahmednagar	SHRIGONDA	Adhalgaon.	18.6375	74.76389	13.1	2017	9.3	2.6		0.16		0.01
96	Ahmednagar	SHRIGONDA	Banpimpri.	18.82972	74.88472	11.45	2017	9	2.5		0.15		0.05
97	Ahmednagar	SHRIGONDA	Bori.	18.65278	74.49583	5.3	2017	5.1	0.7		0.28		0.04
98	Ahmednagar	SHRIGONDA	Chimbhale.	18.65611	74.55417	11.8	2017	11.8	6	0.17		0.14	
99	Ahmednagar	SHRIGONDA	Deodaitan.	18.82222	74.44722	7.4	2017	7.4	1.9		0.2		0.24
100	Ahmednagar	SHRIGONDA	Kashti.	18.54722	74.6	13.6	2017	13.2	2.7	0.14		0.11	
101	Ahmednagar	SHRIGONDA	Kolgaon.	18.79444	74.66806	15.1	2017	12	4.5	0.06		0.29	
102	Ahmednagar	SHRIGONDA	Koregavhan.	18.83333	74.55694	11.8	2017	10.1	2.2		0.03	0.22	
103	Ahmednagar	SHRIGONDA	Madhewadgaon.	18.61389	74.61806	13.3	2017	12.7	4.7		0.06	0.13	
104	Ahmednagar	SHRIGONDA	Mandavgan.	18.83056	74.83028	17.5	2017	14	5.8		0.16	0.67	
105	Ahmednagar	SHRIGONDA	Mhase.	18.73194	74.49861	11.9	2017	8.8	2.45		0.41		0.15
106	Ahmednagar	SHRIGONDA	Nimgaon khalu.	18.48333	74.57778	13.6	2017	12.9	6		0.55		0.07
107	Ahmednagar	SHRIGONDA	Pedgaon	18.50972	74.70139	6.7	2017	6.4	1.5		0.29		0
108	Ahmednagar	SHRIGONDA	Pimpalgaon pisa	18.79361	74.59778	10.85	2017	9.7	3.1		0.3		0.01
109	Ahmednagar	SHRIGONDA	Shedgaon.	18.54444	74.72083	9.05	2017	7.8	1.3	0.1			0.09
110	Ahmednagar	SHRIGONDA	Shrigonda	18.61667	74.7	16.25	2017	15.1	3.2		0.2		0.01
111	Ahmednagar	SHRIGONDA	Ukkadgaon.	18.75139	74.52639	10.35	2017	9.5	3.6		0.35		0.04
112	Ahmednagar	SHRIGONDA	Wadali	18.69167	74.69028	13.2	2017	10.5	2.55		0.45		0.01
113	Ahmednagar	Kopargaon	Anchalgaon.	19.95833	74.51528						0.31		
114	Ahmednagar	Kopargaon	Apegaon.	19.92083	74.62222						0.17		0.28

S.No.	District	Taluka	Village	Y	X	Depth	Year	Pre-monsoon water level (m bgl)	Post-monsoon water level (m bgl)	Pre trend (m/year)		Post trend (m/year)	
										Rise (m)	Fall (m)	Rise (m)	Fall (m)
115	Ahmednagar	Kopargaon	Dahigaon Bolka	19.89639	74.58583						0.17		0.25
116	Ahmednagar	Kopargaon	Derde Korhale.	19.84167	74.39306						0.32		0.08
117	Ahmednagar	Kopargaon	Dhamori.	19.96667	74.31667						0.24		0.01
118	Ahmednagar	Kopargaon	Dhotre.	19.86389	74.62361						0.31		0.23
119	Ahmednagar	Kopargaon	Javalke.	19.77361	74.36667					0.19			0.01
120	Ahmednagar	Kopargaon	Jeur Patoda	19.86806	74.46389						0.29		0.15
121	Ahmednagar	Kopargaon	Kopargaon	19.88333	74.47917					0.18			0.63
122	Ahmednagar	Kopargaon	Kumbhari	19.90556	74.40972						0.26	0.16	
123	Ahmednagar	Kopargaon	Louki.	19.88194	74.59722						0.19		0.04
124	Ahmednagar	Kopargaon	Mahegaon Deshmukh	19.91389	74.38944						0.1		0.45
125	Ahmednagar	Kopargaon	Manjur.	19.94167	74.30972						0.3		0.09
126	Ahmednagar	Kopargaon	Pohegaon Kh.	19.81528	74.39722					0.19			0.3
127	Ahmednagar	Kopargaon	Ranjangaon Deshmukh	19.74583	74.34167						0.17		0.08
128	Ahmednagar	Kopargaon	Samvastar.	19.875	74.52222						0.43		0.11
129	Ahmednagar	Kopargaon	Shahajapur.	19.87917	74.34861						0.67		0.34
130	Ahmednagar	Kopargaon	Takali	19.94722	74.44861						0.12		0.01
131	Ahmednagar	Kopargaon	Talegaon Male.	19.8875	74.63333						0.42		0.13
132	Ahmednagar	Rahata	Babhaleshwar Bk.	19.6	74.51111						0.1	0.21	
133	Ahmednagar	Rahata	Bableshtar	19.60417	74.51389						0.31		0.41
134	Ahmednagar	Rahata	Chitali.	19.68472	74.63056						0.02		0.1
135	Ahmednagar	Rahata	Kolhar Bk.	19.53889	74.53611						0.15		0.23
136	Ahmednagar	Rahata	Loni Kh.	19.57861	74.45333						0.2	0.69	
137	Ahmednagar	Rahata	Puntamba	19.76667	74.61667					0.12			0.08
138	Ahmednagar	Rahata	Rahata	19.71667	74.48333						0.18		0.02
139	Ahmednagar	Rahata	Rampur One	19.71944	74.58444						0.2		0.3
140	Ahmednagar	Rahata	Ranjankhol	19.60972	74.61667						0.04	0.25	
141	Ahmednagar	Sangamner	Ashwi Kh.	19.51806	74.36806						0.35	0	
142	Ahmednagar	Sangamner	Bota	19.25556	74.14583						0.36		0.02
143	Ahmednagar	Sangamner	Chandanapuri.	19.49444	74.19583						0.09	0.32	
144	Ahmednagar	Sangamner	Chikhali.	19.55417	74.15361						0.01		0.21
145	Ahmednagar	Sangamner	Ghargaon.	19.32222	74.17278						0.2		0.13
146	Ahmednagar	Sangamner	Ghulewadi	19.6125	74.19583						0.33		0.28
147	Ahmednagar	Sangamner	Hangewadi	19.50556	74.31389						0.19		0.11
148	Ahmednagar	Sangamner	Jorve	19.54167	74.27778						0.12		0.33
149	Ahmednagar	Sangamner	Karhe	19.67361	74.1675						0.32		0.32
150	Ahmednagar	Sangamner	Karjule Pathar	19.40694	74.20833						0.29		0.25

S.No.	District	Taluka	Village	Y	X	Depth	Year	Pre-monsoon water level (m bgl)	Post-monsoon water level (m bgl)	Pre trend (m/year)		Post trend (m/year)	
										Rise (m)	Fall (m)	Rise (m)	Fall (m)
151	Ahmednagar	Sangamner	Karule.	19.64028	74.28611						0.03		0.12
152	Ahmednagar	Sangamner	Kasare	19.59028	74.36944					0	0		0.19
153	Ahmednagar	Sangamner	Kauthe Dhandarphal.	19.52917	74.10972					0.1			0.08
154	Ahmednagar	Sangamner	Kawthe Malkapur	19.39028	74.35833						0.45		0.66
155	Ahmednagar	Sangamner	Maladad.	19.63056	74.20417						0.17		0.06
156	Ahmednagar	Sangamner	Mandave Bk.	19.33333	74.34444					0.01		0.21	
157	Ahmednagar	Sangamner	Mirzapur	19.48889	74.12778						0.25		0.14
158	Ahmednagar	Sangamner	Nandur Khandarmal.	19.325	74.23611						0.42		0.23
159	Ahmednagar	Sangamner	Nimbale	19.55556	74.23194					0	0	0.15	
160	Ahmednagar	Sangamner	Nimgaon Jali.	19.56528	74.38472						0.19		0.26
161	Ahmednagar	Sangamner	Nimgaon paga bk.	19.49583	74.08472						0.35		0.1
162	Ahmednagar	Sangamner	Nimon.	19.62639	74.17694						0.14		0.31
163	Ahmednagar	Sangamner	Raitewadi.	19.53889	74.21528						0.14		0.13
164	Ahmednagar	Sangamner	Raytewadi	19.54083	74.20861						0.02		0.09
165	Ahmednagar	Sangamner	Raytewadi	19.54306	74.20861						0.06		0.03
166	Ahmednagar	Sangamner	Sakur	19.34861	74.3						0.35	0.29	
167	Ahmednagar	Sangamner	Samnapur.	19.5875	74.24444						0.51		0.08
168	Ahmednagar	Sangamner	Sangamner	19.33056	74.21389						0.05		0.19
169	Ahmednagar	Sangamner	Sangamner Kh.	19.56111	74.21111						0.26		0.16
170	Ahmednagar	Sangamner	Sarole Pathar.	19.39444	74.18056					0.15			0.18
171	Ahmednagar	Sangamner	Shibalapur	19.49389	74.3625						0.21		
172	Ahmednagar	Shrirampur	Belapur Bk.	19.56389	74.64861						0.02		0.15
173	Ahmednagar	Shrirampur	Ekalahare	19.56333	74.62694					0.29			0.3
174	Ahmednagar	Shrirampur	Khirdi	19.53611	74.80139						0.1		0.18
175	Ahmednagar	Shrirampur	Khokar.	19.60278	74.74306					0.1		0.51	
176	Ahmednagar	Shrirampur	Nimgaon Khairi	19.68	74.65611						0.65		0.17
177	Ahmednagar	Shrirampur	Shrirampur	19.61806	74.66111						0.02		0.11
178	Ahmednagar	Shrirampur	Takalibhan.	19.61556	74.8					0.13		0.2	
179	Ahmednagar	Shrirampur	Undirgaon.	19.67778	74.70694					0.18		0.5	
180	Ahmednagar	Shrirampur	Wadala Mahadeo.	19.61944	74.71111						0.13		0.23
181	Ahmednagar	NAGAR	Arangaon	19.02361	74.71667						0.36		0.42
182	Ahmednagar	NAGAR	Bhatodi Pargaon	19.06528	74.90139						0.09		0.19
183	Ahmednagar	NAGAR	Bolhegaon	19.125	74.71111						0.44		0.42
184	Ahmednagar	NAGAR	Burudgaon	19.05417	74.73889						0.53		0.28
185	Ahmednagar	NAGAR	Chichondi Patil.	19.00278	74.91944						0.17		0.53
186	Ahmednagar	NAGAR	Deulgaon Siddhi	18.90972	74.74861						0.49		0.14
187	Ahmednagar	NAGAR	Hatwalan.	18.83611	74.75833						0.15		0.12
188	Ahmednagar	NAGAR	Jakhangaon	19.10861	74.63056						0.29		0.91

S.No.	District	Taluka	Village	Y	X	Depth	Year	Pre-monsoon water level (m bgl)	Post-monsoon water level (m bgl)	Pre trend (m/year)		Post trend (m/year)	
										Rise (m)	Fall (m)	Rise (m)	Fall (m)
189	Ahmednagar	NAGAR	Jeur	19.20972	74.8125					0	0		0.55
190	Ahmednagar	NAGAR	Kamargaon	18.99722	74.59306						0.03		0.15
191	Ahmednagar	NAGAR	Mandave.	18.98889	74.84583						0.05		0.06
192	Ahmednagar	NAGAR	Mathpimpri.	18.89167	74.87222						0.77		0.47
193	Ahmednagar	NAGAR	Mehekari	19.09861	74.87222					-0.5			0.31
194	Ahmednagar	NAGAR	Nepti	19.0875	74.67639						0.1		0.11
195	Ahmednagar	NAGAR	Pargaon Maula	18.98889	74.78611						0.03		0.18
196	Ahmednagar	NAGAR	Rui Chhattishi.	18.90556	74.84444						0.29		0.33
197	Ahmednagar	NAGAR	Shiradhon	18.98194	74.80139						0.23		0.27
198	Ahmednagar	NAGAR	Takali Kazi.	19.04028	74.84028						0.12		0.39
199	Ahmednagar	NAGAR	Wakodi	19.04583	74.75556						0.25		0.3
200	Ahmednagar	NAGAR	Walki	18.96389	74.75278						0.06		0.28
201	Ahmednagar	NEVASA	Babhulwedhe	19.47306	74.93194						0.48	0.05	
202	Ahmednagar	NEVASA	Belpandhari	19.63611	74.87917						0.06	0.16	
203	Ahmednagar	NEVASA	Belpimpalgaon	19.60778	74.85					0.11			0.03
204	Ahmednagar	NEVASA	Galnimb	19.525	75.08611						0.64	0.44	
205	Ahmednagar	NEVASA	Ghodegaon	19.34722	74.88333					0.3		0	
206	Ahmednagar	NEVASA	Jalke Kh.	19.55278	75.01944						0.16	0	
207	Ahmednagar	NEVASA	Khunegaon	19.4875	74.99167						0.24	0.03	0
208	Ahmednagar	NEVASA	Kukana	19.43472	75.07222						0.38	0.3	
209	Ahmednagar	NEVASA	Newasa Kh.	19.55278	74.925						0.17		0.16
210	Ahmednagar	NEVASA	Suregaon Tarf Dahigaon	19.58611	75.09583						0.33		0.02
211	Ahmednagar	NEVASA	Wadula Bahiroba	19.43333	74.90833						0.32	0.29	
212	Ahmednagar	NEVASA	Watapur	19.50861	74.85833						0.33		0.2



### Annexure-V: Chemical analysis of ground water samples, Shallow aquifers

SN	Agency	District	Taluka	Village	pH	EC	TDS	TH	Ca	Mg	Na	K	CO3	HCO3	Cl	SO4	NO3	F	Fe
1	GSDA	Ahmednagar	Kopargaon	Apegaon.	7.8	4370	2841	1560	152	286.7	574.0	2.9	0.0	610.0	1080	390	0	1.2	0.9
2	GSDA	Ahmednagar	Kopargaon	Talegaon male.	8.2	1547	990	488	44.8	91.4	124.0	3	0.0	287.9	223	102	0	1.2	0.0
3	CGWB	Ahmednagar	Shrirampur	Kherdi	7.9	1193	775	305	44	47	155	1.89	0	378	191	36.6	10	0.86	
4	GSDA	Ahmednagar	Kopargaon	Kopargaon	7.7	3230	2067	420	112	34.0	186.4	15	0.0	256.2	108	80	0	0.72	0.2
5	CGWB	Ahmednagar	Kopargaon	Kapargaon Ew	8	1803	1172	390	52	63	350	1.14	0	281	170	777.3	100.1	0.69	
6	GSDA	Ahmednagar	Shrirampur	Belapur kh	7.7	1735	1110	450	120	36.5	80.0	0.1	0.0	414.8	106	60	0	0.65	0.5
7	NHS2016	Ahmednagar	Jamkhed	Jamkhed	0	1148	609	340	62.124	45.0	94.8	0.32	0.0	164.7	205.61	23	116	0.6	0.0
8	GSDA	Ahmednagar	Kopargaon	Ranjangaon Desh	8.21	2650	1723	732	151.2	86.0	220.0	9.6	0.0	356.2	178	220	0	0.6	0.4
9	GSDA	Ahmednagar	Shrigonda	Koregavhan.	7.77	1790	1164	464	92.4	56.6	165.2	1.6	0.0	431.9	140	119	0	0.55	0.0
10	CGWB	Ahmednagar	Shrirampur	Narasali	8.4	3392	2205	590	36	122	928	1.88	0	342	305	1123.1	46.3	0.54	
11	CGWB	Ahmednagar	Rahata	Ekrukh Row -6	8	530	345	195	28	30	76	0.8	0	262	25	99.3	49.8	0.53	
12	GSDA	Ahmednagar	Shrigonda	Banpimpri.	7.5	1660	1062	416	80	52.5	120.2	5	0.0	300.1	53	84	0	0.53	0.1
13	CGWB	Ahmednagar	Shrirampur	Galimb	7.8	516	335	235	48	28	47	0.84	0	238	21	75.6	466.5	0.46	
14	CGWB	Ahmednagar	Rahata	Kalvad Budrvk	7.9	869	565	420	78	55	59	2.67	0	317	117	718.2	9.4	0.46	
15	CGWB	Ahmednagar	Rahata	Kolhar Buprukh	8	3700	2405	595	64	106	1012	1.71	0	512	284	1123.1	63.9	0.44	
16	CGWB	Ahmednagar	Sangamner	BELHALE	7.9	2778	1805	970	104	173	135	5.14	0	195	482	529	60	0.44	
17	CGWB	Ahmednagar	Rahata	Pathre	8	897	583	250	26	45	66	2.5	0	512	99	129.3	10.4	0.44	
18	CGWB	Ahmednagar	Kopargaon	Rawanda	7.9	2445	1589	730	180	68	365	2.16	0	207	539	667.4	50.6	0.43	
19	CGWB	Ahmednagar	Kopargaon	Bhojde	7.7	2985	1940	700	116	100	578	1.83	0	354	581	795.3	45.2	0.43	
20	GSDA	Ahmednagar	Sangamner	Nimgaon paga bk.	7.5	1245	797	400	60	60.8	100.0	5	0.0	396.5	750	40	0	0.4	0.4
21	CGWB	Ahmednagar	Kopargaon	Rajangaon	7.8	542	352	250	48	32	53	0.61	0	250	50	169.4	16.8	0.39	
22	CGWB	Ahmednagar	Sangamner	NIMGAON JALI	8.1	2918	1896	1070	140	175	204	1.37	0	183	709	828.9	54	0.38	
23	CGWB	Ahmednagar	Sangamner	CHINCHOLIGURAV	8.2	1360	884	275	46	39	118	4.94	12	232	230	354	12	0.38	
24	CGWB	Ahmednagar	Sangamner	Sangamner NHS	8.2	1330	864	450	52	78	109	4.39	9	317	163	250	57	0.37	
25	CGWB	Ahmednagar	Shrirampur	Fatiabad	7.8	2769	1800	1030	108	185	335	0.64	0	171	631	665	46.5	0.37	
26	CGWB	Ahmednagar	Sangamner	PAREGAON BZ.	7.8	950	617	335	66	41	83	0.68	0	226	191	316	52	0.36	
27	CGWB	Ahmednagar	Sangamner	TALEGAON	7.8	690	448	190	66	6	79	0.69	0	195	92	141	52	0.36	
28	CGWB	Ahmednagar	Shrirampur	Dighi	7.7	1030	670	460	136	29	76	2.54	0	256	170	340	63.4	0.35	
29	CGWB	Ahmednagar	Sangamner	HANKEWADI	7.9	6288	4087	2460	301	416	337	1.59	0	189	1723	908	48	0.35	
30	GSDA	Ahmednagar	Nagar	Hatwalan.	7.6	505	323	200	50	18.2	28.0	0.1	0.8	224.1	70	10	0	0.35	0.1
31	KOW2017	Ahmadnagar	Akola	Belapur	7.9	1097		403.4	109.6	71.4	28.5	0.5	0.0	256.2	110.5	54	69	0.34	0.0
32	CGWB	Ahmednagar	Shrirampur	Malwadi	7.9	2995	1947	410	80	51	804	3.56	0	500	284	1195.1	63.4	0.34	
33	CGWB	Ahmednagar	Shrirampur	Sirasgaon	7.9	800	520	290	46	43	109	0.74	0	329	74	230.8	43.9	0.34	
34	CGWB	Ahmednagar	Rahata	Ekrukhe	7.7	1485	965	495	68	79	59	4.2	0	470	259	498.1	12.1	0.34	
35	CGWB	Ahmednagar	Rahata	Kolhar Row- 01	8	759	493	205	26	34	149	2.85	0	360	78	214.7	9.6	0.34	
36	CGWB	Ahmednagar	Shrirampur	Valedgaon	8	2968	1929	1165	204	159	51	0.11	0	323	401	271	23	0.33	
37	KOW2017	Ahmadnagar	Akola	Deothan	7.9	1523		433.3	134.5	72.6	56.5	0.4	0.0	292.8	161.9	67	125	0.3	0.0
38	CGWB	Ahmednagar	Sangamner	Chandanapur	8.1	1009	656	395	56	62	85	1.47	0	226	199	80.8	52	0.3	
39	CGWB	Ahmednagar	Sangamner	UMBARI	8.4	3903	2537	440	36	85	415	1.33	15	756	319	908	44	0.3	

SN	Agency	District	Taluka	Village	pH	EC	TDS	TH	Ca	Mg	Na	K	CO3	HCO3	Cl	SO4	NO3	F	Fe
40	CGWB	Ahmednagar	Sangamner	KASARE	8	462	300	130	24	17	58	5.21	0	177	74	60.6	12	0.3	
41	CGWB	Ahmednagar	Sangamner	NANNAJ	7.7	2591	1684	1120	257	117	282	18.52	0	195	425	955	10	0.3	
42	CGWB	Ahmednagar	Sangamner	PRATAPPUR	8	403	262	170	32	22	47	0.47	0	275	35	39.8	10	0.3	
43	KOW2017	Ahmadnagar	Akola	Virgaon	8.1	1357		398.4	119.5	67.8	58.2	7.6	0.0	278.2	128.5	57	86	0.28	0.0
44	CGWB	Ahmednagar	Rahata	Pimpalwadi	7.9	914	594	310	36	53	55	1.6	0	445	89	159.3	52.8	0.28	
45	KOW2017	Ahmadnagar	Akola	Dongargaon	7.7	3329		1075.7	298.8	188.8	140.3	1.3	0.0	190.3	863.6	190	30	0.28	0.0
46	CGWB	Ahmednagar	Shrirampur	Khokar	8	2152	1399	980	184	126	38	0.21	0	323	333	204	28	0.28	
47	CGWB	Ahmednagar	Shrirampur	Bherdapur	7.8	4374	2843	1775	301	249	39	0.11	0	195	748	542	42	0.27	
48	CGWB	Ahmednagar	Shrirampur	Talegaon Kow-08	8	2140	1391	380	76	46	466	2.65	0	153	404	823.4	11	0.27	
49	NHS2016	Ahmednagar	Karjat	Rassin	0	2569	1358	700	112.224	102.1	182.0	30.72	0.0	366.0	467.94	46	233	0.26	0.0
50	CGWB	Ahmednagar	Rahata	Shrirampur	7.8	2085	1355	1000	152	151	118	1.18	0	183	319	896.6	29.6	0.26	
51	CGWB	Ahmednagar	Rahata	Dorde Korhale	8.1	677	440	265	48	35	69	0.52	0	311	71	109.7	12.8	0.26	
52	KOW2017	Ahmadnagar	Akola	Bramhanwada	8.2	605		244	134.5	26.6	15.8	1	0.0	209.8	48.8	31	6	0.26	0.0
53	CGWB	Ahmednagar	Sangamner	JORWE	8.2	2988	1942	310	32	56	324	1.27	12	878	355	908	47	0.25	
54	CGWB	Ahmednagar	Sangamner	CHANEGAON	7.8	3970	2580	1390	281	168	633	32.77	0	281	822	908	16	0.25	
55	CGWB	Ahmednagar	Sangamner	CHOUDHARWADI	8	480	312	190	30	28	41	0.85	0	293	46	58.2	13	0.25	
56	CGWB	Ahmednagar	Sangamner	SADATPUR	8.1	2576	1674	70	76	29	213	3.43	0	464	567	763.5	10	0.25	
57	CGWB	Ahmednagar	Rahata	Pathare Kow-02	7.8	880	572	340	44	56	102	0.38	0	275	135	102.5	42.3	0.24	
58	CGWB	Ahmednagar	Shrirampur	Sirasgaon Kow	8	415	270	170	40	17	47	1.66	0	232	28	47.4	11.9	0.24	
59	CGWB	Ahmednagar	Kopargaon	Kakadi	7.7	2177	1415	970	156	141	177	1.87	0	128	333	795.3	11.6	0.24	
60	CGWB	Ahmednagar	Kopargaon	Kanhagaon Kow-7	7.8	1551	1008	415	78	53	264	1.5	0	281	177	769.1	10.7	0.24	
61	CGWB	Ahmednagar	Shrirampur	Patalwadi	8.1	914	594	145	28	18	167	0.57	0	378	128	161.3	15.7	0.23	
62	NHS2016	Ahmednagar	Shrigonda	Shrigonda	0	1456	773	565	114.228	68.1	50.7	0.55	0.0	262.3	269.42	49	4	0.23	0.0
63	CGWB	Ahmednagar	Sangamner	KAUTHE MALKAPUR	7.9	1212	788	440	84	56	64	0.96	0	311	220	136.6	55	0.22	
64	CGWB	Ahmednagar	Sangamner	MALUNJE	7.5	9264	6021	3800	701	498	402	6.83	0	159	3049	955	11	0.22	
65	CGWB	Ahmednagar	Sangamner	KAUTHE KAMALESHWAR	8.2	646	420	200	34	28	70	1.55	15	311	67	230.5	10	0.22	
66	CGWB	Ahmednagar	Sangamner	NIMON SANGAMER	7.7	374	243	155	50	7	31	0.61	0	226	21	8.2	10	0.22	
67	GSDA	Ahmednagar	Nagar	Takalikazi.	7.5	1990	1274	550	160	36.5	103.0	8	0.0	518.5	194.2	60	0	0.22	0.1
68	CGWB	Ahmednagar	Shrirampur	Lonikhurd R Kow-4	7.8	2730	1775	1010	80	197	293	0.85	0	305	631	751.2	68.1	0.21	
69	CGWB	Ahmednagar	Kopargaon	Ukkadgaon	7.8	3625	2356	1060	136	175	580	4.18	0	201	752	795.3	47.7	0.21	
70	CGWB	Ahmednagar	Shrirampur	Gondagon	8	1273	827	485	74	73	10	0.12	0	92	206	221	42	0.21	
71	KOW2017	Ahmadnagar	Akola	Pimpaldari	8	603		263.9	109.6	37.5	15.2	0.4	0.0	224.5	36	15	23	0.21	0.0
72	KOW2017	Ahmadnagar	Akola	Jambhale	8.2	465		174.3	119.5	13.3	14.6	0.6	0.0	156.2	28.3	23	13	0.21	0.0
73	KOW2017	Ahmadnagar	Akola	Umbarwadi (n.v.)	7.8	498		219.1	164.3	13.3	8.5	1.1	0.0	58.6	100.2	54	6	0.21	0.0
74	NHS2016	Ahmednagar	Jamkhed	Jamkhed-1	0	1955	1038	540	126.252	54.7	104.4	1.07	0.0	213.5	361.59	46	330	0.2	0.0
75	CGWB	Ahmednagar	Kopargaon	Samgw-I Bhosas	7.7	1890	1229	760	130	106	135	1.09	0	244	390	602.4	41.9	0.2	
76	NHS2016	Ahmednagar	Sangamner	Chandanapuri	0	887	470	325	48.096	49.8	42.1	0.7	6.0	158.6	177.25	46	23	0.2	0.0
77	CGWB	Ahmednagar	Kopargaon	Sanvaster	7.6	318	207	115	26	12	37	5.79	0	110	43	48	9.4	0.2	
78	CGWB	Ahmednagar	Sangamner	KOKANGAON	8	1527	992	545	72	89	88	0.73	0	281	347	241	45	0.19	
79	CGWB	Ahmednagar	Shrirampur	Takali Bhan	7.9	1276	829	600	124	70	18	0.05	0	348	163	106	42	0.19	
80	CGWB	Ahmednagar	Sangamner	WAGHJHARI KH.	8.4	623	405	190	22	33	93	4.74	15	372	60	68	10	0.19	

SN	Agency	District	Taluka	Village	pH	EC	TDS	TH	Ca	Mg	Na	K	CO3	HCO3	Cl	SO4	NO3	F	Fe
81	CGWB	Ahmednagar	Sangamner	SHIRAPUR	8.1	826	537	270	40	41	104	0.38	0	293	184	43.1	55	0.18	
82	CGWB	Ahmednagar	Sangamner	JEVELE	8.2	1793	1165	645	50	126	138	1.58	9	275	323	436	52	0.18	
83	CGWB	Ahmednagar	Sangamner	SANGAMNER-COURT	8.2	1361	885	445	36	86	149	0.86	12	427	167	354.9	52	0.18	
84	CGWB	Ahmednagar	Sangamner	Sugar factory	8.4	990	643	285	30	51	119	27.39	12	220	156	502	27	0.18	
85	CGWB	Ahmednagar	Sangamner	SAYKHINDI VILLAGE	8.2	1347	875	385	80	45	161	3.45	9	134	369	93	10	0.18	
86	CGWB	Ahmednagar	Sangamner	WARWANDI	7.7	424	276	90	18	11	42	0.6	0	189	57	54	10	0.18	
87	CGWB	Ahmednagar	Sangamner	SAKUR	8.1	1477	960	475	30	97	152	0.57	0	329	245	454.5	52	0.17	
88	KOW2017	Ahmadnagar	Akola	Paithan	8.2	760		333.7	179.3	37.5	13.0	1.3	0.0	268.4	38.6	24	31	0.17	0.0
89	NHS2016	Ahmednagar	Nevasa	Vadala Bhairoba	0	4027	2138	1400	268.536	177.4	152.0	15.78	0.0	378.2	786.99	47	404	0.16	0.0
90	NHS2016	Ahmednagar	Kopargaon	Rahata	0	1664	882	490	82.164	69.3	105.0	1.17	0.0	256.2	269.42	39	131	0.16	0.0
91	NHS2016	Ahmednagar	Shevgaon	Ghotan	0	415	223	160	32.064	19.4	31.9	1.95	0.0	30.5	77.99	8	71	0.16	0.0
92	CGWB	Ahmednagar	Sangamner	CHINCHPUR KH.	8.1	1378	896	455	54	78	145	0.48	0	354	213	571.6	48	0.16	
93	CGWB	Ahmednagar	Sangamner	TANGADI	8.1	669	435	255	40	38	37	0.75	0	262	89	59.4	44	0.16	
94	CGWB	Ahmednagar	Shrirampur	Bhokar	7.8	2416	1570	945	168	128	16	0.07	0	159	532	165	42	0.16	
95	CGWB	Ahmednagar	Shrirampur	Maliunje Budruk	7.9	3137	2039	1370	265	173	43	0.13	0	287	560	262	41	0.16	
96	CGWB	Ahmednagar	Sangamner	AKLAPUR	8.2	605	393	170	52	10	34	0.46	9	140	113	102	29	0.16	
97	NHS2016	Ahmednagar	Sangamner	Bote	0	1124	596	465	74.148	68.1	38.1	0.19	0.0	176.9	148.89	44	139	0.15	0.0
98	CGWB	Ahmednagar	Sangamner	Nimgaonkhari	7.7	4321	2808	1885	361	239	26	0.39	0	171	1088	262	43	0.15	
99	CGWB	Ahmednagar	Rahata	Petauba	7.8	3364	2187	1300	212	187	27	0.71	0	268	652	227	43	0.15	
100	CGWB	Ahmednagar	Sangamner	MODALWADI	8.2	408	265	155	20	26	43	1.19	6	207	32	15	23	0.15	
101	NHS2016	Ahmednagar	Karjat	Bhitkewadi	0	578	306	230	60.12	19.4	26.7	0.45	0.0	274.5	46.085	26	7	0.15	0.0
102	CGWB	Ahmednagar	Sangamner	NANDUR KHANDARMAL	8.2	822	534	300	40	49	38	2.42	6	116	145	116.3	64	0.14	
103	CGWB	Ahmednagar	Sangamner	POKHARI BALESWAR	8.1	577	375	190	32	27	87	2.08	0	268	64	48.7	10	0.14	
104	CGWB	Ahmednagar	Shrirampur	Matapur	7.8	1581	1028	650	124	83	10	0.23	0	238	206	219	5	0.14	
105	NHS2016	Ahmednagar	Shrirampur	Babhuleshwar	0	405	512	195	38.076	24.3	17.6	0.2	0.0	262.3	28.36	8	12	0.13	0.0
106	CGWB	Ahmednagar	Sangamner	DEOGAON	7.8	4510	2931	1550	281	207	522	1.82	0	159	1305	867.2	64	0.13	
107	CGWB	Ahmednagar	Sangamner	OJHAR	8.1	1125	731	155	18	27	213	1.53	0	445	135	493.9	44	0.13	
108	CGWB	Ahmednagar	Sangamner	NIMGAON BHOJAPUR	8.1	962	625	250	26	45	196	0.5	0	329	142	271.3	31	0.13	
109	CGWB	Ahmednagar	Sangamner	WARUDI PATHAR	8	738	480	300	54	40	68	1.43	0	262	110	213.1	29	0.13	
110	CGWB	Ahmednagar	Sangamner	PIMPALGAON DEPA	7.9	837	544	345	52	52	75	1.21	0	195	103	625.2	24	0.13	
111	CGWB	Ahmednagar	Sangamner	SAROLE PATHAR	7.9	537	349	255	54	29	23	2.45	0	256	67	28.1	20	0.13	
112	CGWB	Ahmednagar	Shrirampur	Belapur(Aynatpur)	7.9	922	599	350	40	61	11	0.06	0	116	142	129	10	0.13	
113	CGWB	Ahmednagar	Sangamner	MAMEKHELWADI	8.1	433	281	180	32	24	40	1.12	0	262	43	18.3	10	0.13	
114	NHS2016	Ahmednagar	Nevasa	Shirasgaon	0	967	513	465	128.256	35.2	24.2	1.06	0.0	219.6	138.255	21	172	0.12	0.0
115	NHS2016	Ahmednagar	Sangamner	Ambikhalsa	0	906	481	255	54.108	29.2	78.0	0.43	0.0	237.9	81.535	37	72	0.12	0.0
116	CGWB	Ahmednagar	Sangamner	KAUTHE KH.	8.1	1218	792	435	44	79	108	0.53	0	336	177	161.7	55	0.12	
117	CGWB	Ahmednagar	Sangamner	MIRPUR LOHARE	8	771	501	265	38	41	95	0.94	0	293	117	124	51	0.12	
118	CGWB	Ahmednagar	Sangamner	MANGALAPUR	8.4	3087	2006	355	28	69	307	0.48	12	683	518	795	48	0.12	
119	CGWB	Ahmednagar	Sangamner	BOTA	8.1	872	567	390	74	50	37	0.88	0	317	145	122.8	48	0.12	
120	CGWB	Ahmednagar	Sangamner	Manjule	8	661	430	295	42	46	6	0.09	0	92	57	134	40	0.12	
121	CGWB	Ahmednagar	Shrirampur	Gujarvadi	8	823	535	340	46	55	9	0.02	0	177	60	126	39	0.12	

SN	Agency	District	Taluka	Village	pH	EC	TDS	TH	Ca	Mg	Na	K	CO3	HCO3	Cl	SO4	NO3	F	Fe
122	CGWB	Ahmednagar	Sangamner	Chanegaon Sangamner	7.8	1247	810	450	44	83	96	3.72	0	287	245	237	28	0.12	
123	CGWB	Ahmednagar	Shrirampur	Dighi	7.8	946	615	430	80	56	7	0.02	0	195	135	137	14	0.12	
124	CGWB	Ahmednagar	Sangamner	MALEGAON	8.2	373	242	130	16	22	40	0.35	12	207	39	19	10	0.12	
125	CGWB	Ahmednagar	Sangamner	DEREWADI	8.2	610	396	180	28	27	97	0.85	12	329	60	43.4	9	0.12	
126	CGWB	Ahmednagar	Shrirampur	khandli	8.1	787	512	300	22	60	10	0.08	0	146	74	86	6	0.12	
127	NHS2016	Ahmednagar	Rahuri	Devlali	0	1121	595	355	78.156	38.9	74.3	2.17	0.0	280.6	113.44	8	112	0.11	0.0
128	CGWB	Ahmednagar	Sangamner	KARHA	8	870	565	310	46	47	87	0.78	0	232	110	127.5	68	0.11	
129	CGWB	Ahmednagar	Sangamner	NIMGAON BK.	8.1	766	498	300	36	51	84	0.81	0	360	78	65.5	52	0.11	
130	CGWB	Ahmednagar	Sangamner	PANODI	7.8	520	338	235	50	27	82	0.47	0	275	46	36.2	25	0.11	
131	CGWB	Ahmednagar	Sangamner	SAVARCHOL	8	495	322	185	28	28	42	1.03	0	287	35	60	10	0.11	
132	NHS2016	Ahmednagar	Jamkhed	Arangaon	0	318	169	130	28.056	14.6	12.8	0.78	0.0	79.3	46.085	7	10	0.11	0.0
133	NHS2016	Ahmednagar	Nevasa	Ghodegaon-1	0	235	124	105	34.068	4.9	7.8	0.55	0.0	97.6	28.36	7	10	0.11	0.0
134	NHS2016	Ahmednagar	Kopargaon	Loni-Pravara Nagar	0	377	199	165	50.1	9.7	15.8	0.18	0.0	134.2	31.905	10	41	0.1	0.0
135	NHS2016	Ahmednagar	Nagar	Dahigaon	0	229	122	95	28.056	6.1	8.6	0.5	0.0	48.8	31.905	7	18	0.1	0.0
136	CGWB	Ahmednagar	Shrirampur	Malvadgaon	7.9	489	318	260	40	39	4	0.01	0	226	25	59	16	0.1	
137	CGWB	Ahmednagar	Shrirampur	patalwadi	8	545	354	265	26	49	6	0.03	0	110	32	104	14	0.1	
138	CGWB	Ahmednagar	Sangamner	WADGAON LANDGA	8.1	455	296	190	24	32	46	0.76	0	195	67	38.7	10	0.1	
139	CGWB	Ahmednagar	Shrirampur	Narsali	8.1	685	445	350	64	46	4	0.07	0	122	53	175	7	0.1	
140	CGWB	Ahmednagar	Shrirampur	Vadalmahadev	8	700	455	355	64	47	5	0.21	0	146	60	157	4	0.1	
141	KOW2017	Ahmadnagar	Akola	Padoshi	7.9	308		149.4	79.7	16.9	5.4	0.8	0.0	131.8	20.6	6	0	0.1	0.0
142	NHS2016	Ahmednagar	Akola	Rajur	0	90	48	50	10.02	6.1	2.5	0.18	0.0	54.9	24.815	7	12	0.09	0.0
143	CGWB	Ahmednagar	Sangamner	MAHASWANDI	7.9	979	636	400	106	33	90	1.38	0	201	156	382.9	64	0.09	
144	CGWB	Ahmednagar	Sangamner	SAMNAPUR	8	1964	1276	755	102	122	119	1.44	0	171	475	606.6	60	0.09	
145	CGWB	Ahmednagar	Sangamner	Rajapur	8.2	2193	1425	480	44	90	413	1.32	18	268	518	625.2	55	0.09	
146	CGWB	Ahmednagar	Shrirampur	Galimb	8	4070	2646	1120	206	147	54	0.23	0	220	666	263	19	0.09	
147	NHS2016	Ahmednagar	Nagar	Jakhangaon	0	568	299	225	54.108	21.9	25.6	0.37	0.0	189.1	77.99	31	19	0.09	0.0
148	CGWB	Ahmednagar	Shrirampur	Naur	7.9	1080	702	505	80	74	12	0.08	0	146	163	156	15	0.09	
149	CGWB	Ahmednagar	Sangamner	MALWADI	8.2	547	355	190	20	34	77	2.41	9	293	53	52.8	11	0.09	
150	NHS2016	Ahmednagar	Nagar	Takle-Kazi	0	247	131	95	26.052	7.3	8.4	0.55	0.0	61.0	31.905	7	8	0.09	0.0
151	CGWB	Ahmednagar	Shrirampur	Gondivani	8	497	323	265	44	38	4	0.09	0	244	25	26	2	0.09	
152	CGWB	Ahmednagar	Shrirampur	khanpur	8.1	613	398	210	36	29	9	0.04	0	134	64	50	1	0.09	
153	KOW2017	Ahmadnagar	Akola	Tale	8.2	396		169.3	119.5	12.1	8.4	1.2	0.0	141.5	23.1	7	3	0.07	0.0
154	KOW2017	Ahmadnagar	Akola	Waghapur	8	672		244	144.4	24.2	20.4	0.6	0.0	163.5	54	35	39	0.06	0.0
155	KOW2017	AHMADNAGAR	Akole	Rtanwadi	8.1	200		94.6	59.8	8.5	4.4	0.7	0.0	92.7	12.9	4	0	0.06	0.0
156	KOW2017	Ahmadnagar	Akola	Khirvire	7.5	171		79.7	44.8	8.5	4.0	0.9	0.0	58.6	12.9	6	4	0.05	0.0
157	KOW2017	Ahmadnagar	Akola	Bari	7.4	169		74.7	39.8	8.5	4.0	0.8	0.0	65.9	10.3	12	3	0.05	0.0
158	KOW2017	Ahmadnagar	Akola	Panjare	7.9	156		64.7	44.8	4.8	3.3	0.6	0.0	61.0	15.4	4	0	0.04	0.0
159	GSDA	Ahmednagar	Shrirampur	Chitali.	7.39	9500	6747	4920	800	709.6	2290.0	8.5	0.0	303.8	276	2925	0	0	0.1
160	GSDA	Ahmednagar	Newasa	Galnimb	7.39	8280	5382	2640	592	281.9	1206.0	8.3	0.0	396.5	66	2600	0	0	0.1
161	GSDA	Ahmednagar	Rahuri	Warshinde	7.6	7370	4800	1700	264	252.7	732.0	84	0.0	591.7	432	840	0	0	0.0
162	GSDA	Ahmednagar	Rahuri	Wambori	7.95	6800	4450	1912	88	411.2	1015.0	6	0.0	703.9	1850	0	0	0	0.6

SN	Agency	District	Taluka	Village	pH	EC	TDS	TH	Ca	Mg	Na	K	CO3	HCO3	Cl	SO4	NO3	F	Fe
163	GSDA	Ahmednagar	Shrirampur	Rampur.	7.85	6700	4355	1360	300.8	147.7	670.0	3.8	0.0	550.2	482	850	0	0	0.2
164	GSDA	Ahmednagar	Rahuri	Umbare	7.81	6300	4095	1600	156.8	293.5	680.0	0.6	0.0	562.4	180	825	0	0	0.1
165	GSDA	Ahmednagar	Kopargaon	Takali	7.35	6270	3760	2152	332.8	320.8	1020.0	5.67	0.0	307.4	130	860	0	0	0.1
166	GSDA	Ahmednagar	Nagar	Shiradhon	7.55	5650	3670	2000	120	413.1	580.0	6.6	0.0	990.6	150	0	0	0	0.4
167	GSDA	Ahmednagar	Sangamner	Ghulewadi.	7.81	5510	3582	1060	224	121.5	1190.0	1.7	0.0	472.1	134	525	0	0	0.1
168	GSDA	Ahmednagar	Nagar	Burudgaon	7.65	5100	3110	1372	88	279.9	560.0	2.1	0.0	585.6	510	0	0	0	0.2
169	GSDA	Ahmednagar	Rahuri	Kolhar kh	7.53	4788	3070	820	80	150.7	810.0	1.7	0.0	640.5	1280	530	0	0	0.0
170	GSDA	Ahmednagar	Newasa	Watapur	8.13	4760	3094	892	120	143.9	320.0	3.1	0.0	506.3	122	292	0	0	0.1
171	GSDA	Ahmednagar	Sangamner	Hangewadi	7.43	4560	2970	732	118.4	105.9	880.0	5.7	0.0	408.7	332	440	0	0	0.0
172	GSDA	Ahmednagar	Sangamner	Chikhali.	7.4	4350	2828	840	192	87.5	735.0	0.2	0.0	492.9	990	575	0	0	0.0
173	GSDA	Ahmednagar	Shrirampur	Kolhar bk	7.41	4300	2790	608	80	99.1	330.0	101.4	0.0	612.4	150	190	0	0	0.0
174	GSDA	Ahmednagar	Newasa	Kukana	7.43	4250	2763	1200	312	102.1	446.0	1.4	0.0	369.7	144	500	0	0	0.1
175	GSDA	Ahmednagar	Nagar	Walaki	7.64	4130	2670	1260	96	247.9	468.0	8.5	0.0	550.2	656	0	0	0	0.2
176	GSDA	Ahmednagar	Rahuri	Kendal kh	7.44	3930	2560	932	148.8	136.1	290.0	2	0.0	459.9	112	370	0	0	0.0
177	GSDA	Ahmednagar	Sangamner	Gunjalwadi.	7.9	3910	2542	860	168	106.9	622.0	0.5	0.0	281.8	1560	400	0	0	0.1
178	GSDA	Ahmednagar	Nagar	Wakodi	7.35	3800	2480	1692	272	245.9	297.0	3.1	0.0	320.9	810	0	0	0	0.2
179	GSDA	Ahmednagar	Kopargaon	Derde korbale.	7.1	3300	1986	1132	118.4	203.1	341.0	2.8	0.0	408.7	126	532	0	0	0.2
180	GSDA	Ahmednagar	Jamkhed	Nanaj.	7.37	3060	1840	1060	244.8	108.9	284.0	26.7	0.0	616.1	86	336	0	0	0.2
181	GSDA	Ahmednagar	Shrigonda	Shedgaon.	7.53	2920	1760	980	216	106.9	277.0	10.8	0.0	359.9	550	588	0	0	0.1
182	GSDA	Ahmednagar	Rahuri	Rahuri Kh.	7.41	2740	1790	592	88	90.4	200.0	2.9	0.0	428.2	170	302	0	0	0.0
183	GSDA	Ahmednagar	Shrigonda	Limpangaon	7.44	2700	1620	880	188.8	99.1	128.0	19.8	0.0	386.7	231	328	0	0	0.0
184	GSDA	Ahmednagar	Karjat	Chichondi kaldat.	7.6	2500	1500	620	124.8	74.8	130.0	17	0.0	342.8	114	312	0	0	0.3
185	GSDA	Ahmednagar	Kopargaon	Shahajapur.	7.81	2450	1470	880	80	165.2	197.0	3.1	0.0	237.9	174	458	0	0	0.1
186	GSDA	Ahmednagar	Newasa	Belpandhari	7.53	2440	1586	952	174.4	125.4	216.0	2.1	0.0	241.6	400	530	0	0	0.0
187	GSDA	Ahmednagar	Newasa	Wadala bahiroba	7.5	2280	1482	840	220.8	70.0	196.0	8.4	0.0	470.9	360	308	0	0	0.0
188	GSDA	Ahmednagar	Rahuri	Rahuri bk	7.99	2210	1437	484	70.4	74.8	75.2	2.7	0.0	388.0	368	125	0	0	0.1
189	GSDA	Ahmednagar	Kopargaon	Puntamba	7.75	2190	1424	524	96	69.0	259.0	2	0.0	475.8	138	185	0	0	0.1
190	GSDA	Ahmednagar	Shrirampur	Eklahare	7.94	2190	1424	540	70.4	88.5	88.8	1	0.0	373.3	30	230	0	0	0.1
191	GSDA	Ahmednagar	Nagar	Arangaon	7.24	2090	1250	632	136	71.0	174.1	2.25	0.0	372.1	250	236	0	0	0.3
192	GSDA	Ahmednagar	Kopargaon	Dhamori.	7.42	2080	1250	356	32	67.1	152.0	1.09	0.0	280.6	36	136	0	0	0.1
193	GSDA	Ahmednagar	Nagar	Pargaonmaulla	7.41	2050	1340	800	192	77.8	132.0	2.6	0.0	241.6	180	0	0	0	0.2
194	GSDA	Ahmednagar	Nagar	Nepti	7.53	1942	1166	604	65.6	106.9	79.7	0.9	0.0	461.2	170	184	0	0	0.1
195	GSDA	Ahmednagar	Sangamner	Nimgaonjali.	7.09	1930	1260	340	72	38.9	226.0	0.6	0.0	240.3	28	154	0	0	0.0
196	GSDA	Ahmednagar	Sangamner	Chandanapuri.	8.03	1863	1211	468	86.4	61.2	185.0	0.5	0.0	290.4	142	128	0	0	0.1
197	GSDA	Ahmednagar	Shevgaon	Hingangaon ne	7.6	1858	1208	760	116.8	113.7	128.0	0.6	0.0	351.4	40	323	0	0	0.1
198	GSDA	Ahmednagar	Karjat	Jalalpur.	7.49	1850	1120	636	102.4	92.3	140.0	10.4	0.0	361.1	816	284	0	0	0.1
199	GSDA	Ahmednagar	Pathardi	Kasar Pimpalgaon	7.15	1840	1190	772	67.2	146.8	70.6	1.7	0.0	491.7	240	352	0	0	0.0
200	GSDA	Ahmednagar	Nagar	Kamargaon	7	1820	1090	620	180.8	40.8	139.0	0.71	0.0	385.5	234	206	0	0	0.3
201	GSDA	Ahmednagar	Nagar	Deulgaonsiddhi	7.35	1770	1050	452	96	51.5	118.0	21.8	0.0	320.9	210	219	0	0	1.0
202	GSDA	Ahmednagar	Rahuri	Deolali	7.65	1660	1079	576	84.8	88.5	172.0	1.1	0.0	405.0	231	165	0	0	0.1
203	GSDA	Ahmednagar	Shrigonda	Deodaithan.	7.57	1590	950	392	57.6	60.3	95.9	0.5	0.0	400.2	1300	75	0	0	0.1

SN	Agency	District	Taluka	Village	pH	EC	TDS	TH	Ca	Mg	Na	K	CO3	HCO3	Cl	SO4	NO3	F	Fe
204	GSDA	Ahmednagar	Shrirampur	Shrirampur	7.72	1534	997	606	104	84.1	89.6	0.3	0.0	439.2	98	115	0	0	0.1
205	GSDA	Ahmednagar	Akole	Unch khadak.	7.91	1517	986	592	124.8	68.0	160.0	1.1	0.0	246.4	300	268	0	0	0.0
206	GSDA	Ahmednagar	Parner	Devibhoire	7.42	1515	909	392	48	66.1	119.0	3.88	0.0	311.1	124	148	0	0	0.2
207	GSDA	Ahmednagar	Shrigonda	Bori.	7.23	1485	892	398	30.4	78.2	98.0	58	0.0	395.3	212	144	0	0	0.2
208	GSDA	Ahmednagar	Shrirampur	Takalibhan.	7.25	1481	963	268	28.8	47.6	59.0	15.9	0.0	306.2	464	0	0	0	0.1
209	GSDA	Ahmednagar	Parner	Chambut.	8.07	1473	958	400	36.8	74.8	152.0	2.2	0.0	368.4	176	130	0	0	0.0
210	GSDA	Ahmednagar	Parner	Deswade	7.69	1455	873	324	41.6	53.5	111.0	0.4	0.0	269.6	1040	70	0	0	0.1
211	GSDA	Ahmednagar	Karjat	Babulgaon khalasa	7.25	1434	934	492	76.8	72.9	87.1	2.4	0.0	268.4	276	164	0	0	0.0
212	GSDA	Ahmednagar	Akole	Parakadpur	7.43	1424	927	448	59.2	72.9	98.1	0.2	0.0	312.3	96	106	0	0	0.0
213	GSDA	Ahmednagar	Rahuri	Digras	8.69	1412	924	232	12.8	48.6	100.0	0.6	31.2	241.6	152	0	0	0	0.1
214	GSDA	Ahmednagar	Shrirampur	Babhaleshwar bk	7.49	1403	914	436	121.6	32.1	158.0	0.4	0.0	256.2	1382	154	0	0	0.0
215	GSDA	Ahmednagar	Sangamner	Sarola pathar.	7.84	1398	912	508	43.2	97.2	78.4	4.5	0.0	468.5	14	55	0	0	0.0
216	GSDA	Ahmednagar	Karjat	Rashin.	7.59	1382	829	424	86.4	50.5	95.6	8.2	0.0	236.7	906	93	0	0	0.2
217	GSDA	Ahmednagar	Akole	Tahakali	7.92	1368	889	612	169.6	45.7	112.0	8	0.0	259.9	196	308	0	0	0.0
218	GSDA	Ahmednagar	Shrirampur	Khokar.	7.95	1359	883	440	51.2	75.8	79.7	12.7	0.0	430.7	138	63	0	0	0.1
219	GSDA	Ahmednagar	Nagar	Jakhangaon	7.43	1328	797	508	73.6	78.7	73.0	0.46	0.0	285.5	240	245	0	0	0.2
220	GSDA	Ahmednagar	Shevgaon	Khanapur	7.7	1310	853	400	84.8	45.7	71.4	1.8	0.0	287.9	550	152	0	0	0.0
221	GSDA	Ahmednagar	Karjat	Nimgaondaku.	7.73	1298	779	308	33.6	54.4	107.1	2.6	0.0	395.3	410	15.3	0	0	0.4
222	GSDA	Ahmednagar	Nagar	Mehekari	7.4	1288	840	395	66	55.9	61.0	0.1	0.0	390.4	355	26	0	0	0.2
223	GSDA	Ahmednagar	Shrirampur	Belapur bk	7.62	1261	820	432	56	71.0	98.2	0.7	0.0	320.9	66	118	0	0	0.1
224	GSDA	Ahmednagar	Nagar	Jeur	7.7	1260	819	500	113.6	52.5	159.0	0.6	0.0	355.0	180	135	0	0	0.1
225	GSDA	Ahmednagar	Newasa	Babulwedhe	7.49	1222	794	440	100.8	45.7	94.7	10.4	0.0	334.3	174	120	0	0	0.0
226	GSDA	Ahmednagar	Newasa	Suregaon dahigaon	7.65	1153	749	426	112	35.5	80.6	0.2	0.0	325.7	130	124	0	0	0.1
227	GSDA	Ahmednagar	Shevgaon	Karjat kh	7.81	1138	740	392	67.2	54.4	77.7	17.6	0.0	417.2	128	57	0	0	0.0
228	GSDA	Ahmednagar	Nagar	Hatwalan	7.07	1128	738	383	38.4	69.7	118.0	2.6	0.0	303.8	203.3	85	0	0	0.1
229	GSDA	Ahmednagar	Newasa	Newasa kh	8.09	1125	731	464	44.8	85.5	68.3	0.9	0.0	369.7	106	158	0	0	0.0
230	GSDA	Ahmednagar	Nagar	Bolhegaon	7.74	1085	651	348	100.8	23.3	55.0	0.89	0.0	233.0	142	82	0	0	0.5
231	GSDA	Ahmednagar	Shrirampur	Undirgaon.	7.83	1049	682	440	88	53.5	48.4	0.6	0.0	408.7	96	92.5	0	0	0.2
232	GSDA	Ahmednagar	Akole	Takali	8.19	1033	671	404	80	49.6	89.3	0.7	0.0	225.7	136	197	0	0	0.0
233	GSDA	Ahmednagar	Rahuri	Tambhere	7.75	1033	671	320	65.6	37.9	62.8	6.2	0.0	319.6	82	70	0	0	0.0
234	GSDA	Ahmednagar	Sangamner	Maldad.	7.84	1019	662	300	76.8	26.2	74.7	0.3	0.0	184.2	236	90	0	0	0.1
235	GSDA	Ahmednagar	Parner	Tas	7.84	999	599	332	52.8	48.6	72.0	0.55	0.0	337.9	1690	31.7	0	0	0.1
236	GSDA	Ahmednagar	Parner	Vadzire.	7.55	972	583	336	48	52.5	65.7	0.52	0.0	184.2	56	114	0	0	0.3
237	GSDA	Ahmednagar	Sangamner	Kasare	7.75	972	633	300	54.4	39.9	66.5	0.5	0.0	240.3	1054	70	0	0	0.0
238	GSDA	Ahmednagar	Kopargaon	Kolpewadi	7.89	957	622	384	73.6	48.6	73.8	0.3	0.0	281.8	826	109	0	0	0.2
239	GSDA	Ahmednagar	Rahuri	Warvandi	7.75	946	617	356	51.2	55.4	39.5	5.3	0.0	359.9	282	36	0	0	0.0
240	GSDA	Ahmednagar	Shevgaon	Bodhegaon.	7.81	940	611	312	76.8	29.2	40.9	10.2	0.0	279.4	260	73	0	0	0.1
241	GSDA	Ahmednagar	Shrirampur	Rajankhol	7.73	929	604	376	89.6	36.9	43.3	1.8	0.0	381.9	3012	59	0	0	0.1
242	GSDA	Ahmednagar	Shrigonda	Chimbale.	7.75	823	536	194	64	8.3	33.2	132	0.0	323.3	288	60	0	0	0.1
243	GSDA	Ahmednagar	Jamkhed	Arangaon	7.44	822	493	268	48	36.0	38.8	1.1	0.7	263.3	54	60	0	0	0.8
244	GSDA	Ahmednagar	Shrirampur	Khirdi	7.73	813	528	296	70.4	29.2	49.7	0.4	0.0	286.7	342	59	0	0	0.1

SN	Agency	District	Taluka	Village	pH	EC	TDS	TH	Ca	Mg	Na	K	CO3	HCO3	Cl	SO4	NO3	F	Fe
245	GSDA	Ahmednagar	Rahuri	Kanghar bk	7.71	790	514	276	57.6	32.1	23.8	2.2	0.0	303.8	1666	18	0	0	0.1
246	GSDA	Ahmednagar	Shevgaon	Antrawali bk	7.64	739	481	312	52.8	43.7	34.9	0.7	1.2	294.8	18	54.1	0	0	0.0
247	GSDA	Ahmednagar	Parner	Alkuti	7.5	735	479	270	63.2	27.2	47.8	0.5	0.8	259.2	206	20	0	0	0.1
248	GSDA	Ahmednagar	Shrirampur	Loni kh	7.95	690	449	256	35.2	40.8	41.6	0.9	2.2	267.7	64	29.5	0	0	0.0
249	GSDA	Ahmednagar	Shrirampur	Wadala mahadeo.	7.85	641	417	296	49.6	41.8	20.1	2.2	2.1	315.9	36	32	0	0	0.1
250	GSDA	Ahmednagar	Shevgaon	Antre	8.39	622	404	320	40	53.5	13.4	0.8	8.3	361.5	70	7.3	0	0	0.0
251	GSDA	Ahmednagar	Akole	Maveshi.	7.55	494	322	248	43.2	34.0	19.7	0.3	0.7	219.3	200	9.7	0	0	0.0
252	GSDA	Ahmednagar	Akole	Kalas kh.	8.15	400	260	178	59.2	7.3	16.2	0.5	2.5	191.4	22	20.5	0	0	0.0
253	GSDA	Ahmednagar	Akole	Waki	7.61	285	185	156	36.8	15.6	8.6	0.5	0.5	119.5	164	5.6	0	0	0.0

### Annexure - VI: Chemical analysis of ground water samples, deeper aquifers

SN	Agency	District	Taluka	Village	pH	EC	TDS	TH	Ca	Mg	Na	K	CO3	HCO3	Cl	SO4	NO3	F
1		Ahmednagar	Shrirampur	Padegaon Pyt	7.8	685	445	215	58	17	70	0.67	0	110	99	87	40	0.09
2		Ahmednagar	Rahata	Adgaon Ew	7.9	902	586	365	78	41	47	0.71	0	159	142	139	44	0.1
3	GWE	Ahmednagar	Parner	Alkuti	7.7	1240	700	300	98	13.0	143.0	0.1	0.0	373.0	142	90	20	NA
4	GWE	Ahmednagar	Parner	Alkuti	8	1100	660	220	64	14.0	150.0	2	0.0	189.0	149	139	47	NA
5	GWE	Ahmednagar	Shrirampur	Ambi Amelner	8.4	900	1080	335	10	75.0	253.0	12	0.0	189.0	249	379	NA	NA
6	GSDA	Ahmednagar	Nagar	Ambilwadi	7.49	2570	1671	480	72	72.9	160.0	51	0.0	594.1	104	0	0	0
7	1990-91	Ahmednagar	Nagar	Arangaon	7.31	2200	1408	0	0	0.0	0.0	0	0.0	0.0	0	0	0	0
8	GSDA	Ahmednagar	Shrirampur	Bableshwar	7.54	1429	929	440	68.8	65.1	178.0	0.2	0.0	306.2	278	129	0	0
9	GWE	Ahmednagar	Nagar	Bambordi (Ghumat)	7.8	2404	1011	1005	162	146.0	9.0	0.3	0.0	104.0	397	302	68	BDL
10	GSDA	Ahmednagar	Karjat	Baradgaon sudrik	7.54	589	383	276	48	37.9	22.5	0.2	1.0	305.0	78	19	0	0
11	GSDA	Ahmednagar	Newasa	Belpimpalgaon	7.35	1729	1128	480	160	19.4	182.0	0.5	0.0	403.8	238	95	0	0
12	GWE	Ahmednagar	Biloli	BelwaNAi	7.9	930	575	125	44	4.0	152.0	1	0.0	79.0	131	200	NA	NA
13	1993-94	Ahmednagar	Shrigonda	Belwandi	7.96	900	540	145	38	12.0	138.0	1	0.0	61.0	170	150	0	0
14		Ahmednagar	Nevasa	Bhalgaon	7.9	1650	2200	630	18	55.0	253.0	8.19	21.0	305.0	130	350	0	0
15	1992-93	Ahmednagar	Shevgaon	Bhatkudgaon	8.36	960	525	270	64	27.0	95.0	1	18.0	281.0	92	76	10	0
16	GWE	Ahmednagar	Shevgaon	Bodhegaon	8.2	2440	1480	460	172	7.0	347.0	1	0.0	67.0	567	350	NA	NA
17	GWE	Ahmednagar	Shevgaon	Bodhegaon	7.7	2260	1355	375	144	4.0	345.0	1.2	0.0	98.0	550	260	NA	NA
18	1978-79	Ahmednagar	Nagar	Borwadi	7.85	690	400	290	64.13	31.6	41.4	0.39	0.0	274.6	70.92	53.31	0	0.48
19	GWE	Ahmednagar	Nagar	Borwadi	7.9	690	400	290	64	32.0	41.0	0.4	0.0	275.0	71	53	NA	0.48
20	1993-94	Ahmednagar	Sangamner	Bota	8.2	440	288	60	20	2.4	7.3	0	0.0	134.0	60	25	3.2	0
21	1993-94	Ahmednagar	Sangamner	Bota	8.2	830	627	245	52	28.0	79.0	1.2	0.0	262.0	82	85	2.4	0
22	GSDA	Ahmednagar	Sangamner	Bota	7.74	1144	744	448	36.8	86.5	47.2	0.8	0.0	470.9	78	72	0	0
23	GWE	Ahmednagar	Rahuri	Brahmangaon	8.2	950	1060	515	30	107.0	161.0	31	0.0	165.0	259	389	NA	NA
24	1990-91	Ahmednagar	Rahuri	Brahmani	8	1110	590	340	58	47.0	95.0	0	0.0	360.0	131	50	20	0
25	GWE	Ahmednagar	Rahuri	Brahmani	9.52	780	430	265	60	28.0	58.0	0.1	30.0	128.0	117	60	12	NA
26	GWE	Ahmednagar	Nagar	Chas	8	1090	468	485	54	85.0	10.0	0.3	0.0	439.0	78	68	7	0.8
27		Ahmednagar	Kopargaon	Chasnali Ew	7.6	7207	4685	3100	1222	12	570	20.1	0	366	2198	439	56	0.35
28		Ahmednagar	Kopargaon	Chasnali PYT	7.6	8806	5724	4100	1222	255	275	89	0	366	2659	388	58	0.46
29	GWE	Ahmednagar	Nagar	Chincholi Patil	7.6	975	413	440	64	68.0	8.0	0.3	0.0	159.0	124	158	46	0.2
30		Ahmednagar	Rahata	Dadh Ew	7.3	4388	2852	1600	637	2	416	2.08	0	67	1067	915	11	0.66
31	GSDA	Ahmednagar	Kopargaon	Dahigaon bolka	7.93	587	382	216	43.2	26.2	61.2	6.4	2.0	249.0	104	36	0	0
32	1978-79	Ahmednagar	Parner	Daithan Gunjal	7.95	525	305	92.5	31.06	3.7	82.8	1.56	0.0	219.6	37.23	40.35	0	0
33	GWE	Ahmednagar	Parner	Daithan Gunjal	8	525	305	93	31	4.0	83.0	1.6	0.0	220.0	37	40	NA	NA
34		Ahmednagar	Kopargaon	Darde Ew	7.7	3406	2214	805	277	28	530	26.1	0	92	879	819	40	0.35
35	GWE	Ahmednagar	Nagar	Dehre	7.6	2661	1138	1065	54	226.0	24.0	0.1	0.0	293.0	284	502	68	0.8
36	GWE	Ahmednagar	Akole	Deothan	8.1	840	420	290	22	57.0	56.0	2	0.0	329.0	92	15	6	NA
37	GWE	Ahmednagar	Nagar	Deulgaon Sidhi	7.9	415	187	210	34	30.0	4.0	0.3	0.0	195.0	28	BDL	BDL	0.3
38	GSDA	Ahmednagar	Parner	Dhavalpuri	7.73	2080	1352	328	99.2	19.4	260.0	1.5	0.0	307.4	52	0	0	0
39	GSDA	Ahmednagar	Karjat	Dombalwadi	7.71	685	445	132	36.8	9.7	47.7	0.2	0.6	130.3	76	16	0	0



SN	Agency	District	Taluka	Village	pH	EC	TDS	TH	Ca	Mg	Na	K	CO3	HCO3	Cl	SO4	NO3	F
40		Ahmednagar	Rahata	Ekrukhe Ew	7.7	2527	1643	740	281	10	230	501	0	159	656	674	10	0.1
41		Ahmednagar	Kopargaon	Georail Ew	7.8	1418	922	485	102	56	117	4.28	0	165	252	158	58	0.1
42	GSDA	Ahmednagar	Shrigonda	Ghargaoon	7.71	965	627	260	35.2	41.8	50.9	19	0.0	400.2	300	0	0	0
43		Ahmednagar	Shrigonda	Ghoghargaon	7.31	1600	1024	0	0	0.0	0.0	0	0.0	0.0	74.47	0	0	0
44	1978-79	Ahmednagar	Shrigonda	Ghoghargaon	7.45	1360	1360	0	0	0.0	0.0	0	0.0	0.0	453.88	0	0	0
45	1992-93	Ahmednagar	Shevgaon	Ghotan	8	1500	890	365	120	16.0	173.0	5	0.0	201.0	241	225	8.5	0
46	GSDA	Ahmednagar	Shevgaon	Ghotan	7.75	1715	1115	588	132.8	62.2	108.0	24.5	0.0	352.6	200	182	0	0
47	GSDA	Ahmednagar	Sangamner	Ghulewadi	7.31	1770	1150	500	120	48.6	182.0	0.7	0.0	416.0	294	93	0	0
48	GSDA	Ahmednagar	Newasa	Gidegaon	7.44	1028	668	300	62.4	35.0	78.2	1.1	0.0	206.2	148	82	0	0
49	GSDA	Ahmednagar	Rahuri	Guha	7.55	1665	1082	376	145.6	2.9	150.0	0.8	0.0	259.9	250	178	0	0
50	GWE	Ahmednagar	Nagar	Jadhav Wadi	8	1577	705	835	66	163.0	17.0	0.1	0.0	140.0	252	263	58	0.4
51	GSDA	Ahmednagar	Nagar	Jakhangaon	7.9	1015	662	224	41.6	29.2	42.8	0.6	0.0	164.7	64	74	0	0
52	GSDA	Ahmednagar	Jamkhed	Jamkhed	7.41	1013	658	376	80	42.8	44.4	0.1	0.0	452.6	80	87	0	0
53	1979-80	Ahmednagar	Jamkhed	Jawala (E)	7.4	735	735	0	0	0.0	0.0	0	0.0	0.0	24.82	0	0	0
54	GSDA	Ahmednagar	Newasa	Karegaon	7.2	734	477	250	60.8	23.8	30.2	6.1	0.3	232.6	296	44	0	0
55	GSDA	Ahmednagar	Sangamner	Karhe	7.57	1575	1024	448	137.6	25.3	55.0	0.6	0.0	386.7	100	97	0	0
56	GSDA	Ahmednagar	Sangamner	Karjule pathar	7.95	575	374	220	22.4	39.9	46.8	0.6	1.5	174.5	90	47	0	0
57	GSDA	Ahmednagar	Sangamner	Karjule pathar	7.24	1336	868	412	105.6	36.0	96.9	2	0.0	211.1	340	121	0	0
58	1990-91	Ahmednagar	Nevasa	Karwandi	8.3	810	500	165	56	6.0	108.0	0	0.0	128.0	82	150	30	0
59	1990-91	Ahmednagar	Nevasa	Karwandi	8.1	1160	720	240	74	13.0	154.0	0	0.0	110.0	142	245	37	0
60	1993-94	Ahmednagar	Karjat	Karzat	8.62	1050	725	195	54	15.0	148.0	4.7	15.0	159.0	216	60	7.2	0
61		Ahmednagar	Sangamner	Kauthe APT Ew	8.3	570	371	235	52	26	58	0.58	6	214	50	98	47	0.17
62	GSDA	Ahmednagar	Sangamner	Kauthe malkapur	8.11	694	439	160	30.4	20.4	33.0	0.3	2.1	170.9	44	11	0	0
63	GWE	Ahmednagar	Nagar	Khatgaon Takli	7.8	2914	1252	1195	220	157.0	25.0	0.2	0.0	67.0	503	496	58	0.1
64	1978-79	Ahmednagar	Nagar	Khaudgaon	7.9	665	380	158	50	7.9	89.7	0.78	0.0	323.4	15.56	9.84	0	0
65	1993-94	Ahmednagar	Akole	Kotul	8.26	1480	1176	585	114	73.0	61.0	11	0.0	518.0	142	100	18	0
66		Ahmednagar	Sangamner	Kouthe Ew	8.1	518	337	140	20	22	85	1.11	0	140	71	90	50	0.09
67		Ahmednagar	Rahata	Loni Ew	7.8	2933	1906	1020	395	9	245	0.54	0	49	730	423	11	0.14
68		Ahmednagar	Rahata	Loni Ow	7.8	373	242	75	26	2	42	0.35	0	98	32	46	11	0.09
69		Ahmednagar	Rahata	Loni APT Ew	7.8	2528	1643	940	317	36	233	1.72	0	67	603	439	11	0.29
70	1990-91	Ahmednagar	Parner	Loni Haveli	7.88	870	510	225	82	5.0	90.0	6	0.0	262.0	67	80	45	0
71	GSDA	Ahmednagar	Kopargaon	Mahegaon deshमुख	7.21	7920	5148	1620	283.2	221.6	1000.0	5.8	0.0	462.4	1376	1350	0	0
72		Ahmednagar	Shrirampur	Malewadi Ew	7.6	470	306	95	26	7	114	1.35	0	165	78	104	17	0.11
73	1990-91	Ahmednagar	Sangamner	Malunje	8.21	1360	850	145	52	4.0	244.0	0	0.0	159.0	177	250	43	0
74	GSDA	Ahmednagar	Nagar	Mandve	7.59	778	506	200	24	34.0	20.9	1.4	0.0	233.0	84	0	0	0
75	GSDA	Ahmednagar	Parner	Mandve kh	8	551	359	182	43.2	18.0	23.5	5	1.8	188.2	44	15	0	0
76		Ahmednagar	Rahuri	Manjri	8	630	320	225	42	29.0	32.0	4	0.0	165.0	89	38	0	0
77	GWE	Ahmednagar	Rahuri	Manjri	8	630	320	225	42	29.0	32.0	4	0.0	165.0	89	38	NA	NA
78	1992-93	Ahmednagar	Shrigonda	Matarpimpri	8.21	710	400	130	40	7.0	99.0	5	0.0	232.0	78	40	14	0
79	GWE	Ahmednagar	Shrigonda	Matarpimpri	8.2	710	400	130	40	7.0	99.0	5	0.0	232.0	78	40	14	NA
80	GSDA	Ahmednagar	Sangamner	Mirzapur	7.43	1019	662	304	52.8	41.8	52.0	0.2	0.0	351.4	98	32	0	0

SN	Agency	District	Taluka	Village	pH	EC	TDS	TH	Ca	Mg	Na	K	CO3	HCO3	Cl	SO4	NO3	F
81	1979-80	Ahmednagar	Jamkhed	Nagalwadi	7	534	534	0	0	0.0	0.0	0	0.0	0.0	28.37	0	0	0
82	1979-80	Ahmednagar	Jamkhed	Nagalwadi	8.25	250	250	0	0	0.0	0.0	0	0.0	0.0	24.82	0	0	0
83	1979-80	Ahmednagar	Jamkhed	Nagalwadi	8.35	265	265	0	0	0.0	0.0	0	0.0	0.0	0	0	0	0
84	1979-80	Ahmednagar	Jamkhed	Nagalwadi	8.7	240	240	0	0	0.0	0.0	0	0.0	0.0	24.82	0	0	0
85	1991-92	Ahmednagar	Sangamner	Namgaonjali	7.5	2050	1200	355	42	61.0	300.0	15	0.0	159.0	468	220	5	0
86	GSDA	Ahmednagar	Nagar	Nandgaon	7.65	1373	892	280	102.4	5.8	154.0	0.8	0.0	83.7	0	0	0	0
87	1990-91	Ahmednagar	Sangamner	Nathuchiwadi	6.7	12500	7000	4040	1050	345.0	1012.0	6	0.0	73.0	3943	600	6	0
88		Ahmednagar	Shrirampur	Newkamalpur	8.45	3300	1970	215	16	43.0	661.0	3.1	12.0	622.0	426	500	0	0
89	GWE	Ahmednagar	Shrirampur	Newkamalpur	8.5	3300	1970	215	16	43.0	661.0	3.1	12.0	622.0	426	500	NA	NA
90	GSDA	Ahmednagar	Parner	Nijhoj	7.3	939	613	280	54.8	34.7	67.3	0.8	0.0	228.1	150	46	0	0
91		Ahmednagar	Rahuri	Nimbhari	7.5	1850	1020	635	124	79.0	79.0	122	0.0	232.0	312	259	0	0
92	GWE	Ahmednagar	Rahuri	Nimbhari	7.5	1850	1020	635	124	79.0	79.0	122	0.0	232.0	312	259	NA	NA
93	GWE	Ahmednagar	Rahuri	Nimbhari	7.7	1500	870	575	120	67.0	81.0	0.1	0.0	153.0	283	278	NA	NA
94	GWE	Ahmednagar	Nagar	Nimblak	7.7	1464	624	675	62	126.0	10.0	0.1	0.0	146.0	181	339	58	0.3
95		Ahmednagar	Shrirampur	Nimgaon Ew	8	886	576	365	54	56	46	0.86	0	134	135	165	46	0.1
96	1990-91	Ahmednagar	Nagar	Nimgaon Ghana	8.15	1440	860	355	90	32.0	161.0	12	0.0	384.0	85	250	30	0
97	1990	Ahmednagar	Sangamner	Nimgaon Ghand	8.2	1440	860	355	90	32	161	12	0	384	85	250	30	NA
98	GWE	Ahmednagar	Nagar	Nimgaon Vagha	7.3	1536	655	675	88	111.0	19.0	0.1	0.0	159.0	277	256	BDL	0.2
99	GWE	Ahmednagar	Nevasa	Niwasa Bk	7.7	1250	705	365	56	55.0	112.0	8	0.0	26.0	117	225	NA	NA
100		Ahmednagar	Shrirampur	Padegaon Ew	7.4	3553	2309	1750	641	36	229	2.53	0	171	1156	242	21	0.09
101	1993-94	Ahmednagar	Akole	Panshet	7.5	270	150	55	20	1.0	35.0	0	0.0	98.0	18	24	2	0
102	GSDA	Ahmednagar	Pathardi	Pathardi	7.25	1454	945	436	108.8	39.9	97.7	0.4	0.0	352.6	170	66	0	0
103	GWE	Ahmednagar	Shrirampur	Pathre Khurd	7.9	3400	2200	630	112	85.0	403.0	11	0.0	79.0	674	400	NA	NA
104	GWE	Ahmednagar	Junnar	Pempalgaon Malvi	7.7	2111	911	930	120	153.0	24.0	0.2	0.0	122.0	308	452	68	1.1
105	1989-93	Ahmednagar	Nagar	Pimpalgaon	7.6	730	440	175	32	23.0	87.0	1	0.0	183.0	53	75	80	0
106	GWE	Ahmednagar	Nagar	Pimpalgaon Kotha	8	775	335	365	32	69.0	10.0	0.1	0.0	256.0	71	17	31	1.1
107	GWE	Ahmednagar	Junnar	Pimpalgaon Malvi	7.7	2118	905	1235	120	227.0	24.0	0.2	0.0	128.0	305	793	68	0.3
108		Ahmednagar	Rahata	Pimpri Narmal Ew	7.6	3040	1976	1235	387	66	116	1.92	0	85	656	457	11	0.12
109	GSDA	Ahmednagar	Kopargaon	Pohegaon	8.09	822	534	236	38.4	34.0	75.0	23	0.0	251.3	136	73	0	0
110		Ahmednagar	Rahata	Puntambe Ew	7.5	2479	1611	805	261	38	233	2.87	0	238	482	381	56	0.09
111	GSDA	Ahmednagar	Kopargaon	Rahata	7.65	936	608	320	59.2	41.8	84.4	1.9	0.0	303.8	319	58	0	0
112	1992-93	Ahmednagar	Rahata	Rahata	7.98	1560	920	420	132	22.0	161.0	2.3	0.0	73.0	337	225	0	0
113		Ahmednagar	Rahata	Rahata Ew	8	913	593	265	32	45	140	0.85	0	287	149	161	16	0.17
114		Ahmednagar	Rahata	Rahata Ew	7.8	650	423	215	44	26	17	0.94	0	104	92	51	10	0.09
115		Ahmednagar	Rahata	Rahata Ew	8.1	628	408	200	56	15	56	0.55	0	165	85	57	10	0.1
116		Ahmednagar	Rahata	Rahata Ow	7.7	1207	785	410	86	47	165	1.21	0	214	202	218	29	0.11
117	GSDA	Ahmednagar	Sangamner	Raitewadi	7.13	2240	1460	528	195.2	9.7	330.0	0.6	0.0	211.1	621	95	0	0
118	GSDA	Ahmednagar	Shrigonda	Rajapur	7.5	798	520	316	91.6	21.1	62.0	0.7	0.0	302.6	110	35	0	0
119	1993-94	Ahmednagar	Akole	Rajura	8.15	1560	910	465	174	7.0	138.0	10	0.0	403.0	174	160	42	0
120	1979-80	Ahmednagar	Beed	Ralegaon (E)	8.3	490	490	0	0	0.0	0.0	0	0.0	0.0	124.11	0	0	0
121	GSDA	Ahmednagar	Karjat	Rashin	7.5	655	426	212	46.4	23.3	45.0	0.6	0.7	229.3	70	17	0	0

SN	Agency	District	Taluka	Village	pH	EC	TDS	TH	Ca	Mg	Na	K	CO3	HCO3	Cl	SO4	NO3	F
122	1992-93	Ahmednagar	Karjat	Rassin	7.96	1960	1180	375	138	7.0	276.0	2	0.0	30.0	489	250	2	0
123	GSDA	Ahmednagar	Sangamner	Sangamner	7.79	1870	1220	400	59.2	61.2	160.0	3.9	0.0	280.6	38	126	0	0
124		Ahmednagar	Rahata	Savalivir Ew	8.3	1280	832	275	50	36	183	22.3	9	98	209	276	56	0.14
125	1978-79	Ahmednagar	Nagar	Sawedi	9	3300	2400	120	26.05	13.4	828.0	4.3	57.0	640.6	289	862.62	0	0.91
126	1992-93	Ahmednagar	Kopargaon	Shajapur	7.48	2000	1175	485	190	2.4	230.0	4	0.0	73.0	521	190	1.3	0
127	GSDA	Ahmednagar	Shevgaon	Shevgaon	7.85	418	272	180	32	24.3	25.9	2.2	1.2	178.8	48	16	0	0
128	GSDA	Ahmednagar	Shrigonda	Shrigonda	7.33	1139	740	340	59.2	46.7	91.1	2.5	0.0	215.9	290	0	0	0
129	1992-93	Ahmednagar	Karjat	Siddhatek	8.3	2100	1325	505	106	78.0	213.0	5	0.0	146.0	145	700	5	0
130	1989-92	Ahmednagar	Nagar	Singwekeshan	8	1230	735	320	42	52.0	136.0	1	0.0	226.0	117	200	75	0
131	1992-93	Ahmednagar	Nevasa	Sirasaon	7.51	630	330	215	58	17.0	43.0	2	0.0	268.0	46	20	7	0
132	GSDA	Ahmednagar	Rahuri	Songaon/anapwadi	7.75	1295	842	460	100.8	50.5	140.0	2.6	0.0	351.4	236	44	0	0
133		Ahmednagar	Shrirampur	Srirampur Ew	7.5	468	304	95	16	13	117	0.9	0	165	78	98	17	0.13
134	1990-91	Ahmednagar	Rahuri	Tahrabad	8.37	750	445	15	46	10.0	92.0	16	24.0	104.0	103	90	12	0
135	GWE	Ahmednagar	Rahuri	Tahrabad	8.4	750	445	15	46	10.0	92.0	16	24.0	104.0	103	90	12	NA
136	GSDA	Ahmednagar	Pathardi	Takli manur	7.1	3380	2220	860	182	98.4	166.0	1.7	0.0	652.7	311	190	0	0
137	GSDA	Ahmednagar	Newasa	Telkudgaon	7.15	336	218	148	27.2	19.4	25.7	0.6	0.2	160.8	36	14	0	0
138		Ahmednagar	Nevasa	Tilapur	8.26	1350	830	390	44	68.0	104.0	0.5	0.0	177.0	248	120	0	0
139	GWE	Ahmednagar	Nevasa	Tilapur	8.3	1350	830	390	44	68.0	104.0	0.5	0.0	177.0	248	120	NA	NA
140		Ahmednagar	Rahata	Tisgaon Ew	8.1	785	510	370	88	36	43	0.59	0	104	124	145	46	0.09
141		Ahmednagar	Rahata	Tisgaon Ow	8.1	902	586	410	88	46	54	0.5	0	110	167	184	50	0.09
142	1978-79	Ahmednagar	Nagar	Ukadgaon	8	620	375	132.5	22.04	18.8	50.6	62.56	0.0	265.4	37.23	50.43	0	0.66
143	GWE	Ahmednagar	Parner	Vadgovhan	8.1	1180	640	275	58	32.0	131.0	18	0.0	500.0	57	50	37	NA
144	1989-91	Ahmednagar	Rahuri	Vambori	8.1	670	370	180	22	34.0	71.0	2	0.0	305.0	28	48	10	0
145	GWE	Ahmednagar	Rahuri	Vambori	8.1	670	370	180	22	34.0	71.0	2	0.0	305.0	28	48	10	NA
146	GWE	Ahmednagar	Rahuri	Vambori	7.9	690	400	200	26	33.0	69.0	2	0.0	336.0	25	10	70	NA
147	GSDA	Ahmednagar	Parner	Wadegavan	7.3	689	450	329	80	31.3	29.0	0.4	0.6	327.4	55	25	0	0
148		Ahmednagar	Shrirampur	Wangi Ew	7.5	2391	1554	1210	240	148	2	2.25	0	98	496	452	11	0.1
149	GSDA	Ahmednagar	Pathardi	Yeli	7.49	736	480	340	64	43.7	42.0	0.8	1.0	332.0	74.9	25	0	0

### Annexure- VII: Location of proposed Percolation tanks in Ahmednagar district

SN	Village	Taluka	District	X	Y	Structure	No of structures proposed in village
1	Ambevangan	Akole	Ahmadnagar	73.8075	19.5789	Percolation tank	1
2	Ambevangan	Akole	Ahmadnagar	73.8008	19.5866	Percolation tank	1
3	Ambevangan	Akole	Ahmadnagar	73.7972	19.5883	Percolation tank	1
4	Ambhol	Akole	Ahmadnagar	73.9275	19.4372	Percolation tank	1
5	Bori	Akole	Ahmadnagar	73.9904	19.4224	Percolation tank	1
6	Chichondi	Akole	Ahmadnagar	73.7679	19.5582	Percolation tank	1
7	Chitalwedhe	Akole	Ahmadnagar	73.8895	19.5274	Percolation tank	1
8	Deogaon	Akole	Ahmadnagar	73.8333	19.591	Percolation tank	1
9	Deogaon	Akole	Ahmadnagar	73.8403	19.5934	Percolation tank	1
10	Dhamanvan	Akole	Ahmadnagar	73.8024	19.4715	Percolation tank	1
11	Digambar	Akole	Ahmadnagar	73.8709	19.5435	Percolation tank	1
12	Digambar	Akole	Ahmadnagar	73.8862	19.5554	Percolation tank	1
13	Gondoshi	Akole	Ahmadnagar	73.8656	19.4581	Percolation tank	1
14	Gondoshi	Akole	Ahmadnagar	73.8725	19.4624	Percolation tank	1
15	Katalapur	Akole	Ahmadnagar	73.8093	19.5341	Percolation tank	1
16	Khadki	Akole	Ahmadnagar	73.8243	19.4466	Percolation tank	1
17	Khirvire	Akole	Ahmadnagar	73.8744	19.6291	Percolation tank	1
18	Khirvire	Akole	Ahmadnagar	73.8646	19.6219	Percolation tank	1
19	Kohondi	Akole	Ahmadnagar	73.849	19.5385	Percolation tank	1
20	Kombhalne	Akole	Ahmadnagar	73.9187	19.6231	Percolation tank	1
21	Kombhalne	Akole	Ahmadnagar	73.9181	19.6271	Percolation tank	1
22	Kotul	Akole	Ahmadnagar	73.9596	19.4249	Percolation tank	1
23	Kotul	Akole	Ahmadnagar	73.9672	19.4205	Percolation tank	1
24	Kotul	Akole	Ahmadnagar	73.9646	19.4358	Percolation tank	1
25	Manhere	Akole	Ahmadnagar	73.8058	19.5693	Percolation tank	1
26	Manhere	Akole	Ahmadnagar	73.7947	19.5678	Percolation tank	1
27	Pimparkane	Akole	Ahmadnagar	73.8622	19.5744	Percolation tank	1
28	Pimparkane	Akole	Ahmadnagar	73.8593	19.5738	Percolation tank	1
29	Pimparkane	Akole	Ahmadnagar	73.8611	19.5639	Percolation tank	1
30	Pimparkane	Akole	Ahmadnagar	73.8689	19.5557	Percolation tank	1
31	Pimpri	Akole	Ahmadnagar	73.8529	19.4376	Percolation tank	1
32	Rajur	Akole	Ahmadnagar	73.8844	19.5182	Percolation tank	1
33	Senit Kh. (N.V.)	Akole	Ahmadnagar	73.8097	19.6286	Percolation tank	1
34	Shelad	Akole	Ahmadnagar	73.8954	19.46	Percolation tank	1
35	Shelad	Akole	Ahmadnagar	73.9153	19.4577	Percolation tank	1
36	Shelvihire	Akole	Ahmadnagar	73.8486	19.5629	Percolation tank	1
37	Shelvihire	Akole	Ahmadnagar	73.8365	19.5655	Percolation tank	1
38	Shendi	Akole	Ahmadnagar	73.7656	19.5467	Percolation tank	1
39	Shenit	Akole	Ahmadnagar	73.8251	19.6094	Percolation tank	1
40	Sherankhel	Akole	Ahmadnagar	73.9279	19.579	Percolation tank	1
41	Shivajinagar (N.V.)	Akole	Ahmadnagar	73.8797	19.7067	Percolation tank	1
42	Titavi	Akole	Ahmadnagar	73.8411	19.5557	Percolation tank	1
43	Titavi	Akole	Ahmadnagar	73.8133	19.5649	Percolation tank	1
44	Waki	Akole	Ahmadnagar	73.7743	19.5533	Percolation tank	1
45	Waki	Akole	Ahmadnagar	73.7714	19.5644	Percolation tank	1
46	Waranghushi	Akole	Ahmadnagar	73.7686	19.5841	Percolation tank	1
47	Bahadarpur	Kopargaon	Ahmadnagar	74.344	19.784	Percolation tank	1
48	Bhojade	Kopargaon	Ahmadnagar	74.596	19.860	Percolation tank	2
49	Chandgavhan	Kopargaon	Ahmadnagar	74.459	19.872	Percolation tank	1
50	Chas	Kopargaon	Ahmadnagar	74.281	19.946	Percolation tank	1
51	Dahigaon Bolka	Kopargaon	Ahmadnagar	74.586	19.915	Percolation tank	2
52	Dauch Bk.	Kopargaon	Ahmadnagar	74.424	19.870	Percolation tank	1
53	Dharangaon	Kopargaon	Ahmadnagar	74.441	19.914	Percolation tank	1

SN	Village	Taluka	District	X	Y	Structure	No of structures proposed in village
54	Ghari	Kopargaon	Ahmadnagar	74.413	19.837	Percolation tank	1
55	Ghari	Kopargaon	Ahmadnagar	74.438	19.847	Percolation tank	1
56	Ghari	Kopargaon	Ahmadnagar	74.440	19.862	Percolation tank	1
57	Ghari	Kopargaon	Ahmadnagar	74.423	19.853	Percolation tank	1
58	Ghoyegaon	Kopargaon	Ahmadnagar	74.614	19.908	Percolation tank	2
59	Kanhegaon	Kopargaon	Ahmadnagar	74.584	19.860	Percolation tank	2
60	Karanji Bk.	Kopargaon	Ahmadnagar	74.518	19.928	Percolation tank	2
61	Karwadi	Kopargaon	Ahmadnagar	74.324	19.918	Percolation tank	1
62	Khirdi Ganesh	Kopargaon	Ahmadnagar	74.504	19.923	Percolation tank	2
63	Kokamthan	Kopargaon	Ahmadnagar	74.532	19.855	Percolation tank	1
64	Kokamthan	Kopargaon	Ahmadnagar	74.515	19.863	Percolation tank	2
65	Kolpewadi	Kopargaon	Ahmadnagar	74.385	19.913	Percolation tank	1
66	KOPARGAON	Kopargaon	Ahmadnagar	74.491	19.912	Percolation tank	2
67	Kumbhari	Kopargaon	Ahmadnagar	74.405	19.872	Percolation tank	1
68	Madhi Kh.	Kopargaon	Ahmadnagar	74.394	19.830	Percolation tank	1
69	Malegaon Thadi	Kopargaon	Ahmadnagar	74.394	19.934	Percolation tank	1
70	Malegaon Thadi	Kopargaon	Ahmadnagar	74.412	19.929	Percolation tank	1
71	Malegaon Thadi	Kopargaon	Ahmadnagar	74.393	19.952	Percolation tank	1
72	Manjur	Kopargaon	Ahmadnagar	74.317	19.933	Percolation tank	1
73	Morvis	Kopargaon	Ahmadnagar	74.312	19.944	Percolation tank	1
74	Morvis	Kopargaon	Ahmadnagar	74.305	19.949	Percolation tank	1
75	Murshatpur	Kopargaon	Ahmadnagar	74.441	19.893	Percolation tank	1
76	Ranjangaon Deshmukh	Kopargaon	Ahmadnagar	74.339	19.755	Percolation tank	1
77	Ranjangaon Deshmukh	Kopargaon	Ahmadnagar	74.325	19.744	Percolation tank	1
78	Ranjangaon Deshmukh	Kopargaon	Ahmadnagar	74.336	19.762	Percolation tank	1
79	Sade	Kopargaon	Ahmadnagar	74.555	19.837	Percolation tank	1
80	Samvatsar	Kopargaon	Ahmadnagar	74.532	19.880	Percolation tank	1
81	Samvatsar	Kopargaon	Ahmadnagar	74.532	19.903	Percolation tank	2
82	Samvatsar	Kopargaon	Ahmadnagar	74.512	19.895	Percolation tank	1
83	Sangvi Bhusar	Kopargaon	Ahmadnagar	74.352	19.941	Percolation tank	1
84	Sangvi Bhusar	Kopargaon	Ahmadnagar	74.378	19.941	Percolation tank	1
85	Shahapur	Kopargaon	Ahmadnagar	74.381	19.808	Percolation tank	1
86	Suregaon	Kopargaon	Ahmadnagar	74.351	19.913	Percolation tank	1
87	Takali	Kopargaon	Ahmadnagar	74.446	19.938	Percolation tank	1
88	Talegaon Male	Kopargaon	Ahmadnagar	74.640	19.894	Percolation tank	2
89	Agadgaon	NAGAR	Ahmadnagar	74.8486	19.1364	Percolation tank	1
90	AHMADNAGAR	NAGAR	Ahmadnagar	74.7626	19.1117	Percolation tank	1
91	AHMADNAGAR CANTT.	NAGAR	Ahmadnagar	74.7619	19.096	Percolation tank	1
92	Akolner	NAGAR	Ahmadnagar	74.6654	19.0079	Percolation tank	1
93	Akolner	NAGAR	Ahmadnagar	74.6707	18.9855	Percolation tank	1
94	Akolner	NAGAR	Ahmadnagar	74.6625	19.0032	Percolation tank	1
95	Akolner	NAGAR	Ahmadnagar	74.6397	18.9978	Percolation tank	1
96	Arangaon	NAGAR	Ahmadnagar	74.7212	19.0208	Percolation tank	1
97	Bahirwadi	NAGAR	Ahmadnagar	74.8359	19.1988	Percolation tank	1
98	Bahirwadi	NAGAR	Ahmadnagar	74.8453	19.2135	Percolation tank	1
99	Bhingar	NAGAR	Ahmadnagar	74.8139	19.1024	Percolation tank	1
100	Bhorwadi	NAGAR	Ahmadnagar	74.6413	19.0171	Percolation tank	1
101	Bhorwadi	NAGAR	Ahmadnagar	74.6013	18.9953	Percolation tank	1
102	Bhorwadi	NAGAR	Ahmadnagar	74.6217	18.9893	Percolation tank	1
103	Bhoyare Kh	NAGAR	Ahmadnagar	74.614	19.038	Percolation tank	1
104	Bhoyare Pathar	NAGAR	Ahmadnagar	74.5981	19.0399	Percolation tank	1
105	Chahurana Kh	NAGAR	Ahmadnagar	74.7135	19.0822	Percolation tank	1
106	Chas	NAGAR	Ahmadnagar	74.6454	19.0364	Percolation tank	1
107	Dehere	NAGAR	Ahmadnagar	74.7082	19.2127	Percolation tank	1
108	Dehere	NAGAR	Ahmadnagar	74.6874	19.2143	Percolation tank	1
109	Dehere	NAGAR	Ahmadnagar	74.681	19.2411	Percolation tank	1

SN	Village	Taluka	District	X	Y	Structure	No of structures proposed in village
110	Dehere	NAGAR	Ahmadnagar	74.6947	19.2396	Percolation tank	1
111	Dehere	NAGAR	Ahmadnagar	74.667	19.2161	Percolation tank	1
112	Dehere	NAGAR	Ahmadnagar	74.6679	19.2267	Percolation tank	1
113	Dehere	NAGAR	Ahmadnagar	74.6466	19.2008	Percolation tank	1
114	Dehere	NAGAR	Ahmadnagar	74.6389	19.2167	Percolation tank	1
115	Dehere	NAGAR	Ahmadnagar	74.6364	19.2324	Percolation tank	1
116	Deulgaon Siddhi	NAGAR	Ahmadnagar	74.7392	18.9407	Percolation tank	1
117	Deulgaon Siddhi	NAGAR	Ahmadnagar	74.7311	18.9369	Percolation tank	1
118	Deulgaon Siddhi	NAGAR	Ahmadnagar	74.716	18.9272	Percolation tank	1
119	Deulgaon Siddhi	NAGAR	Ahmadnagar	74.7127	18.9195	Percolation tank	1
120	Deulgaon Siddhi	NAGAR	Ahmadnagar	74.7005	18.9145	Percolation tank	1
121	Dongargan	NAGAR	Ahmadnagar	74.7678	19.242	Percolation tank	1
122	Dongargan	NAGAR	Ahmadnagar	74.7559	19.2332	Percolation tank	1
123	Hivare Zare	NAGAR	Ahmadnagar	74.7196	18.9346	Percolation tank	1
124	Islak	NAGAR	Ahmadnagar	74.6699	19.1417	Percolation tank	1
125	Ismalpur	NAGAR	Ahmadnagar	74.6864	19.2625	Percolation tank	1
126	Jakhangaon	NAGAR	Ahmadnagar	74.6536	19.1009	Percolation tank	1
127	Jakhangaon	NAGAR	Ahmadnagar	74.6326	19.1003	Percolation tank	1
128	Jeur	NAGAR	Ahmadnagar	74.8228	19.2335	Percolation tank	1
129	Jeur	NAGAR	Ahmadnagar	74.8081	19.2374	Percolation tank	1
130	Jeur	NAGAR	Ahmadnagar	74.7718	19.2074	Percolation tank	1
131	Jeur	NAGAR	Ahmadnagar	74.7951	19.2119	Percolation tank	1
132	Jeur	NAGAR	Ahmadnagar	74.8024	19.2234	Percolation tank	1
133	Jeur	NAGAR	Ahmadnagar	74.805	19.2125	Percolation tank	1
134	Kapurwadi	NAGAR	Ahmadnagar	74.8106	19.1228	Percolation tank	1
135	Kapurwadi	NAGAR	Ahmadnagar	74.8065	19.1386	Percolation tank	1
136	Karjunekhare	NAGAR	Ahmadnagar	74.6585	19.1356	Percolation tank	1
137	Karjunekhare	NAGAR	Ahmadnagar	74.6356	19.1394	Percolation tank	1
138	Karjunekhare	NAGAR	Ahmadnagar	74.616	19.139	Percolation tank	1
139	Karjunekhare	NAGAR	Ahmadnagar	74.6625	19.1745	Percolation tank	1
140	Karjunekhare	NAGAR	Ahmadnagar	74.6211	19.1779	Percolation tank	1
141	Karjunekhare	NAGAR	Ahmadnagar	74.5902	19.2101	Percolation tank	1
142	Kedgaon	NAGAR	Ahmadnagar	74.7122	19.0629	Percolation tank	1
143	Khatgaon Takli	NAGAR	Ahmadnagar	74.6262	19.1123	Percolation tank	1
144	Madadgaon	NAGAR	Ahmadnagar	74.8604	19.0545	Percolation tank	1
145	Majale-chincholi	NAGAR	Ahmadnagar	74.8432	19.2285	Percolation tank	1
146	Manjar Sumbha	NAGAR	Ahmadnagar	74.7486	19.2335	Percolation tank	1
147	Manjar Sumbha	NAGAR	Ahmadnagar	74.7433	19.2281	Percolation tank	1
148	Manjar Sumbha	NAGAR	Ahmadnagar	74.7347	19.2243	Percolation tank	1
149	Mehekari	NAGAR	Ahmadnagar	74.8709	19.1075	Percolation tank	1
150	Nagapur	NAGAR	Ahmadnagar	74.7202	19.1442	Percolation tank	1
151	Nimblak	NAGAR	Ahmadnagar	74.6791	19.1099	Percolation tank	1
152	Nimblak	NAGAR	Ahmadnagar	74.6988	19.1261	Percolation tank	1
153	Pimpalgaon Malvi	NAGAR	Ahmadnagar	74.746	19.2071	Percolation tank	1
154	Pimpalgaon Malvi	NAGAR	Ahmadnagar	74.7553	19.2062	Percolation tank	1
155	Pimpalgaon Ujjaini	NAGAR	Ahmadnagar	74.8077	19.1672	Percolation tank	1
156	Pimpalgaon Ujjaini	NAGAR	Ahmadnagar	74.8212	19.1695	Percolation tank	1
157	Pimpalgaon Ujjaini	NAGAR	Ahmadnagar	74.8135	19.1437	Percolation tank	1
158	Pimpalgaon Wagha	NAGAR	Ahmadnagar	74.6148	19.0561	Percolation tank	1
159	Pimpri Ghumat	NAGAR	Ahmadnagar	74.609	19.2029	Percolation tank	1
160	Pimpri Ghumat	NAGAR	Ahmadnagar	74.6109	19.2357	Percolation tank	1
161	Sandave	NAGAR	Ahmadnagar	74.8673	19.026	Percolation tank	1
162	Sasewadi	NAGAR	Ahmadnagar	74.8595	19.1722	Percolation tank	1
163	Sasewadi	NAGAR	Ahmadnagar	74.8481	19.1915	Percolation tank	1
164	Shahapur	NAGAR	Ahmadnagar	74.8277	19.0916	Percolation tank	1
165	Shendi	NAGAR	Ahmadnagar	74.7763	19.1591	Percolation tank	1

SN	Village	Taluka	District	X	Y	Structure	No of structures proposed in village
166	Shendi	NAGAR	Ahmadnagar	74.798	19.1664	Percolation tank	1
167	Shendi	NAGAR	Ahmadnagar	74.7902	19.1614	Percolation tank	1
168	Shendi	NAGAR	Ahmadnagar	74.7642	19.1671	Percolation tank	1
169	Shendi	NAGAR	Ahmadnagar	74.7533	19.168	Percolation tank	1
170	Sonewadi	NAGAR	Ahmadnagar	74.6963	19.0148	Percolation tank	1
171	Udarmal	NAGAR	Ahmadnagar	74.8812	19.2181	Percolation tank	1
172	Vadgaongupta	NAGAR	Ahmadnagar	74.7415	19.162	Percolation tank	1
173	Vadgaongupta	NAGAR	Ahmadnagar	74.7173	19.1707	Percolation tank	1
174	Vilad	NAGAR	Ahmadnagar	74.7001	19.2031	Percolation tank	1
175	Vilad	NAGAR	Ahmadnagar	74.6899	19.1896	Percolation tank	1
176	Vilad	NAGAR	Ahmadnagar	74.6708	19.2005	Percolation tank	1
177	Vilad	NAGAR	Ahmadnagar	74.6686	19.1894	Percolation tank	1
178	Wadgaon Tandali	NAGAR	Ahmadnagar	74.8	18.9249	Percolation tank	1
179	Walki	NAGAR	Ahmadnagar	74.7453	18.9477	Percolation tank	1
180	Warulwadi	NAGAR	Ahmadnagar	74.7906	19.1225	Percolation tank	1
181	Watephal	NAGAR	Ahmadnagar	74.8041	18.9523	Percolation tank	1
182	Watephal	NAGAR	Ahmadnagar	74.8196	18.9357	Percolation tank	1
183	Amalner	NEVASA	Ahmadnagar	74.8247	19.4823	Percolation tank	1
184	Babhulkhede	NEVASA	Ahmadnagar	75.0159	19.5237	Percolation tank	1
185	Bhende Bk.	NEVASA	Ahmadnagar	75.0355	19.4172	Percolation tank	1
186	Bhende Kh.	NEVASA	Ahmadnagar	75.0484	19.454	Percolation tank	1
187	Bhende Kh.	NEVASA	Ahmadnagar	75.0312	19.4594	Percolation tank	1
188	Chanda	NEVASA	Ahmadnagar	74.9474	19.3357	Percolation tank	1
189	Deogaon	NEVASA	Ahmadnagar	75.0287	19.4098	Percolation tank	1
190	Deogaon	NEVASA	Ahmadnagar	75.0158	19.4184	Percolation tank	1
191	Dhangarwadi	NEVASA	Ahmadnagar	74.8108	19.3516	Percolation tank	1
192	Dighi	NEVASA	Ahmadnagar	75.0465	19.5159	Percolation tank	1
193	Fattepur	NEVASA	Ahmadnagar	74.9798	19.3819	Percolation tank	1
194	Ganeshwadi	NEVASA	Ahmadnagar	74.8422	19.4164	Percolation tank	1
195	Ganeshwadi	NEVASA	Ahmadnagar	74.8385	19.4189	Percolation tank	1
196	Ganeshwadi	NEVASA	Ahmadnagar	74.8279	19.4124	Percolation tank	1
197	Ghodegaon	NEVASA	Ahmadnagar	74.8728	19.3534	Percolation tank	1
198	Ghodegaon	NEVASA	Ahmadnagar	74.8781	19.3299	Percolation tank	1
199	Ghodegaon	NEVASA	Ahmadnagar	74.8671	19.3103	Percolation tank	1
200	Ghodegaon	NEVASA	Ahmadnagar	74.8703	19.3436	Percolation tank	1
201	Ghodegaon	NEVASA	Ahmadnagar	74.8838	19.3258	Percolation tank	1
202	Ghodegaon	NEVASA	Ahmadnagar	74.883	19.3443	Percolation tank	1
203	Gomalwadi	NEVASA	Ahmadnagar	74.8489	19.5003	Percolation tank	1
204	Hingoni	NEVASA	Ahmadnagar	74.8593	19.383	Percolation tank	1
205	Hingoni	NEVASA	Ahmadnagar	74.8638	19.3908	Percolation tank	1
206	Kangoni	NEVASA	Ahmadnagar	74.8679	19.3865	Percolation tank	1
207	Kangoni	NEVASA	Ahmadnagar	74.8565	19.372	Percolation tank	1
208	Kangoni	NEVASA	Ahmadnagar	74.8756	19.37	Percolation tank	1
209	Kangoni	NEVASA	Ahmadnagar	74.874	19.3793	Percolation tank	1
210	Karajgaon	NEVASA	Ahmadnagar	74.8062	19.4516	Percolation tank	1
211	Khadke	NEVASA	Ahmadnagar	74.9643	19.5622	Percolation tank	1
212	Kharwandi	NEVASA	Ahmadnagar	74.8585	19.4238	Percolation tank	1
213	Kharwandi	NEVASA	Ahmadnagar	74.8251	19.4397	Percolation tank	1
214	Kharwandi	NEVASA	Ahmadnagar	74.8548	19.4382	Percolation tank	1
215	Kharwandi	NEVASA	Ahmadnagar	74.8508	19.4278	Percolation tank	1
216	Kharwandi	NEVASA	Ahmadnagar	74.8827	19.4373	Percolation tank	1
217	Khunegaon	NEVASA	Ahmadnagar	74.9719	19.4753	Percolation tank	1
218	Khunegaon	NEVASA	Ahmadnagar	74.9828	19.466	Percolation tank	1
219	Khupti	NEVASA	Ahmadnagar	74.8687	19.5183	Percolation tank	1
220	Khupti	NEVASA	Ahmadnagar	74.8776	19.534	Percolation tank	1
221	Landewadi	NEVASA	Ahmadnagar	74.8024	19.4257	Percolation tank	1

SN	Village	Taluka	District	X	Y	Structure	No of structures proposed in village
222	Lohgaon	NEVASA	Ahmadnagar	74.8332	19.3235	Percolation tank	1
223	Lohgaon	NEVASA	Ahmadnagar	74.8287	19.3366	Percolation tank	1
224	Maktapur	NEVASA	Ahmadnagar	74.9713	19.5237	Percolation tank	1
225	Mandegavhan	NEVASA	Ahmadnagar	74.8826	19.3153	Percolation tank	1
226	Mandegavhan	NEVASA	Ahmadnagar	74.8777	19.3046	Percolation tank	1
227	Mandegavhan	NEVASA	Ahmadnagar	74.8899	19.292	Percolation tank	1
228	Morgavhan	NEVASA	Ahmadnagar	74.8956	19.3051	Percolation tank	1
229	Moryachinchore	NEVASA	Ahmadnagar	74.7965	19.3305	Percolation tank	1
230	Nagapur	NEVASA	Ahmadnagar	74.9745	19.4618	Percolation tank	1
231	Nevasa Bk.	NEVASA	Ahmadnagar	74.8808	19.555	Percolation tank	1
232	Nevasa Bk.	NEVASA	Ahmadnagar	74.921	19.5538	Percolation tank	1
233	Nevasa Bk.	NEVASA	Ahmadnagar	74.8706	19.561	Percolation tank	1
234	Nevasa Kh.(rural)	NEVASA	Ahmadnagar	74.8985	19.4932	Percolation tank	1
235	Nevasa Kh.(rural)	NEVASA	Ahmadnagar	74.9178	19.5328	Percolation tank	1
236	Nevasa Kh.(rural)	NEVASA	Ahmadnagar	74.9439	19.5484	Percolation tank	1
237	Nevasa Kh.(rural)	NEVASA	Ahmadnagar	74.935	19.5261	Percolation tank	1
238	Panaswadi	NEVASA	Ahmadnagar	74.8385	19.3461	Percolation tank	1
239	Ranjangaon	NEVASA	Ahmadnagar	74.9654	19.4082	Percolation tank	1
240	Rastapur	NEVASA	Ahmadnagar	74.9676	19.3835	Percolation tank	1
241	Rastapur	NEVASA	Ahmadnagar	74.9527	19.3886	Percolation tank	1
242	Rastapur	NEVASA	Ahmadnagar	74.9563	19.3955	Percolation tank	1
243	Rastapur	NEVASA	Ahmadnagar	74.9592	19.3748	Percolation tank	1
244	Salabatpur	NEVASA	Ahmadnagar	75.0389	19.543	Percolation tank	1
245	Shinganapur	NEVASA	Ahmadnagar	74.8393	19.3565	Percolation tank	1
246	Shingve Tukai	NEVASA	Ahmadnagar	74.8756	19.2908	Percolation tank	1
247	Shingve Tukai	NEVASA	Ahmadnagar	74.8561	19.2962	Percolation tank	1
248	Shingve Tukai	NEVASA	Ahmadnagar	74.8471	19.3058	Percolation tank	1
249	Sonai	NEVASA	Ahmadnagar	74.8475	19.3986	Percolation tank	1
250	Sonai	NEVASA	Ahmadnagar	74.8194	19.4039	Percolation tank	1
251	Sonai	NEVASA	Ahmadnagar	74.8194	19.3932	Percolation tank	1
252	Sonai	NEVASA	Ahmadnagar	74.8169	19.3697	Percolation tank	1
253	Sonai	NEVASA	Ahmadnagar	74.8149	19.3612	Percolation tank	1
254	Sonai	NEVASA	Ahmadnagar	74.8218	19.3855	Percolation tank	1
255	Tamaswadi	NEVASA	Ahmadnagar	74.8756	19.4813	Percolation tank	1
256	Tamaswadi	NEVASA	Ahmadnagar	74.8752	19.4728	Percolation tank	1
257	Tamaswadi	NEVASA	Ahmadnagar	74.8593	19.4516	Percolation tank	1
258	Tamaswadi	NEVASA	Ahmadnagar	74.8639	19.4496	Percolation tank	1
259	Watapur	NEVASA	Ahmadnagar	74.8463	19.4793	Percolation tank	1
260	Zapwadi	NEVASA	Ahmadnagar	74.8516	19.3326	Percolation tank	1
261	Zapwadi	NEVASA	Ahmadnagar	74.8512	19.3485	Percolation tank	1
262	Adgaon Bk.	Rahta	Ahmadnagar	74.432	19.646	Percolation tank	1
263	Adgaon Bk.	Rahta	Ahmadnagar	74.396	19.641	Percolation tank	1
264	Adgaon Kh.	Rahta	Ahmadnagar	74.415	19.660	Percolation tank	1
265	Astagaon	Rahta	Ahmadnagar	74.537	19.655	Percolation tank	1
266	Astagaon	Rahta	Ahmadnagar	74.502	19.659	Percolation tank	1
267	Astagaon	Rahta	Ahmadnagar	74.501	19.668	Percolation tank	1
268	Dahigaon Korhale	Rahta	Ahmadnagar	74.462	19.716	Percolation tank	1
269	Kelwad Kh.	Rahta	Ahmadnagar	74.425	19.692	Percolation tank	1
270	Khadakewake	Rahta	Ahmadnagar	74.440	19.682	Percolation tank	1
271	Khadakewake	Rahta	Ahmadnagar	74.457	19.673	Percolation tank	1
272	Korhale	Rahta	Ahmadnagar	74.422	19.725	Percolation tank	1
273	Mamdapur	Rahta	Ahmadnagar	74.556	19.609	Percolation tank	1
274	Mamdapur	Rahta	Ahmadnagar	74.542	19.609	Percolation tank	1
275	Nandur Bk.	Rahta	Ahmadnagar	74.575	19.594	Percolation tank	1
276	Nandurkhi Bk.	Rahta	Ahmadnagar	74.454	19.751	Percolation tank	1
277	Nandurkhi Kh.	Rahta	Ahmadnagar	74.444	19.758	Percolation tank	1



SN	Village	Taluka	District	X	Y	Structure	No of structures proposed in village
278	Nathu Patalachiwadi	Rahta	Ahmadnagar	74.544	19.739	Percolation tank	1
279	Nathu Patalachiwadi	Rahta	Ahmadnagar	74.548	19.757	Percolation tank	1
280	Pimpri Nirmal	Rahta	Ahmadnagar	74.481	19.660	Percolation tank	1
281	Pimpri Nirmal	Rahta	Ahmadnagar	74.470	19.644	Percolation tank	1
282	Puntamba	Rahta	Ahmadnagar	74.599	19.752	Percolation tank	1
283	Puntamba	Rahta	Ahmadnagar	74.604	19.736	Percolation tank	1
284	RAHTA PIMPLAS	Rahta	Ahmadnagar	74.476	19.696	Percolation tank	1
285	RAHTA PIMPLAS	Rahta	Ahmadnagar	74.507	19.745	Percolation tank	1
286	RAHTA PIMPLAS	Rahta	Ahmadnagar	74.509	19.719	Percolation tank	1
287	RAHTA PIMPLAS	Rahta	Ahmadnagar	74.480	19.718	Percolation tank	1
288	Rampurwadi	Rahta	Ahmadnagar	74.575	19.712	Percolation tank	1
289	Ranjangaon Kh.	Rahta	Ahmadnagar	74.537	19.699	Percolation tank	1
290	Ranjangaon Kh.	Rahta	Ahmadnagar	74.535	19.683	Percolation tank	1
291	Rui	Rahta	Ahmadnagar	74.507	19.778	Percolation tank	1
292	Sakuri	Rahta	Ahmadnagar	74.477	19.742	Percolation tank	1
293	SHIRDI	Rahta	Ahmadnagar	74.480	19.771	Percolation tank	1
294	Wakadi	Rahta	Ahmadnagar	74.581	19.685	Percolation tank	1
295	WARI	Rahta	Ahmadnagar	74.589	19.820	Percolation tank	1
296	WARI	Rahta	Ahmadnagar	74.579	19.835	Percolation tank	1
297	Abhalwadi	Sangamner	Ahmadnagar	74.246	19.263	Percolation tank	1
298	Abhalwadi	Sangamner	Ahmadnagar	74.252	19.265	Percolation tank	1
299	Akalapur	Sangamner	Ahmadnagar	74.230	19.272	Percolation tank	1
300	Akalapur	Sangamner	Ahmadnagar	74.222	19.265	Percolation tank	1
301	Akalapur	Sangamner	Ahmadnagar	74.229	19.263	Percolation tank	1
302	Ambi Khalasa	Sangamner	Ahmadnagar	74.169	19.347	Percolation tank	1
303	Bambalewadi	Sangamner	Ahmadnagar	74.243	19.426	Percolation tank	1
304	Bhojadari	Sangamner	Ahmadnagar	74.123	19.324	Percolation tank	1
305	Borbanwadi	Sangamner	Ahmadnagar	74.152	19.339	Percolation tank	1
306	Borbanwadi	Sangamner	Ahmadnagar	74.162	19.319	Percolation tank	1
307	Bota	Sangamner	Ahmadnagar	74.148	19.254	Percolation tank	1
308	Bota	Sangamner	Ahmadnagar	74.164	19.287	Percolation tank	1
309	Bota	Sangamner	Ahmadnagar	74.144	19.262	Percolation tank	1
310	Chincholi Gurav	Sangamner	Ahmadnagar	74.286	19.757	Percolation tank	1
311	Chincholi Gurav	Sangamner	Ahmadnagar	74.282	19.745	Percolation tank	1
312	Chincholi Gurav	Sangamner	Ahmadnagar	74.276	19.735	Percolation tank	1
313	Chincholi Gurav	Sangamner	Ahmadnagar	74.264	19.726	Percolation tank	1
314	Chincholi Gurav	Sangamner	Ahmadnagar	74.249	19.735	Percolation tank	1
315	Chincholi Gurav	Sangamner	Ahmadnagar	74.265	19.744	Percolation tank	1
316	Chincholi Gurav	Sangamner	Ahmadnagar	74.268	19.755	Percolation tank	1
317	Deogaon	Sangamner	Ahmadnagar	74.235	19.522	Percolation tank	1
318	Dhandarphal Kh	Sangamner	Ahmadnagar	74.124	19.514	Percolation tank	1
319	Digras	Sangamner	Ahmadnagar	74.299	19.454	Percolation tank	1
320	Digras	Sangamner	Ahmadnagar	74.317	19.471	Percolation tank	1
321	Ghargaon	Sangamner	Ahmadnagar	74.168	19.316	Percolation tank	1
322	Ghargaon	Sangamner	Ahmadnagar	74.162	19.324	Percolation tank	1
323	Ghulewadi	Sangamner	Ahmadnagar	74.196	19.605	Percolation tank	1
324	Hiwargaon Pathar	Sangamner	Ahmadnagar	74.255	19.359	Percolation tank	1
325	Jakhori	Sangamner	Ahmadnagar	74.255	19.514	Percolation tank	1
326	Jambut Bk.	Sangamner	Ahmadnagar	74.270	19.320	Percolation tank	1
327	Karan	Sangamner	Ahmadnagar	74.241	19.617	Percolation tank	1
328	Karan	Sangamner	Ahmadnagar	74.241	19.594	Percolation tank	1
329	Kasare	Sangamner	Ahmadnagar	74.374	19.656	Percolation tank	1
330	Kauthe Kamaleshwar	Sangamner	Ahmadnagar	74.337	19.647	Percolation tank	1
331	Kauthe Kamaleshwar	Sangamner	Ahmadnagar	74.344	19.657	Percolation tank	1
332	Kauthe Kamaleshwar	Sangamner	Ahmadnagar	74.322	19.645	Percolation tank	1
333	Kelewadi	Sangamner	Ahmadnagar	74.166	19.273	Percolation tank	1

SN	Village	Taluka	District	X	Y	Structure	No of structures proposed in village
334	Kelewadi	Sangamner	Ahmadnagar	74.163	19.257	Percolation tank	1
335	Kelewadi	Sangamner	Ahmadnagar	74.164	19.233	Percolation tank	1
336	Kelewadi	Sangamner	Ahmadnagar	74.165	19.244	Percolation tank	1
337	Khali	Sangamner	Ahmadnagar	74.413	19.474	Percolation tank	1
338	Khali	Sangamner	Ahmadnagar	74.425	19.491	Percolation tank	1
339	Khali	Sangamner	Ahmadnagar	74.429	19.507	Percolation tank	1
340	Khambe	Sangamner	Ahmadnagar	74.402	19.404	Percolation tank	1
341	Khambe	Sangamner	Ahmadnagar	74.438	19.410	Percolation tank	1
342	Khambe	Sangamner	Ahmadnagar	74.431	19.426	Percolation tank	1
343	Khandarmal	Sangamner	Ahmadnagar	74.241	19.291	Percolation tank	1
344	Khandarmal	Sangamner	Ahmadnagar	74.224	19.311	Percolation tank	1
345	Khandgaon	Sangamner	Ahmadnagar	74.187	19.525	Percolation tank	1
346	Khandgedara (n.v.)	Sangamner	Ahmadnagar	74.123	19.377	Percolation tank	1
347	Khandgedara (n.v.)	Sangamner	Ahmadnagar	74.127	19.389	Percolation tank	1
348	Khanjapur	Sangamner	Ahmadnagar	74.221	19.591	Percolation tank	1
349	Kharshinde	Sangamner	Ahmadnagar	74.416	19.436	Percolation tank	1
350	Kolhwadi (n.v.)	Sangamner	Ahmadnagar	74.270	19.565	Percolation tank	1
351	Kolwade	Sangamner	Ahmadnagar	74.259	19.477	Percolation tank	1
352	Kumbharwadi	Sangamner	Ahmadnagar	74.331	19.447	Percolation tank	1
353	Kurakundi	Sangamner	Ahmadnagar	74.139	19.311	Percolation tank	1
354	Kurakundi	Sangamner	Ahmadnagar	74.152	19.312	Percolation tank	1
355	Kurakundi	Sangamner	Ahmadnagar	74.161	19.307	Percolation tank	1
356	Kurakundi	Sangamner	Ahmadnagar	74.150	19.300	Percolation tank	1
357	Kurakundi	Sangamner	Ahmadnagar	74.157	19.297	Percolation tank	1
358	Kurakundi	Sangamner	Ahmadnagar	74.171	19.296	Percolation tank	1
359	Kurkutwadi	Sangamner	Ahmadnagar	74.128	19.267	Percolation tank	1
360	Kurkutwadi	Sangamner	Ahmadnagar	74.129	19.276	Percolation tank	1
361	Lohare	Sangamner	Ahmadnagar	74.397	19.663	Percolation tank	1
362	Maladad	Sangamner	Ahmadnagar	74.204	19.641	Percolation tank	1
363	Malegaon Haweli	Sangamner	Ahmadnagar	74.280	19.600	Percolation tank	1
364	Malegaon Pathar	Sangamner	Ahmadnagar	74.176	19.361	Percolation tank	1
365	Malwadi (n.v.)	Sangamner	Ahmadnagar	74.132	19.250	Percolation tank	1
366	Malwadi (n.v.)	Sangamner	Ahmadnagar	74.134	19.236	Percolation tank	1
367	Malwadi (n.v.)	Sangamner	Ahmadnagar	74.141	19.241	Percolation tank	1
368	Mendhwan	Sangamner	Ahmadnagar	74.353	19.644	Percolation tank	1
369	Mendhwan	Sangamner	Ahmadnagar	74.359	19.650	Percolation tank	1
370	Mendhwan	Sangamner	Ahmadnagar	74.361	19.620	Percolation tank	1
371	Mhasawandi	Sangamner	Ahmadnagar	74.113	19.255	Percolation tank	1
372	Mhasawandi	Sangamner	Ahmadnagar	74.082	19.253	Percolation tank	1
373	Mirpur	Sangamner	Ahmadnagar	74.387	19.631	Percolation tank	1
374	Nandur Khandarmal	Sangamner	Ahmadnagar	74.266	19.306	Percolation tank	1
375	Nanduri Dumala	Sangamner	Ahmadnagar	74.118	19.485	Percolation tank	1
376	Nannaj Dumala	Sangamner	Ahmadnagar	74.245	19.685	Percolation tank	1
377	Nannaj Dumala	Sangamner	Ahmadnagar	74.275	19.700	Percolation tank	1
378	Nannaj Dumala	Sangamner	Ahmadnagar	74.259	19.694	Percolation tank	1
379	Nilawande	Sangamner	Ahmadnagar	74.283	19.622	Percolation tank	1
380	Nimaj	Sangamner	Ahmadnagar	74.144	19.521	Percolation tank	1
381	Nimgaon Jali	Sangamner	Ahmadnagar	74.385	19.584	Percolation tank	1
382	Nimgaon Jali	Sangamner	Ahmadnagar	74.386	19.560	Percolation tank	1
383	Nimgaon Tembhi	Sangamner	Ahmadnagar	74.234	19.506	Percolation tank	1
384	Nimon	Sangamner	Ahmadnagar	74.212	19.719	Percolation tank	1
385	Nimon	Sangamner	Ahmadnagar	74.213	19.726	Percolation tank	1
386	Nimon	Sangamner	Ahmadnagar	74.215	19.735	Percolation tank	1
387	Panodi	Sangamner	Ahmadnagar	74.366	19.468	Percolation tank	1
388	Paregaon Bk.	Sangamner	Ahmadnagar	74.241	19.718	Percolation tank	1
389	Paregaon Bk.	Sangamner	Ahmadnagar	74.235	19.706	Percolation tank	1

SN	Village	Taluka	District	X	Y	Structure	No of structures proposed in village
390	Paregaon Kh.	Sangamner	Ahmadnagar	74.265	19.668	Percolation tank	1
391	Pemgiri	Sangamner	Ahmadnagar	74.099	19.485	Percolation tank	1
392	Pemrewadi (n.v.)	Sangamner	Ahmadnagar	74.134	19.336	Percolation tank	1
393	Pemrewadi (n.v.)	Sangamner	Ahmadnagar	74.131	19.330	Percolation tank	1
394	Pimpale	Sangamner	Ahmadnagar	74.231	19.692	Percolation tank	1
395	Pimpale	Sangamner	Ahmadnagar	74.229	19.684	Percolation tank	1
396	Pimpale	Sangamner	Ahmadnagar	74.219	19.693	Percolation tank	1
397	Pimpalgaon Depa	Sangamner	Ahmadnagar	74.261	19.431	Percolation tank	1
398	Pimparne	Sangamner	Ahmadnagar	74.265	19.499	Percolation tank	1
399	Pimprilouki-azampur	Sangamner	Ahmadnagar	74.392	19.476	Percolation tank	1
400	Rayatewadi	Sangamner	Ahmadnagar	74.204	19.525	Percolation tank	1
401	Sakur	Sangamner	Ahmadnagar	74.280	19.416	Percolation tank	1
402	Sakur	Sangamner	Ahmadnagar	74.297	19.388	Percolation tank	1
403	Sakur	Sangamner	Ahmadnagar	74.299	19.414	Percolation tank	1
404	Sakur	Sangamner	Ahmadnagar	74.282	19.386	Percolation tank	1
405	Samnapur	Sangamner	Ahmadnagar	74.249	19.571	Percolation tank	1
406	SANGAMNER	Sangamner	Ahmadnagar	74.216	19.572	Percolation tank	1
407	Sarole Pathar	Sangamner	Ahmadnagar	74.198	19.382	Percolation tank	1
408	Sarole Pathar	Sangamner	Ahmadnagar	74.191	19.402	Percolation tank	1
409	Sarole Pathar	Sangamner	Ahmadnagar	74.166	19.396	Percolation tank	1
410	Sawargaon Ghule	Sangamner	Ahmadnagar	74.159	19.376	Percolation tank	1
411	Sawargaon Tal	Sangamner	Ahmadnagar	74.164	19.478	Percolation tank	1
412	Shendewadi	Sangamner	Ahmadnagar	74.234	19.380	Percolation tank	1
413	Shibalapur	Sangamner	Ahmadnagar	74.387	19.499	Percolation tank	1
414	Shibalapur	Sangamner	Ahmadnagar	74.357	19.492	Percolation tank	1
415	Shibalapur	Sangamner	Ahmadnagar	74.355	19.505	Percolation tank	1
416	Sonewadi	Sangamner	Ahmadnagar	74.208	19.690	Percolation tank	1
417	Talegaon	Sangamner	Ahmadnagar	74.285	19.706	Percolation tank	1
418	Talegaon	Sangamner	Ahmadnagar	74.318	19.722	Percolation tank	1
419	Talegaon	Sangamner	Ahmadnagar	74.305	19.719	Percolation tank	1
420	Talegaon	Sangamner	Ahmadnagar	74.274	19.681	Percolation tank	1
421	Talegaon	Sangamner	Ahmadnagar	74.278	19.692	Percolation tank	1
422	Wadgaon Pan	Sangamner	Ahmadnagar	74.264	19.583	Percolation tank	1
423	Wadzari Bk.	Sangamner	Ahmadnagar	74.313	19.710	Percolation tank	1
424	Wadzari Kh.	Sangamner	Ahmadnagar	74.330	19.680	Percolation tank	1
425	Warwandi	Sangamner	Ahmadnagar	74.378	19.412	Percolation tank	1
426	Yelkhopwadi	Sangamner	Ahmadnagar	74.183	19.283	Percolation tank	1
427	Yelkhopwadi	Sangamner	Ahmadnagar	74.185	19.270	Percolation tank	1
428	Yelkhopwadi	Sangamner	Ahmadnagar	74.176	19.298	Percolation tank	1
429	Zole	Sangamner	Ahmadnagar	74.171	19.521	Percolation tank	1
430	Zole	Sangamner	Ahmadnagar	74.200	19.513	Percolation tank	1
431	Bramhangaon Vetal	Shrirampur	Ahmadnagar	74.669	19.641	Percolation tank	1
432	Jafrabad	Shrirampur	Ahmadnagar	74.691	19.746	Percolation tank	1
433	Mahankal Wadgaon	Shrirampur	Ahmadnagar	74.774	19.701	Percolation tank	1
434	Malewadi	Shrirampur	Ahmadnagar	74.710	19.703	Percolation tank	1
435	Naygaon	Shrirampur	Ahmadnagar	74.665	19.745	Percolation tank	1
436	Nimgaon Khairi	Shrirampur	Ahmadnagar	74.682	19.699	Percolation tank	1
437	Undirgaon	Shrirampur	Ahmadnagar	74.698	19.671	Percolation tank	1

**Annexure- VIII: Location of proposed check dam in Ahmednagar district**

SN	Village	Taluka	District	X	Y	Structure	No of structures proposed in village
1	Anjanapur	Kopargaon	Ahmadnagar	74.329	19.771	Check dam	2
2	Bahadarbad	Kopargaon	Ahmadnagar	74.371	19.795	Check dam	2
3	Bahadarpur	Kopargaon	Ahmadnagar	74.339	19.785	Check dam	2
4	Bahadarpur	Kopargaon	Ahmadnagar	74.333	19.782	Check dam	2
5	Bhojade	Kopargaon	Ahmadnagar	74.589	19.875	Check dam	2
6	Bhojade	Kopargaon	Ahmadnagar	74.592	19.884	Check dam	2
7	Bhojade	Kopargaon	Ahmadnagar	74.601	19.873	Check dam	2
8	Bolaki	Kopargaon	Ahmadnagar	74.514	19.939	Check dam	2
9	Bramhangaon	Kopargaon	Ahmadnagar	74.446	19.949	Check dam	2
10	Bramhangaon	Kopargaon	Ahmadnagar	74.434	19.950	Check dam	3
11	Chandgavhan	Kopargaon	Ahmadnagar	74.448	19.879	Check dam	2
12	Dauch Kh.	Kopargaon	Ahmadnagar	74.450	19.852	Check dam	2
13	Dhamori	Kopargaon	Ahmadnagar	74.350	19.957	Check dam	2
14	Dharangaon	Kopargaon	Ahmadnagar	74.442	19.921	Check dam	2
15	Dharangaon	Kopargaon	Ahmadnagar	74.434	19.898	Check dam	2
16	Dharangaon	Kopargaon	Ahmadnagar	74.434	19.923	Check dam	2
17	Dharangaon	Kopargaon	Ahmadnagar	74.431	19.908	Check dam	2
18	Dhotre	Kopargaon	Ahmadnagar	74.624	19.874	Check dam	2
19	Dhotre	Kopargaon	Ahmadnagar	74.621	19.860	Check dam	2
20	Dhotre	Kopargaon	Ahmadnagar	74.628	19.849	Check dam	2
21	Ghoyegaon	Kopargaon	Ahmadnagar	74.621	19.921	Check dam	3
22	Javalke	Kopargaon	Ahmadnagar	74.365	19.787	Check dam	2
23	Javalke	Kopargaon	Ahmadnagar	74.373	19.784	Check dam	2
24	Javalke	Kopargaon	Ahmadnagar	74.358	19.792	Check dam	2
25	Jeur Patoda	Kopargaon	Ahmadnagar	74.476	19.889	Check dam	3
26	Kanhegaon	Kopargaon	Ahmadnagar	74.558	19.847	Check dam	2
27	Karanji Bk.	Kopargaon	Ahmadnagar	74.523	19.935	Check dam	2
28	Karanji Bk.	Kopargaon	Ahmadnagar	74.535	19.944	Check dam	2
29	Karanji Bk.	Kopargaon	Ahmadnagar	74.541	19.955	Check dam	2
30	Karwadi	Kopargaon	Ahmadnagar	74.320	19.906	Check dam	2
31	Kasali	Kopargaon	Ahmadnagar	74.587	19.921	Check dam	2
32	Khirdi Ganesh	Kopargaon	Ahmadnagar	74.490	19.940	Check dam	2
33	Khirdi Ganesh	Kopargaon	Ahmadnagar	74.499	19.931	Check dam	2
34	Kokamthan	Kopargaon	Ahmadnagar	74.510	19.820	Check dam	2
35	Kokamthan	Kopargaon	Ahmadnagar	74.511	19.883	Check dam	2
36	Kokamthan	Kopargaon	Ahmadnagar	74.529	19.871	Check dam	2
37	Kolgaon Thadi	Kopargaon	Ahmadnagar	74.376	19.887	Check dam	2
38	Kolpewadi	Kopargaon	Ahmadnagar	74.374	19.909	Check dam	2
39	KOPARGAON	Kopargaon	Ahmadnagar	74.502	19.892	Check dam	2
40	KOPARGAON	Kopargaon	Ahmadnagar	74.493	19.904	Check dam	2
41	Kumbhari	Kopargaon	Ahmadnagar	74.395	19.868	Check dam	2
42	Kumbhari	Kopargaon	Ahmadnagar	74.414	19.870	Check dam	2
43	Louki	Kopargaon	Ahmadnagar	74.610	19.887	Check dam	2
44	Madhi Bk	Kopargaon	Ahmadnagar	74.386	19.868	Check dam	2
45	Mahegaon Deshmukh	Kopargaon	Ahmadnagar	74.396	19.877	Check dam	2
46	Malegaon Thadi	Kopargaon	Ahmadnagar	74.395	19.946	Check dam	2
47	Malegaon Thadi	Kopargaon	Ahmadnagar	74.393	19.959	Check dam	2
48	Malegaon Thadi	Kopargaon	Ahmadnagar	74.411	19.947	Check dam	2
49	Padhegaon	Kopargaon	Ahmadnagar	74.553	19.933	Check dam	2

SN	Village	Taluka	District	X	Y	Structure	No of structures proposed in village
50	Pohegaon Kh.	Kopargaon	Ahmadnagar	74.416	19.789	Check dam	3
51	Pohegaon Kh.	Kopargaon	Ahmadnagar	74.418	19.804	Check dam	2
52	Pohegaon Kh.	Kopargaon	Ahmadnagar	74.423	19.816	Check dam	2
53	Pohegaon Kh.	Kopargaon	Ahmadnagar	74.436	19.820	Check dam	2
54	Ranjangaon Deshmukh	Kopargaon	Ahmadnagar	74.332	19.721	Check dam	2
55	Ranjangaon Deshmukh	Kopargaon	Ahmadnagar	74.335	19.733	Check dam	2
56	Ranjangaon Deshmukh	Kopargaon	Ahmadnagar	74.338	19.747	Check dam	2
57	Ranjangaon Deshmukh	Kopargaon	Ahmadnagar	74.315	19.760	Check dam	2
58	Rawande	Kopargaon	Ahmadnagar	74.410	19.961	Check dam	2
59	Samvatsar	Kopargaon	Ahmadnagar	74.547	19.914	Check dam	3
60	Samvatsar	Kopargaon	Ahmadnagar	74.541	19.884	Check dam	3
61	Sangvi Bhusar	Kopargaon	Ahmadnagar	74.377	19.946	Check dam	2
62	Sangvi Bhusar	Kopargaon	Ahmadnagar	74.358	19.948	Check dam	2
63	Shinganapur	Kopargaon	Ahmadnagar	74.508	19.905	Check dam	2
64	Sonewadi	Kopargaon	Ahmadnagar	74.434	19.835	Check dam	3
65	Suregaon	Kopargaon	Ahmadnagar	74.363	19.919	Check dam	2
66	Tilwani	Kopargaon	Ahmadnagar	74.591	19.931	Check dam	2
67	Ves	Kopargaon	Ahmadnagar	74.359	19.758	Check dam	2
68	Ves	Kopargaon	Ahmadnagar	74.361	19.771	Check dam	2
69	Yesgaon	Kopargaon	Ahmadnagar	74.489	19.952	Check dam	2
70	Akolner	Nagar	Ahmadnagar	74.6635	19.016	Check dam	1
71	Akolner	Nagar	Ahmadnagar	74.6679	19.010	Check dam	1
72	Akolner	Nagar	Ahmadnagar	74.6582	19.008	Check dam	1
73	Akolner	Nagar	Ahmadnagar	74.6529	19.007	Check dam	1
74	Akolner	Nagar	Ahmadnagar	74.6585	19.003	Check dam	1
75	Akolner	Nagar	Ahmadnagar	74.6598	19.004	Check dam	1
76	Akolner	Nagar	Ahmadnagar	74.667	18.990	Check dam	1
77	Bahirwadi	Nagar	Ahmadnagar	74.8358	19.217	Check dam	1
78	Bardari (n.v)	Nagar	Ahmadnagar	74.8451	19.100	Check dam	1
79	Bhingar	Nagar	Ahmadnagar	74.8251	19.104	Check dam	1
80	Bhingar	Nagar	Ahmadnagar	74.8189	19.102	Check dam	1
81	Bhingar	Nagar	Ahmadnagar	74.831	19.095	Check dam	1
82	Bhorwadi	Nagar	Ahmadnagar	74.6258	18.984	Check dam	1
83	Bhorwadi	Nagar	Ahmadnagar	74.6275	18.981	Check dam	1
84	Bhorwadi	Nagar	Ahmadnagar	74.6341	18.968	Check dam	1
85	Bhorwadi	Nagar	Ahmadnagar	74.6155	18.974	Check dam	1
86	Bhorwadi	Nagar	Ahmadnagar	74.6183	18.977	Check dam	1
87	Bhorwadi	Nagar	Ahmadnagar	74.6219	18.981	Check dam	1
88	Bhorwadi	Nagar	Ahmadnagar	74.6115	18.972	Check dam	1
89	Bhorwadi	Nagar	Ahmadnagar	74.5932	18.975	Check dam	1
90	Bhorwadi	Nagar	Ahmadnagar	74.5975	18.977	Check dam	1
91	Bhorwadi	Nagar	Ahmadnagar	74.5996	18.980	Check dam	1
92	Bhorwadi	Nagar	Ahmadnagar	74.6021	18.984	Check dam	1
93	Bhorwadi	Nagar	Ahmadnagar	74.6405	19.016	Check dam	1
94	Bhorwadi	Nagar	Ahmadnagar	74.6399	19.002	Check dam	1
95	Bhorwadi	Nagar	Ahmadnagar	74.6337	19.006	Check dam	1
96	Bhorwadi	Nagar	Ahmadnagar	74.6256	19.023	Check dam	1
97	Bhoyare Kh	Nagar	Ahmadnagar	74.5972	19.033	Check dam	1
98	Bhoyare Kh	Nagar	Ahmadnagar	74.5992	19.036	Check dam	1
99	Bhoyare Kh	Nagar	Ahmadnagar	74.6043	19.034	Check dam	1

SN	Village	Taluka	District	X	Y	Structure	No of structures proposed in village
100	Bhoyare Kh	Nagar	Ahmadnagar	74.6083	19.031	Check dam	1
101	Bhoyare Kh	Nagar	Ahmadnagar	74.6116	19.031	Check dam	1
102	Bhoyare Kh	Nagar	Ahmadnagar	74.6081	19.028	Check dam	1
103	Chas	Nagar	Ahmadnagar	74.6359	19.029	Check dam	1
104	Chas	Nagar	Ahmadnagar	74.6324	19.030	Check dam	1
105	Chas	Nagar	Ahmadnagar	74.6346	19.031	Check dam	1
106	Chas	Nagar	Ahmadnagar	74.6416	19.038	Check dam	1
107	Chas	Nagar	Ahmadnagar	74.6471	19.025	Check dam	1
108	Chas	Nagar	Ahmadnagar	74.6485	19.027	Check dam	1
109	Chas	Nagar	Ahmadnagar	74.6278	19.024	Check dam	1
110	Chas	Nagar	Ahmadnagar	74.6568	19.039	Check dam	1
111	Chas	Nagar	Ahmadnagar	74.6663	19.048	Check dam	1
112	Chas	Nagar	Ahmadnagar	74.6745	19.049	Check dam	1
113	Chas	Nagar	Ahmadnagar	74.6799	19.051	Check dam	1
114	Chas	Nagar	Ahmadnagar	74.6857	19.050	Check dam	1
115	Deulgaon Siddhi	Nagar	Ahmadnagar	74.7274	18.933	Check dam	1
116	Deulgaon Siddhi	Nagar	Ahmadnagar	74.7279	18.937	Check dam	1
117	Deulgaon Siddhi	Nagar	Ahmadnagar	74.7131	18.922	Check dam	1
118	Deulgaon Siddhi	Nagar	Ahmadnagar	74.7092	18.918	Check dam	1
119	Deulgaon Siddhi	Nagar	Ahmadnagar	74.7061	18.915	Check dam	1
120	Deulgaon Siddhi	Nagar	Ahmadnagar	74.6997	18.913	Check dam	1
121	Deulgaon Siddhi	Nagar	Ahmadnagar	74.742	18.916	Check dam	1
122	Deulgaon Siddhi	Nagar	Ahmadnagar	74.7386	18.916	Check dam	1
123	Deulgaon Siddhi	Nagar	Ahmadnagar	74.7389	18.938	Check dam	1
124	Deulgaon Siddhi	Nagar	Ahmadnagar	74.7388	18.934	Check dam	1
125	Deulgaon Siddhi	Nagar	Ahmadnagar	74.747	18.938	Check dam	1
126	Deulgaon Siddhi	Nagar	Ahmadnagar	74.7467	18.942	Check dam	1
127	Dongargan	Nagar	Ahmadnagar	74.7495	19.238	Check dam	1
128	Dongargan	Nagar	Ahmadnagar	74.7643	19.237	Check dam	1
129	Dongargan	Nagar	Ahmadnagar	74.7713	19.239	Check dam	1
130	Dongargan	Nagar	Ahmadnagar	74.7774	19.242	Check dam	1
131	Dongargan	Nagar	Ahmadnagar	74.7847	19.243	Check dam	1
132	Dongargan	Nagar	Ahmadnagar	74.7517	19.232	Check dam	1
133	Dongargan	Nagar	Ahmadnagar	74.7872	19.241	Check dam	1
134	Dongargan	Nagar	Ahmadnagar	74.7822	19.238	Check dam	1
135	Dongargan	Nagar	Ahmadnagar	74.7753	19.236	Check dam	1
136	Dongargan	Nagar	Ahmadnagar	74.7729	19.235	Check dam	1
137	Dongargan	Nagar	Ahmadnagar	74.7485	19.236	Check dam	1
138	Ghospuri	Nagar	Ahmadnagar	74.6691	18.924	Check dam	1
139	Ghospuri	Nagar	Ahmadnagar	74.6609	18.917	Check dam	1
140	Ghospuri	Nagar	Ahmadnagar	74.6577	18.918	Check dam	1
141	Ghospuri	Nagar	Ahmadnagar	74.656	18.921	Check dam	1
142	Ghospuri	Nagar	Ahmadnagar	74.6556	18.917	Check dam	1
143	Ghospuri	Nagar	Ahmadnagar	74.6557	18.914	Check dam	1
144	Ghospuri	Nagar	Ahmadnagar	74.6539	18.908	Check dam	1
145	Ghospuri	Nagar	Ahmadnagar	74.6546	18.901	Check dam	1
146	Ghospuri	Nagar	Ahmadnagar	74.6577	18.897	Check dam	1
147	Ghospuri	Nagar	Ahmadnagar	74.6598	18.894	Check dam	1
148	Ghospuri	Nagar	Ahmadnagar	74.6542	18.904	Check dam	1
149	Ghospuri	Nagar	Ahmadnagar	74.6383	18.896	Check dam	1

SN	Village	Taluka	District	X	Y	Structure	No of structures proposed in village
150	Ghospuri	Nagar	Ahmadnagar	74.6364	18.891	Check dam	1
151	Ghospuri	Nagar	Ahmadnagar	74.6405	18.888	Check dam	1
152	Ghospuri	Nagar	Ahmadnagar	74.642	18.891	Check dam	1
153	Ghospuri	Nagar	Ahmadnagar	74.6624	18.909	Check dam	1
154	Ghospuri	Nagar	Ahmadnagar	74.6614	18.913	Check dam	1
155	Ghospuri	Nagar	Ahmadnagar	74.6642	18.906	Check dam	1
156	Ghospuri	Nagar	Ahmadnagar	74.6655	18.902	Check dam	1
157	Ghospuri	Nagar	Ahmadnagar	74.6433	18.921	Check dam	1
158	Ghospuri	Nagar	Ahmadnagar	74.6419	18.927	Check dam	1
159	Ghospuri	Nagar	Ahmadnagar	74.6392	18.923	Check dam	1
160	Ghospuri	Nagar	Ahmadnagar	74.6362	18.922	Check dam	1
161	Ghospuri	Nagar	Ahmadnagar	74.631	18.910	Check dam	1
162	Ghospuri	Nagar	Ahmadnagar	74.631	18.908	Check dam	1
163	Ghospuri	Nagar	Ahmadnagar	74.6346	18.907	Check dam	1
164	Hivare Zare	Nagar	Ahmadnagar	74.7173	18.931	Check dam	1
165	Hivare Zare	Nagar	Ahmadnagar	74.7136	18.926	Check dam	1
166	Hivare Zare	Nagar	Ahmadnagar	74.6973	18.912	Check dam	1
167	Hivare Zare	Nagar	Ahmadnagar	74.693	18.912	Check dam	1
168	Hivare Zare	Nagar	Ahmadnagar	74.6919	18.914	Check dam	1
169	Hivare Zare	Nagar	Ahmadnagar	74.6864	18.915	Check dam	1
170	Hivare Zare	Nagar	Ahmadnagar	74.7145	18.928	Check dam	1
171	Hivare Zare	Nagar	Ahmadnagar	74.6946	18.933	Check dam	1
172	Hivare Zare	Nagar	Ahmadnagar	74.6914	18.932	Check dam	1
173	Hivare Zare	Nagar	Ahmadnagar	74.6877	18.929	Check dam	1
174	Hivare Zare	Nagar	Ahmadnagar	74.6896	18.930	Check dam	1
175	Imampur	Nagar	Ahmadnagar	74.8363	19.233	Check dam	1
176	Imampur	Nagar	Ahmadnagar	74.8427	19.218	Check dam	1
177	Imampur	Nagar	Ahmadnagar	74.8136	19.234	Check dam	1
178	Imampur	Nagar	Ahmadnagar	74.8291	19.220	Check dam	1
179	Imampur	Nagar	Ahmadnagar	74.8282	19.222	Check dam	1
180	Islak	Nagar	Ahmadnagar	74.6638	19.141	Check dam	1
181	Islak	Nagar	Ahmadnagar	74.6618	19.134	Check dam	1
182	Islak	Nagar	Ahmadnagar	74.6602	19.143	Check dam	1
183	Islak	Nagar	Ahmadnagar	74.6716	19.141	Check dam	1
184	Islak	Nagar	Ahmadnagar	74.6692	19.167	Check dam	1
185	Islak	Nagar	Ahmadnagar	74.6718	19.157	Check dam	1
186	Islak	Nagar	Ahmadnagar	74.6744	19.155	Check dam	1
187	Islak	Nagar	Ahmadnagar	74.6762	19.153	Check dam	1
188	Jeur	Nagar	Ahmadnagar	74.8304	19.232	Check dam	1
189	Jeur	Nagar	Ahmadnagar	74.8304	19.174	Check dam	1
190	Jeur	Nagar	Ahmadnagar	74.8564	19.174	Check dam	1
191	Jeur	Nagar	Ahmadnagar	74.8352	19.176	Check dam	1
192	Jeur	Nagar	Ahmadnagar	74.7995	19.249	Check dam	1
193	Jeur	Nagar	Ahmadnagar	74.8034	19.248	Check dam	1
194	Jeur	Nagar	Ahmadnagar	74.8073	19.241	Check dam	1
195	Jeur	Nagar	Ahmadnagar	74.8109	19.245	Check dam	1
196	Jeur	Nagar	Ahmadnagar	74.817	19.242	Check dam	1
197	Jeur	Nagar	Ahmadnagar	74.8196	19.235	Check dam	1
198	Jeur	Nagar	Ahmadnagar	74.826	19.237	Check dam	1
199	Jeur	Nagar	Ahmadnagar	74.8318	19.240	Check dam	1

SN	Village	Taluka	District	X	Y	Structure	No of structures proposed in village
200	Jeur	Nagar	Ahmadnagar	74.7982	19.233	Check dam	1
201	Kamargaon	Nagar	Ahmadnagar	74.5805	18.988	Check dam	1
202	Kamargaon	Nagar	Ahmadnagar	74.5848	18.991	Check dam	1
203	Kamargaon	Nagar	Ahmadnagar	74.5877	18.994	Check dam	1
204	Kamargaon	Nagar	Ahmadnagar	74.5911	18.995	Check dam	1
205	Kamargaon	Nagar	Ahmadnagar	74.5664	19.021	Check dam	1
206	Kamargaon	Nagar	Ahmadnagar	74.5743	19.026	Check dam	1
207	Kamargaon	Nagar	Ahmadnagar	74.5722	19.020	Check dam	1
208	Kamargaon	Nagar	Ahmadnagar	74.5707	19.014	Check dam	1
209	Kamargaon	Nagar	Ahmadnagar	74.5801	19.014	Check dam	1
210	Kamargaon	Nagar	Ahmadnagar	74.5933	19.031	Check dam	1
211	Kamargaon	Nagar	Ahmadnagar	74.5949	19.009	Check dam	1
212	Kamargaon	Nagar	Ahmadnagar	74.5958	19.013	Check dam	1
213	Kamargaon	Nagar	Ahmadnagar	74.5943	19.005	Check dam	1
214	Kamargaon	Nagar	Ahmadnagar	74.5771	18.989	Check dam	1
215	Kamargaon	Nagar	Ahmadnagar	74.5728	18.992	Check dam	1
216	Kapurwadi	Nagar	Ahmadnagar	74.8215	19.117	Check dam	1
217	Kapurwadi	Nagar	Ahmadnagar	74.8151	19.115	Check dam	1
218	Kapurwadi	Nagar	Ahmadnagar	74.8117	19.109	Check dam	1
219	Kapurwadi	Nagar	Ahmadnagar	74.8263	19.116	Check dam	1
220	Kapurwadi	Nagar	Ahmadnagar	74.8161	19.122	Check dam	1
221	Kapurwadi	Nagar	Ahmadnagar	74.8233	19.134	Check dam	1
222	Kapurwadi	Nagar	Ahmadnagar	74.8233	19.138	Check dam	1
223	Karjunekhare	Nagar	Ahmadnagar	74.6627	19.167	Check dam	1
224	Karjunekhare	Nagar	Ahmadnagar	74.6524	19.147	Check dam	1
225	Karjunekhare	Nagar	Ahmadnagar	74.6538	19.142	Check dam	1
226	Karjunekhare	Nagar	Ahmadnagar	74.6521	19.170	Check dam	1
227	Karjunekhare	Nagar	Ahmadnagar	74.6434	19.164	Check dam	1
228	Karjunekhare	Nagar	Ahmadnagar	74.6317	19.161	Check dam	1
229	Karjunekhare	Nagar	Ahmadnagar	74.6182	19.156	Check dam	1
230	Karjunekhare	Nagar	Ahmadnagar	74.6136	19.140	Check dam	1
231	Karjunekhare	Nagar	Ahmadnagar	74.6214	19.139	Check dam	1
232	Karjunekhare	Nagar	Ahmadnagar	74.6292	19.139	Check dam	1
233	Karjunekhare	Nagar	Ahmadnagar	74.6363	19.138	Check dam	1
234	Karjunekhare	Nagar	Ahmadnagar	74.648	19.137	Check dam	1
235	Karjunekhare	Nagar	Ahmadnagar	74.6533	19.135	Check dam	1
236	Kedgaon	Nagar	Ahmadnagar	74.6909	19.052	Check dam	1
237	Kedgaon	Nagar	Ahmadnagar	74.6973	19.052	Check dam	1
238	Kedgaon	Nagar	Ahmadnagar	74.6951	19.047	Check dam	1
239	Kedgaon	Nagar	Ahmadnagar	74.6934	19.059	Check dam	1
240	Majale-chincholi	Nagar	Ahmadnagar	74.85	19.229	Check dam	1
241	Majale-chincholi	Nagar	Ahmadnagar	74.8659	19.228	Check dam	1
242	Majale-chincholi	Nagar	Ahmadnagar	74.874	19.233	Check dam	1
243	Majale-chincholi	Nagar	Ahmadnagar	74.881	19.225	Check dam	1
244	Majale-chincholi	Nagar	Ahmadnagar	74.8519	19.211	Check dam	1
245	Majale-chincholi	Nagar	Ahmadnagar	74.862	19.225	Check dam	1
246	Majale-chincholi	Nagar	Ahmadnagar	74.8673	19.215	Check dam	1
247	Majale-chincholi	Nagar	Ahmadnagar	74.8413	19.233	Check dam	1
248	Majale-chincholi	Nagar	Ahmadnagar	74.8469	19.221	Check dam	1
249	Manjar Sumbha	Nagar	Ahmadnagar	74.7327	19.229	Check dam	1



SN	Village	Taluka	District	X	Y	Structure	No of structures proposed in village
250	Manjar Sumbha	Nagar	Ahmadnagar	74.7422	19.238	Check dam	1
251	Manjar Sumbha	Nagar	Ahmadnagar	74.7166	19.220	Check dam	1
252	Manjar Sumbha	Nagar	Ahmadnagar	74.7421	19.231	Check dam	1
253	Manjar Sumbha	Nagar	Ahmadnagar	74.7418	19.239	Check dam	1
254	Manjar Sumbha	Nagar	Ahmadnagar	74.7371	19.239	Check dam	1
255	Mehekari	Nagar	Ahmadnagar	74.857	19.091	Check dam	1
256	Mehekari	Nagar	Ahmadnagar	74.8617	19.089	Check dam	1
257	Mehekari	Nagar	Ahmadnagar	74.8653	19.089	Check dam	1
258	Mehekari	Nagar	Ahmadnagar	74.8524	19.090	Check dam	1
259	Nimblak	Nagar	Ahmadnagar	74.6794	19.155	Check dam	1
260	Nimblak	Nagar	Ahmadnagar	74.6842	19.162	Check dam	1
261	Nimblak	Nagar	Ahmadnagar	74.6881	19.160	Check dam	1
262	Nimblak	Nagar	Ahmadnagar	74.6818	19.167	Check dam	1
263	Nimblak	Nagar	Ahmadnagar	74.6861	19.166	Check dam	1
264	Nimblak	Nagar	Ahmadnagar	74.6808	19.152	Check dam	1
265	Nimgaon Wagha	Nagar	Ahmadnagar	74.6464	19.054	Check dam	1
266	Nimgaon Wagha	Nagar	Ahmadnagar	74.6758	19.066	Check dam	1
267	Nimgaon Wagha	Nagar	Ahmadnagar	74.6734	19.071	Check dam	1
268	Nimgaon Wagha	Nagar	Ahmadnagar	74.6727	19.076	Check dam	1
269	Nimgaon Wagha	Nagar	Ahmadnagar	74.666	19.066	Check dam	1
270	Nimgaon Wagha	Nagar	Ahmadnagar	74.6651	19.069	Check dam	1
271	Nimgaon Wagha	Nagar	Ahmadnagar	74.6621	19.070	Check dam	1
272	Nimgaon Wagha	Nagar	Ahmadnagar	74.6598	19.066	Check dam	1
273	Nimgaon Wagha	Nagar	Ahmadnagar	74.6558	19.062	Check dam	1
274	Pimpalgaon Kauda	Nagar	Ahmadnagar	74.5686	19.025	Check dam	1
275	Pimpalgaon Malvi	Nagar	Ahmadnagar	74.7135	19.216	Check dam	1
276	Pimpalgaon Malvi	Nagar	Ahmadnagar	74.7166	19.215	Check dam	1
277	Pimpalgaon Ujjaini	Nagar	Ahmadnagar	74.8257	19.169	Check dam	1
278	Pimpalgaon Ujjaini	Nagar	Ahmadnagar	74.8193	19.161	Check dam	1
279	Pimpalgaon Ujjaini	Nagar	Ahmadnagar	74.8129	19.163	Check dam	1
280	Pimpalgaon Ujjaini	Nagar	Ahmadnagar	74.8073	19.162	Check dam	1
281	Pimpalgaon Ujjaini	Nagar	Ahmadnagar	74.8104	19.159	Check dam	1
282	Pimpalgaon Ujjaini	Nagar	Ahmadnagar	74.8193	19.145	Check dam	1
283	Pimpalgaon Wagha	Nagar	Ahmadnagar	74.6337	19.057	Check dam	1
284	Pimpalgaon Wagha	Nagar	Ahmadnagar	74.6306	19.054	Check dam	1
285	Pimpalgaon Wagha	Nagar	Ahmadnagar	74.6325	19.054	Check dam	1
286	Pimpalgaon Wagha	Nagar	Ahmadnagar	74.6419	19.054	Check dam	1
287	Sarola Kasar	Nagar	Ahmadnagar	74.638	18.970	Check dam	1
288	Sarola Kasar	Nagar	Ahmadnagar	74.6409	18.971	Check dam	1
289	Sarola Kasar	Nagar	Ahmadnagar	74.6457	18.974	Check dam	1
290	Sarola Kasar	Nagar	Ahmadnagar	74.6475	18.978	Check dam	1
291	Sarola Kasar	Nagar	Ahmadnagar	74.6457	18.980	Check dam	1
292	Sarola Kasar	Nagar	Ahmadnagar	74.6436	18.977	Check dam	1
293	Sarola Kasar	Nagar	Ahmadnagar	74.6482	18.975	Check dam	1
294	Sarola Kasar	Nagar	Ahmadnagar	74.6526	18.978	Check dam	1
295	Sarola Kasar	Nagar	Ahmadnagar	74.6574	18.964	Check dam	1
296	Sarola Kasar	Nagar	Ahmadnagar	74.6595	18.962	Check dam	1
297	Sarola Kasar	Nagar	Ahmadnagar	74.66	18.965	Check dam	1
298	Sarola Kasar	Nagar	Ahmadnagar	74.6525	18.959	Check dam	1
299	Sarola Kasar	Nagar	Ahmadnagar	74.6479	18.962	Check dam	1

SN	Village	Taluka	District	X	Y	Structure	No of structures proposed in village
300	Sasewadi	Nagar	Ahmadnagar	74.8528	19.190	Check dam	1
301	Sasewadi	Nagar	Ahmadnagar	74.8483	19.197	Check dam	1
302	Sasewadi	Nagar	Ahmadnagar	74.8383	19.191	Check dam	1
303	Sasewadi	Nagar	Ahmadnagar	74.8383	19.194	Check dam	1
304	Sasewadi	Nagar	Ahmadnagar	74.8397	19.198	Check dam	1
305	Sasewadi	Nagar	Ahmadnagar	74.843	19.196	Check dam	1
306	Sasewadi	Nagar	Ahmadnagar	74.8572	19.177	Check dam	1
307	Shendi	Nagar	Ahmadnagar	74.797	19.160	Check dam	1
308	Shendi	Nagar	Ahmadnagar	74.8	19.158	Check dam	1
309	Sonewadi (n.v.)	Nagar	Ahmadnagar	74.8575	19.083	Check dam	1
310	Udarmal	Nagar	Ahmadnagar	74.8779	19.217	Check dam	1
311	Udarmal	Nagar	Ahmadnagar	74.8726	19.213	Check dam	1
312	Udarmal	Nagar	Ahmadnagar	74.8732	19.217	Check dam	1
313	Udarmal	Nagar	Ahmadnagar	74.8737	19.215	Check dam	1
314	Vilad	Nagar	Ahmadnagar	74.6909	19.183	Check dam	1
315	Vilad	Nagar	Ahmadnagar	74.692	19.188	Check dam	1
316	Vilad	Nagar	Ahmadnagar	74.6962	19.199	Check dam	1
317	Vilad	Nagar	Ahmadnagar	74.7034	19.207	Check dam	1
318	Vilad	Nagar	Ahmadnagar	74.6804	19.175	Check dam	1
319	Vilad	Nagar	Ahmadnagar	74.6778	19.178	Check dam	1
320	Vilad	Nagar	Ahmadnagar	74.6772	19.185	Check dam	1
321	Vilad	Nagar	Ahmadnagar	74.6737	19.180	Check dam	1
322	Vilad	Nagar	Ahmadnagar	74.6737	19.184	Check dam	1
323	Vilad	Nagar	Ahmadnagar	74.6967	19.187	Check dam	1
324	Vilad	Nagar	Ahmadnagar	74.6928	19.198	Check dam	1
325	Vilad	Nagar	Ahmadnagar	74.7023	19.201	Check dam	1
326	Walki	Nagar	Ahmadnagar	74.7453	18.947	Check dam	1
327	Watephal	Nagar	Ahmadnagar	74.8179	18.937	Check dam	1
328	Watephal	Nagar	Ahmadnagar	74.8173	18.936	Check dam	1
329	Watephal	Nagar	Ahmadnagar	74.812	18.949	Check dam	1
330	Watephal	Nagar	Ahmadnagar	74.8053	18.948	Check dam	1
331	Watephal	Nagar	Ahmadnagar	74.7985	18.952	Check dam	1
332	Watephal	Nagar	Ahmadnagar	74.7988	18.948	Check dam	1
333	Babhulwedhe	Nevasa	Ahmadnagar	74.9124	19.470	Check dam	1
334	Babhulwedhe	Nevasa	Ahmadnagar	74.9128	19.463	Check dam	1
335	Babhulwedhe	Nevasa	Ahmadnagar	74.9319	19.468	Check dam	1
336	Babhulwedhe	Nevasa	Ahmadnagar	74.9119	19.466	Check dam	1
337	Barhanpur	Nevasa	Ahmadnagar	74.9009	19.383	Check dam	1
338	Barhanpur	Nevasa	Ahmadnagar	74.8973	19.373	Check dam	1
339	Barhanpur	Nevasa	Ahmadnagar	74.8956	19.363	Check dam	1
340	Barhanpur	Nevasa	Ahmadnagar	74.8956	19.391	Check dam	1
341	Barhanpur	Nevasa	Ahmadnagar	74.8952	19.382	Check dam	1
342	Barhanpur	Nevasa	Ahmadnagar	74.9001	19.377	Check dam	1
343	Bhanashiware	Nevasa	Ahmadnagar	74.9389	19.486	Check dam	1
344	Bhanashiware	Nevasa	Ahmadnagar	74.9417	19.468	Check dam	1
345	Bhanashiware	Nevasa	Ahmadnagar	74.9487	19.455	Check dam	1
346	Bhanashiware	Nevasa	Ahmadnagar	74.9425	19.461	Check dam	1
347	Bhanashiware	Nevasa	Ahmadnagar	74.9544	19.462	Check dam	1
348	Bhanashiware	Nevasa	Ahmadnagar	74.9458	19.461	Check dam	1
349	Bhanashiware	Nevasa	Ahmadnagar	74.9556	19.480	Check dam	1

SN	Village	Taluka	District	X	Y	Structure	No of structures proposed in village
350	Bhanashiware	Nevasa	Ahmadnagar	74.9572	19.487	Check dam	1
351	Chanda	Nevasa	Ahmadnagar	74.916	19.331	Check dam	1
352	Chanda	Nevasa	Ahmadnagar	74.914	19.344	Check dam	1
353	Chanda	Nevasa	Ahmadnagar	74.9103	19.354	Check dam	1
354	Chanda	Nevasa	Ahmadnagar	74.9071	19.366	Check dam	1
355	Chanda	Nevasa	Ahmadnagar	74.9062	19.376	Check dam	1
356	Chanda	Nevasa	Ahmadnagar	74.8952	19.353	Check dam	1
357	Chanda	Nevasa	Ahmadnagar	74.8948	19.343	Check dam	1
358	Chanda	Nevasa	Ahmadnagar	74.9401	19.341	Check dam	1
359	Chanda	Nevasa	Ahmadnagar	74.9344	19.351	Check dam	1
360	Chanda	Nevasa	Ahmadnagar	74.9454	19.336	Check dam	1
361	Chanda	Nevasa	Ahmadnagar	74.9124	19.380	Check dam	1
362	Chanda	Nevasa	Ahmadnagar	74.9107	19.358	Check dam	1
363	Dhangarwadi	Nevasa	Ahmadnagar	74.8139	19.349	Check dam	1
364	Dhangarwadi	Nevasa	Ahmadnagar	74.8028	19.338	Check dam	1
365	Dhangarwadi	Nevasa	Ahmadnagar	74.8086	19.345	Check dam	1
366	Ganeshwadi	Nevasa	Ahmadnagar	74.8165	19.421	Check dam	1
367	Ganeshwadi	Nevasa	Ahmadnagar	74.8185	19.429	Check dam	1
368	Ganeshwadi	Nevasa	Ahmadnagar	74.8169	19.416	Check dam	1
369	Ganeshwadi	Nevasa	Ahmadnagar	74.8259	19.434	Check dam	1
370	Ganeshwadi	Nevasa	Ahmadnagar	74.843	19.422	Check dam	1
371	Ganeshwadi	Nevasa	Ahmadnagar	74.8353	19.415	Check dam	1
372	Ganeshwadi	Nevasa	Ahmadnagar	74.823	19.409	Check dam	1
373	Ganeshwadi	Nevasa	Ahmadnagar	74.843	19.413	Check dam	1
374	Ganeshwadi	Nevasa	Ahmadnagar	74.8396	19.414	Check dam	1
375	Ghodegaon	Nevasa	Ahmadnagar	74.8663	19.337	Check dam	1
376	Ghodegaon	Nevasa	Ahmadnagar	74.8634	19.329	Check dam	1
377	Ghodegaon	Nevasa	Ahmadnagar	74.8724	19.358	Check dam	1
378	Ghodegaon	Nevasa	Ahmadnagar	74.8801	19.334	Check dam	1
379	Ghodegaon	Nevasa	Ahmadnagar	74.8601	19.360	Check dam	1
380	Handi Nimgaon	Nevasa	Ahmadnagar	74.9205	19.492	Check dam	1
381	Handi Nimgaon	Nevasa	Ahmadnagar	74.9327	19.493	Check dam	1
382	Hingoni	Nevasa	Ahmadnagar	74.8553	19.382	Check dam	1
383	Hingoni	Nevasa	Ahmadnagar	74.8516	19.378	Check dam	1
384	Hingoni	Nevasa	Ahmadnagar	74.8524	19.383	Check dam	1
385	Hingoni	Nevasa	Ahmadnagar	74.8618	19.400	Check dam	1
386	Hingoni	Nevasa	Ahmadnagar	74.8491	19.384	Check dam	1
387	Hingoni	Nevasa	Ahmadnagar	74.8597	19.388	Check dam	1
388	Kangoni	Nevasa	Ahmadnagar	74.8789	19.393	Check dam	1
389	Kangoni	Nevasa	Ahmadnagar	74.8793	19.386	Check dam	1
390	Kangoni	Nevasa	Ahmadnagar	74.8712	19.365	Check dam	1
391	Kangoni	Nevasa	Ahmadnagar	74.8736	19.388	Check dam	1
392	Kangoni	Nevasa	Ahmadnagar	74.8536	19.365	Check dam	1
393	Kangoni	Nevasa	Ahmadnagar	74.8728	19.383	Check dam	1
394	Kangoni	Nevasa	Ahmadnagar	74.8765	19.398	Check dam	1
395	Kangoni	Nevasa	Ahmadnagar	74.8759	19.388	Check dam	1
396	Kangoni	Nevasa	Ahmadnagar	74.8655	19.373	Check dam	1
397	Kangoni	Nevasa	Ahmadnagar	74.8683	19.381	Check dam	1
398	Kangoni	Nevasa	Ahmadnagar	74.8724	19.392	Check dam	1
399	Kangoni	Nevasa	Ahmadnagar	74.8742	19.396	Check dam	1

SN	Village	Taluka	District	X	Y	Structure	No of structures proposed in village
400	Kangoni	Nevasa	Ahmadnagar	74.8646	19.369	Check dam	1
401	Karajgaon	Nevasa	Ahmadnagar	74.8181	19.443	Check dam	1
402	Karajgaon	Nevasa	Ahmadnagar	74.8218	19.447	Check dam	1
403	Karegaon	Nevasa	Ahmadnagar	74.9427	19.421	Check dam	1
404	Karegaon	Nevasa	Ahmadnagar	74.946	19.412	Check dam	1
405	Kharwandi	Nevasa	Ahmadnagar	74.8634	19.419	Check dam	1
406	Kharwandi	Nevasa	Ahmadnagar	74.8659	19.407	Check dam	1
407	Kharwandi	Nevasa	Ahmadnagar	74.8247	19.451	Check dam	1
408	Kharwandi	Nevasa	Ahmadnagar	74.8956	19.405	Check dam	1
409	Kharwandi	Nevasa	Ahmadnagar	74.8924	19.410	Check dam	1
410	Kharwandi	Nevasa	Ahmadnagar	74.8867	19.429	Check dam	1
411	Kharwandi	Nevasa	Ahmadnagar	74.8528	19.421	Check dam	1
412	Kharwandi	Nevasa	Ahmadnagar	74.8487	19.441	Check dam	1
413	Kharwandi	Nevasa	Ahmadnagar	74.8769	19.409	Check dam	1
414	Kharwandi	Nevasa	Ahmadnagar	74.8748	19.419	Check dam	1
415	Kharwandi	Nevasa	Ahmadnagar	74.8732	19.431	Check dam	1
416	Kharwandi	Nevasa	Ahmadnagar	74.874	19.435	Check dam	1
417	Kharwandi	Nevasa	Ahmadnagar	74.8736	19.413	Check dam	1
418	Kharwandi	Nevasa	Ahmadnagar	74.8736	19.424	Check dam	1
419	Kharwandi	Nevasa	Ahmadnagar	74.8773	19.439	Check dam	1
420	Kharwandi	Nevasa	Ahmadnagar	74.8577	19.433	Check dam	1
421	Kharwandi	Nevasa	Ahmadnagar	74.8863	19.437	Check dam	1
422	Kharwandi	Nevasa	Ahmadnagar	74.8773	19.445	Check dam	1
423	Kharwandi	Nevasa	Ahmadnagar	74.8467	19.425	Check dam	1
424	Kharwandi	Nevasa	Ahmadnagar	74.851	19.419	Check dam	1
425	Kharwandi	Nevasa	Ahmadnagar	74.8548	19.429	Check dam	1
426	Kharwandi	Nevasa	Ahmadnagar	74.8677	19.413	Check dam	1
427	Kharwandi	Nevasa	Ahmadnagar	74.8587	19.419	Check dam	1
428	Loharwadi	Nevasa	Ahmadnagar	74.8977	19.335	Check dam	1
429	Loharwadi	Nevasa	Ahmadnagar	74.9009	19.325	Check dam	1
430	Loharwadi	Nevasa	Ahmadnagar	74.9009	19.318	Check dam	1
431	Lohgaon	Nevasa	Ahmadnagar	74.8349	19.331	Check dam	1
432	Lohgaon	Nevasa	Ahmadnagar	74.8389	19.338	Check dam	1
433	Lohgaon	Nevasa	Ahmadnagar	74.8234	19.330	Check dam	1
434	Lohgaon	Nevasa	Ahmadnagar	74.8283	19.319	Check dam	1
435	Lohgaon	Nevasa	Ahmadnagar	74.8328	19.319	Check dam	1
436	Lohgaon	Nevasa	Ahmadnagar	74.8387	19.334	Check dam	1
437	Malichinchora	Nevasa	Ahmadnagar	74.9119	19.431	Check dam	1
438	Malichinchora	Nevasa	Ahmadnagar	74.9193	19.433	Check dam	1
439	Malichinchora	Nevasa	Ahmadnagar	74.9164	19.429	Check dam	1
440	Malichinchora	Nevasa	Ahmadnagar	74.9323	19.420	Check dam	1
441	Malichinchora	Nevasa	Ahmadnagar	74.9283	19.418	Check dam	1
442	Malichinchora	Nevasa	Ahmadnagar	74.9205	19.416	Check dam	1
443	Malichinchora	Nevasa	Ahmadnagar	74.9189	19.414	Check dam	1
444	Malichinchora	Nevasa	Ahmadnagar	74.9266	19.449	Check dam	1
445	Malichinchora	Nevasa	Ahmadnagar	74.927	19.457	Check dam	1
446	Malichinchora	Nevasa	Ahmadnagar	74.9466	19.441	Check dam	1
447	Malichinchora	Nevasa	Ahmadnagar	74.947	19.448	Check dam	1
448	Malichinchora	Nevasa	Ahmadnagar	74.936	19.444	Check dam	1
449	Malichinchora	Nevasa	Ahmadnagar	74.9356	19.452	Check dam	1

SN	Village	Taluka	District	X	Y	Structure	No of structures proposed in village
450	Malichinchora	Nevasa	Ahmadnagar	74.9385	19.457	Check dam	1
451	Malichinchora	Nevasa	Ahmadnagar	74.936	19.422	Check dam	1
452	Malichinchora	Nevasa	Ahmadnagar	74.9209	19.427	Check dam	1
453	Mhalas Pimpalgaon	Nevasa	Ahmadnagar	74.9066	19.386	Check dam	1
454	Mhalas Pimpalgaon	Nevasa	Ahmadnagar	74.8973	19.399	Check dam	1
455	Mhalas Pimpalgaon	Nevasa	Ahmadnagar	74.9103	19.391	Check dam	1
456	Mhalas Pimpalgaon	Nevasa	Ahmadnagar	74.9099	19.402	Check dam	1
457	Mhalas Pimpalgaon	Nevasa	Ahmadnagar	74.9119	19.408	Check dam	1
458	Mhalas Pimpalgaon	Nevasa	Ahmadnagar	74.9107	19.396	Check dam	1
459	Morgavhan	Nevasa	Ahmadnagar	74.8871	19.335	Check dam	1
460	Moryachinchore	Nevasa	Ahmadnagar	74.8059	19.336	Check dam	1
461	Moryachinchore	Nevasa	Ahmadnagar	74.7967	19.323	Check dam	1
462	Moryachinchore	Nevasa	Ahmadnagar	74.7971	19.334	Check dam	1
463	Narayanwadi	Nevasa	Ahmadnagar	74.8785	19.475	Check dam	1
464	Narayanwadi	Nevasa	Ahmadnagar	74.8842	19.475	Check dam	1
465	Nevasa Kh.(rural)	Nevasa	Ahmadnagar	74.9119	19.496	Check dam	1
466	Nevasa Kh.(rural)	Nevasa	Ahmadnagar	74.9197	19.497	Check dam	1
467	Nipani Nimgaon	Nevasa	Ahmadnagar	74.8936	19.452	Check dam	1
468	Nipani Nimgaon	Nevasa	Ahmadnagar	74.8867	19.458	Check dam	1
469	Nipani Nimgaon	Nevasa	Ahmadnagar	74.8907	19.455	Check dam	1
470	Panaswadi	Nevasa	Ahmadnagar	74.8336	19.344	Check dam	1
471	Panaswadi	Nevasa	Ahmadnagar	74.8363	19.353	Check dam	1
472	Panaswadi	Nevasa	Ahmadnagar	74.8322	19.341	Check dam	1
473	Panaswadi	Nevasa	Ahmadnagar	74.8385	19.351	Check dam	1
474	Ranjangaon	Nevasa	Ahmadnagar	74.9654	19.440	Check dam	1
475	Ranjangaon	Nevasa	Ahmadnagar	74.9621	19.445	Check dam	1
476	Ranjangaon	Nevasa	Ahmadnagar	74.9601	19.451	Check dam	1
477	Ranjangaon	Nevasa	Ahmadnagar	74.958	19.458	Check dam	1
478	Rastapur	Nevasa	Ahmadnagar	74.9315	19.358	Check dam	1
479	Rastapur	Nevasa	Ahmadnagar	74.9307	19.361	Check dam	1
480	Rastapur	Nevasa	Ahmadnagar	74.9295	19.368	Check dam	1
481	Rastapur	Nevasa	Ahmadnagar	74.9287	19.373	Check dam	1
482	Rastapur	Nevasa	Ahmadnagar	74.9274	19.381	Check dam	1
483	Rastapur	Nevasa	Ahmadnagar	74.925	19.388	Check dam	1
484	Rastapur	Nevasa	Ahmadnagar	74.9258	19.394	Check dam	1
485	Rastapur	Nevasa	Ahmadnagar	74.9462	19.381	Check dam	1
486	Rastapur	Nevasa	Ahmadnagar	74.9397	19.386	Check dam	1
487	Rastapur	Nevasa	Ahmadnagar	74.9303	19.392	Check dam	1
488	Rastapur	Nevasa	Ahmadnagar	74.9336	19.366	Check dam	1
489	Rastapur	Nevasa	Ahmadnagar	74.936	19.360	Check dam	1
490	Rastapur	Nevasa	Ahmadnagar	74.927	19.362	Check dam	1
491	Rastapur	Nevasa	Ahmadnagar	74.9411	19.407	Check dam	1
492	Rastapur	Nevasa	Ahmadnagar	74.945	19.408	Check dam	1
493	Shinganapur	Nevasa	Ahmadnagar	74.8444	19.359	Check dam	1
494	Shinganapur	Nevasa	Ahmadnagar	74.8477	19.358	Check dam	1
495	Shinganapur	Nevasa	Ahmadnagar	74.8483	19.361	Check dam	1
496	Sonai	Nevasa	Ahmadnagar	74.8279	19.379	Check dam	1
497	Sonai	Nevasa	Ahmadnagar	74.834	19.396	Check dam	1
498	Sonai	Nevasa	Ahmadnagar	74.8271	19.406	Check dam	1
499	Sonai	Nevasa	Ahmadnagar	74.8226	19.371	Check dam	1

SN	Village	Taluka	District	X	Y	Structure	No of structures proposed in village
500	Sonai	Nevasa	Ahmadnagar	74.8141	19.356	Check dam	1
501	Sonai	Nevasa	Ahmadnagar	74.8169	19.378	Check dam	1
502	Sonai	Nevasa	Ahmadnagar	74.8153	19.388	Check dam	1
503	Sonai	Nevasa	Ahmadnagar	74.8292	19.400	Check dam	1
504	Sonai	Nevasa	Ahmadnagar	74.8214	19.397	Check dam	1
505	Sonai	Nevasa	Ahmadnagar	74.8226	19.389	Check dam	1
506	Sonai	Nevasa	Ahmadnagar	74.8324	19.385	Check dam	1
507	Sonai	Nevasa	Ahmadnagar	74.8455	19.405	Check dam	1
508	Sonai	Nevasa	Ahmadnagar	74.8241	19.380	Check dam	1
509	Sonai	Nevasa	Ahmadnagar	74.831	19.374	Check dam	1
510	Sonai	Nevasa	Ahmadnagar	74.8192	19.360	Check dam	1
511	Tamaswadi	Nevasa	Ahmadnagar	74.8805	19.461	Check dam	1
512	Tamaswadi	Nevasa	Ahmadnagar	74.8765	19.465	Check dam	1
513	Tamaswadi	Nevasa	Ahmadnagar	74.8597	19.472	Check dam	1
514	Tamaswadi	Nevasa	Ahmadnagar	74.863	19.485	Check dam	1
515	Tamaswadi	Nevasa	Ahmadnagar	74.8789	19.459	Check dam	1
516	Usthal Dumala	Nevasa	Ahmadnagar	74.9148	19.492	Check dam	1
517	Usthal Dumala	Nevasa	Ahmadnagar	74.914	19.486	Check dam	1
518	Usthal Dumala	Nevasa	Ahmadnagar	74.9124	19.477	Check dam	1
519	Usthal Dumala	Nevasa	Ahmadnagar	74.9274	19.473	Check dam	1
520	Usthal Dumala	Nevasa	Ahmadnagar	74.9246	19.479	Check dam	1
521	Usthal Dumala	Nevasa	Ahmadnagar	74.9205	19.487	Check dam	1
522	Usthal Dumala	Nevasa	Ahmadnagar	74.8993	19.480	Check dam	1
523	Usthal Dumala	Nevasa	Ahmadnagar	74.8993	19.485	Check dam	1
524	Usthal Dumala	Nevasa	Ahmadnagar	74.8985	19.490	Check dam	1
525	Usthal Dumala	Nevasa	Ahmadnagar	74.9119	19.472	Check dam	1
526	Wadula Bahiroba	Nevasa	Ahmadnagar	74.8903	19.417	Check dam	1
527	Wadula Bahiroba	Nevasa	Ahmadnagar	74.8883	19.424	Check dam	1
528	Wadula Bahiroba	Nevasa	Ahmadnagar	74.9087	19.428	Check dam	1
529	Wadula Bahiroba	Nevasa	Ahmadnagar	74.8981	19.431	Check dam	1
530	Watapur	Nevasa	Ahmadnagar	74.8467	19.472	Check dam	1
531	Zapwadi	Nevasa	Ahmadnagar	74.8483	19.321	Check dam	1
532	Zapwadi	Nevasa	Ahmadnagar	74.85	19.325	Check dam	1
533	Astagaon	Rahta	Ahmadnagar	74.531	19.645	Check dam	2
534	Astagaon	Rahta	Ahmadnagar	74.513	19.657	Check dam	2
535	Astagaon	Rahta	Ahmadnagar	74.521	19.673	Check dam	2
536	Babhaleshwar Kh.	Rahta	Ahmadnagar	74.486	19.621	Check dam	2
537	Ekrukhe	Rahta	Ahmadnagar	74.519	19.728	Check dam	2
538	Ekrukhe	Rahta	Ahmadnagar	74.526	19.735	Check dam	2
539	Gogalgaon	Rahta	Ahmadnagar	74.433	19.607	Check dam	2
540	Jalgaon	Rahta	Ahmadnagar	74.601	19.687	Check dam	2
541	Kolhar Bk.	Rahta	Ahmadnagar	74.537	19.576	Check dam	2
542	Korhale	Rahta	Ahmadnagar	74.435	19.735	Check dam	2
543	Korhale	Rahta	Ahmadnagar	74.401	19.736	Check dam	2
544	Korhale	Rahta	Ahmadnagar	74.404	19.745	Check dam	2
545	Korhale	Rahta	Ahmadnagar	74.409	19.755	Check dam	2
546	Korhale	Rahta	Ahmadnagar	74.419	19.755	Check dam	2
547	Korhale	Rahta	Ahmadnagar	74.430	19.755	Check dam	2
548	Korhale	Rahta	Ahmadnagar	74.420	19.746	Check dam	2
549	Lohgaon	Rahta	Ahmadnagar	74.492	19.591	Check dam	2

SN	Village	Taluka	District	X	Y	Structure	No of structures proposed in village
550	Lohgaon	Rahta	Ahmadnagar	74.506	19.590	Check dam	2
551	Loni Kh.	Rahta	Ahmadnagar	74.437	19.597	Check dam	2
552	Nandurkhi Bk.	Rahta	Ahmadnagar	74.457	19.759	Check dam	2
553	Nandurkhi Bk.	Rahta	Ahmadnagar	74.449	19.743	Check dam	2
554	Nathu Patalachiwadi	Rahta	Ahmadnagar	74.547	19.751	Check dam	2
555	Nimgaon Korhale	Rahta	Ahmadnagar	74.475	19.782	Check dam	2
556	Pimpalwadi	Rahta	Ahmadnagar	74.508	19.771	Check dam	2
557	Pimpalwadi	Rahta	Ahmadnagar	74.502	19.766	Check dam	2
558	Pimpri Nirmal	Rahta	Ahmadnagar	74.462	19.624	Check dam	2
559	Pimpri Nirmal	Rahta	Ahmadnagar	74.467	19.635	Check dam	2
560	Pimpri Nirmal	Rahta	Ahmadnagar	74.477	19.650	Check dam	2
561	Pimpri Nirmal	Rahta	Ahmadnagar	74.494	19.649	Check dam	2
562	Pimpri Nirmal	Rahta	Ahmadnagar	74.486	19.631	Check dam	2
563	Pimpri Nirmal	Rahta	Ahmadnagar	74.510	19.642	Check dam	2
564	Puntamba	Rahta	Ahmadnagar	74.613	19.725	Check dam	2
565	Puntamba	Rahta	Ahmadnagar	74.602	19.744	Check dam	2
566	RAHTA PIMPLAS	Rahta	Ahmadnagar	74.489	19.705	Check dam	2
567	RAHTA PIMPLAS	Rahta	Ahmadnagar	74.501	19.719	Check dam	2
568	Rajuri	Rahta	Ahmadnagar	74.533	19.614	Check dam	2
569	Rajuri	Rahta	Ahmadnagar	74.533	19.607	Check dam	2
570	Rajuri	Rahta	Ahmadnagar	74.538	19.644	Check dam	2
571	Rastapur	Rahta	Ahmadnagar	74.556	19.774	Check dam	2
572	Rui	Rahta	Ahmadnagar	74.515	19.811	Check dam	2
573	Rui	Rahta	Ahmadnagar	74.495	19.815	Check dam	2
574	Sakuri	Rahta	Ahmadnagar	74.484	19.745	Check dam	2
575	Shingave	Rahta	Ahmadnagar	74.538	19.800	Check dam	2
576	Shingave	Rahta	Ahmadnagar	74.551	19.787	Check dam	2
577	SHIRDI	Rahta	Ahmadnagar	74.492	19.755	Check dam	2
578	Tisgaon	Rahta	Ahmadnagar	74.524	19.587	Check dam	4
579	Wakadi	Rahta	Ahmadnagar	74.585	19.656	Check dam	2
580	Wakadi	Rahta	Ahmadnagar	74.580	19.668	Check dam	2
581	Wakadi	Rahta	Ahmadnagar	74.579	19.696	Check dam	2
582	Wakadi	Rahta	Ahmadnagar	74.567	19.704	Check dam	2
583	WARI	Rahta	Ahmadnagar	74.600	19.853	Check dam	2
584	Bambalewadi	Sangamner	Ahmadnagar	74.255	19.418	Check dam	3
585	Bambalewadi	Sangamner	Ahmadnagar	74.259	19.427	Check dam	3
586	Birewadi	Sangamner	Ahmadnagar	74.321	19.361	Check dam	4
587	Birewadi	Sangamner	Ahmadnagar	74.330	19.359	Check dam	3
588	Chandanapuri	Sangamner	Ahmadnagar	74.199	19.505	Check dam	3
589	Chikhali	Sangamner	Ahmadnagar	74.153	19.556	Check dam	3
590	Chikhali	Sangamner	Ahmadnagar	74.159	19.547	Check dam	3
591	Dhandarphal Bk	Sangamner	Ahmadnagar	74.123	19.547	Check dam	3
592	Dhandarphal Bk	Sangamner	Ahmadnagar	74.122	19.561	Check dam	3
593	Dhandarphal Bk	Sangamner	Ahmadnagar	74.109	19.557	Check dam	3
594	Dhandarphal Bk	Sangamner	Ahmadnagar	74.114	19.544	Check dam	3
595	Dhandarphal Bk	Sangamner	Ahmadnagar	74.122	19.537	Check dam	4
596	Dhandarphal Kh	Sangamner	Ahmadnagar	74.140	19.506	Check dam	3
597	Dhandarphal Kh	Sangamner	Ahmadnagar	74.150	19.501	Check dam	3
598	Digras	Sangamner	Ahmadnagar	74.320	19.462	Check dam	4
599	Digras	Sangamner	Ahmadnagar	74.318	19.451	Check dam	6

SN	Village	Taluka	District	X	Y	Structure	No of structures proposed in village
600	Digras	Sangamner	Ahmadnagar	74.316	19.446	Check dam	3
601	Digras	Sangamner	Ahmadnagar	74.292	19.455	Check dam	5
602	Dolasane	Sangamner	Ahmadnagar	74.203	19.384	Check dam	4
603	Dolasane	Sangamner	Ahmadnagar	74.206	19.390	Check dam	3
604	Dolasane	Sangamner	Ahmadnagar	74.207	19.398	Check dam	3
605	Dolasane	Sangamner	Ahmadnagar	74.231	19.394	Check dam	5
606	Dolasane	Sangamner	Ahmadnagar	74.217	19.361	Check dam	8
607	Dolasane	Sangamner	Ahmadnagar	74.218	19.369	Check dam	3
608	Ghulewadi	Sangamner	Ahmadnagar	74.197	19.601	Check dam	3
609	Hiwargaon Pathar	Sangamner	Ahmadnagar	74.267	19.370	Check dam	5
610	Hiwargaon Pathar	Sangamner	Ahmadnagar	74.270	19.366	Check dam	3
611	Hiwargaon Pathar	Sangamner	Ahmadnagar	74.273	19.361	Check dam	3
612	Hiwargaon Pawasa	Sangamner	Ahmadnagar	74.218	19.491	Check dam	3
613	Jakhori	Sangamner	Ahmadnagar	74.253	19.509	Check dam	3
614	Jakhori	Sangamner	Ahmadnagar	74.247	19.496	Check dam	3
615	Karan	Sangamner	Ahmadnagar	74.239	19.631	Check dam	6
616	Karan	Sangamner	Ahmadnagar	74.241	19.623	Check dam	3
617	Karan	Sangamner	Ahmadnagar	74.243	19.600	Check dam	5
618	Kolwade	Sangamner	Ahmadnagar	74.247	19.480	Check dam	3
619	Kumbharwadi	Sangamner	Ahmadnagar	74.356	19.440	Check dam	3
620	Maladad	Sangamner	Ahmadnagar	74.188	19.641	Check dam	7
621	Maladad	Sangamner	Ahmadnagar	74.199	19.629	Check dam	3
622	Maladad	Sangamner	Ahmadnagar	74.200	19.616	Check dam	3
623	Mandave Bk.	Sangamner	Ahmadnagar	74.326	19.355	Check dam	7
624	Mandave Bk.	Sangamner	Ahmadnagar	74.329	19.348	Check dam	3
625	Mandave Bk.	Sangamner	Ahmadnagar	74.329	19.341	Check dam	5
626	Mandave Bk.	Sangamner	Ahmadnagar	74.332	19.353	Check dam	4
627	Mandave Bk.	Sangamner	Ahmadnagar	74.333	19.345	Check dam	3
628	Mandave Bk.	Sangamner	Ahmadnagar	74.321	19.344	Check dam	3
629	Mandave Bk.	Sangamner	Ahmadnagar	74.326	19.338	Check dam	5
630	Mangalapur	Sangamner	Ahmadnagar	74.176	19.556	Check dam	4
631	Manoli	Sangamner	Ahmadnagar	74.294	19.571	Check dam	6
632	Nandur Khandarmal	Sangamner	Ahmadnagar	74.236	19.348	Check dam	6
633	Nandur Khandarmal	Sangamner	Ahmadnagar	74.233	19.352	Check dam	3
634	Nandur Khandarmal	Sangamner	Ahmadnagar	74.229	19.359	Check dam	3
635	Nanduri Dumala	Sangamner	Ahmadnagar	74.123	19.480	Check dam	3
636	Nanduri Dumala	Sangamner	Ahmadnagar	74.113	19.491	Check dam	3
637	Nanduri Dumala	Sangamner	Ahmadnagar	74.109	19.506	Check dam	3
638	Nanduri Dumala	Sangamner	Ahmadnagar	74.112	19.517	Check dam	3
639	Nimaj	Sangamner	Ahmadnagar	74.157	19.517	Check dam	3
640	Nimaj	Sangamner	Ahmadnagar	74.152	19.529	Check dam	3
641	Panodi	Sangamner	Ahmadnagar	74.356	19.448	Check dam	3
642	Panodi	Sangamner	Ahmadnagar	74.360	19.445	Check dam	4
643	Pemgiri	Sangamner	Ahmadnagar	74.109	19.466	Check dam	3
644	Pemgiri	Sangamner	Ahmadnagar	74.100	19.476	Check dam	3
645	Pimpalgaon Matha	Sangamner	Ahmadnagar	74.124	19.460	Check dam	3
646	Pokhari Haweli	Sangamner	Ahmadnagar	74.260	19.618	Check dam	5
647	Pokhari Haweli	Sangamner	Ahmadnagar	74.256	19.605	Check dam	3
648	Rahimpur	Sangamner	Ahmadnagar	74.290	19.549	Check dam	3
649	Rahimpur	Sangamner	Ahmadnagar	74.289	19.558	Check dam	3



SN	Village	Taluka	District	X	Y	Structure	No of structures proposed in village
650	Rajapur	Sangamner	Ahmadnagar	74.172	19.566	Check dam	3
651	Rajapur	Sangamner	Ahmadnagar	74.149	19.567	Check dam	3
652	Rankhambwadi	Sangamner	Ahmadnagar	74.291	19.450	Check dam	6
653	Rankhambwadi	Sangamner	Ahmadnagar	74.297	19.420	Check dam	3
654	Sakur	Sangamner	Ahmadnagar	74.299	19.382	Check dam	3
655	Sakur	Sangamner	Ahmadnagar	74.276	19.357	Check dam	8
656	Sakur	Sangamner	Ahmadnagar	74.268	19.385	Check dam	3
657	Sakur	Sangamner	Ahmadnagar	74.276	19.381	Check dam	6
658	Sakur	Sangamner	Ahmadnagar	74.277	19.399	Check dam	5
659	Sakur	Sangamner	Ahmadnagar	74.280	19.392	Check dam	3
660	Sakur	Sangamner	Ahmadnagar	74.282	19.382	Check dam	3
661	Sakur	Sangamner	Ahmadnagar	74.319	19.351	Check dam	5
662	Sakur	Sangamner	Ahmadnagar	74.302	19.387	Check dam	3
663	Sakur	Sangamner	Ahmadnagar	74.317	19.369	Check dam	3
664	Sakur	Sangamner	Ahmadnagar	74.316	19.358	Check dam	4
665	Samnapur	Sangamner	Ahmadnagar	74.244	19.586	Check dam	6
666	Samnapur	Sangamner	Ahmadnagar	74.247	19.578	Check dam	3
667	Sawargaon Ghule	Sangamner	Ahmadnagar	74.163	19.395	Check dam	3
668	Sawargaon Ghule	Sangamner	Ahmadnagar	74.161	19.382	Check dam	3
669	Sawargaon Ghule	Sangamner	Ahmadnagar	74.162	19.389	Check dam	3
670	Sawargaon Ghule	Sangamner	Ahmadnagar	74.163	19.410	Check dam	3
671	Sawargaon Ghule	Sangamner	Ahmadnagar	74.140	19.406	Check dam	3
672	Sawargaon Tal	Sangamner	Ahmadnagar	74.176	19.479	Check dam	3
673	Sawargaon Tal	Sangamner	Ahmadnagar	74.180	19.489	Check dam	3
674	Sawargaon Tal	Sangamner	Ahmadnagar	74.182	19.484	Check dam	3
675	Shendewadi	Sangamner	Ahmadnagar	74.250	19.367	Check dam	3
676	Shendewadi	Sangamner	Ahmadnagar	74.235	19.397	Check dam	3
677	Shendewadi	Sangamner	Ahmadnagar	74.240	19.392	Check dam	3
678	Shendewadi	Sangamner	Ahmadnagar	74.242	19.387	Check dam	3
679	Shendewadi	Sangamner	Ahmadnagar	74.244	19.381	Check dam	6
680	Shendewadi	Sangamner	Ahmadnagar	74.247	19.374	Check dam	3
681	Shendewadi	Sangamner	Ahmadnagar	74.258	19.393	Check dam	3
682	Shendewadi	Sangamner	Ahmadnagar	74.263	19.390	Check dam	3
683	Shirapur	Sangamner	Ahmadnagar	74.234	19.494	Check dam	3
684	Wadgaon Pan	Sangamner	Ahmadnagar	74.255	19.593	Check dam	3
685	Warwandi	Sangamner	Ahmadnagar	74.381	19.417	Check dam	3
686	Warwandi	Sangamner	Ahmadnagar	74.384	19.420	Check dam	6
687	Warwandi	Sangamner	Ahmadnagar	74.388	19.425	Check dam	3
688	Zole	Sangamner	Ahmadnagar	74.180	19.523	Check dam	3
689	Ainatpur	Shrirampur	Ahmadnagar	74.648	19.584	Check dam	1
690	Belapur Bk.	Shrirampur	Ahmadnagar	74.639	19.603	Check dam	1
691	Galnimb	Shrirampur	Ahmadnagar	74.572	19.571	Check dam	1
692	Gondegaon	Shrirampur	Ahmadnagar	74.648	19.734	Check dam	1
693	Gondhavani	Shrirampur	Ahmadnagar	74.656	19.637	Check dam	1
694	Khandala	Shrirampur	Ahmadnagar	74.597	19.622	Check dam	1
695	Mandve	Shrirampur	Ahmadnagar	74.552	19.568	Check dam	1
696	Naur	Shrirampur	Ahmadnagar	74.700	19.751	Check dam	1
697	Naygaon	Shrirampur	Ahmadnagar	74.677	19.744	Check dam	1
698	Nimgaon Khairi	Shrirampur	Ahmadnagar	74.662	19.704	Check dam	1
699	Nimgaon Khairi	Shrirampur	Ahmadnagar	74.664	19.685	Check dam	1

SN	Village	Taluka	District	X	Y	Structure	No of structures proposed in village
700	Nimgaon Khairi	Shrirampur	Ahmadnagar	74.646	19.670	Check dam	1
701	Ukkalgaon	Shrirampur	Ahmadnagar	74.594	19.588	Check dam	1
702	Ukkalgaon	Shrirampur	Ahmadnagar	74.588	19.561	Check dam	1
703	Ukkalgaon	Shrirampur	Ahmadnagar	74.606	19.553	Check dam	1
704	Undirgaon	Shrirampur	Ahmadnagar	74.730	19.676	Check dam	1
705	Undirgaon	Shrirampur	Ahmadnagar	74.693	19.655	Check dam	1
706	Undirgaon	Shrirampur	Ahmadnagar	74.693	19.697	Check dam	1
707	Undirgaon	Shrirampur	Ahmadnagar	74.684	19.659	Check dam	1
708	Undirgaon	Shrirampur	Ahmadnagar	74.706	19.682	Check dam	1
709	Ambevangan	Akole	Ahmadnagar	73.8097	19.5802	Checkdam	1
710	Ambevangan	Akole	Ahmadnagar	73.8122	19.5856	Checkdam	1
711	Babhul Wandi	Akole	Ahmadnagar	73.8624	19.5928	Checkdam	1
712	Babhul Wandi	Akole	Ahmadnagar	73.8689	19.5828	Checkdam	1
713	Chichondi	Akole	Ahmadnagar	73.7607	19.5754	Checkdam	1
714	Chichondi	Akole	Ahmadnagar	73.7557	19.5719	Checkdam	1
715	Chichondi	Akole	Ahmadnagar	73.7496	19.5764	Checkdam	1
716	Deogaon	Akole	Ahmadnagar	73.8266	19.6091	Checkdam	1
717	Deogaon	Akole	Ahmadnagar	73.8303	19.5957	Checkdam	1
718	Deogaon	Akole	Ahmadnagar	73.829	19.6033	Checkdam	1
719	Dongargaon	Akole	Ahmadnagar	74.1078	19.64	Checkdam	1
720	Dongargaon	Akole	Ahmadnagar	74.1156	19.6304	Checkdam	1
721	Dongarwadi	Akole	Ahmadnagar	73.862	19.5857	Checkdam	1
722	Dongarwadi	Akole	Ahmadnagar	73.8548	19.584	Checkdam	1
723	Dongarwadi	Akole	Ahmadnagar	73.853	19.5811	Checkdam	1
724	Guhire	Akole	Ahmadnagar	73.7941	19.5286	Checkdam	1
725	Katalapur	Akole	Ahmadnagar	73.8111	19.5202	Checkdam	1
726	Katalapur	Akole	Ahmadnagar	73.8057	19.5288	Checkdam	1
727	Kelungan	Akole	Ahmadnagar	73.848	19.5249	Checkdam	1
728	Kelungan	Akole	Ahmadnagar	73.8477	19.5306	Checkdam	1
729	Kelungan	Akole	Ahmadnagar	73.8473	19.5356	Checkdam	1
730	Khirvire	Akole	Ahmadnagar	73.8678	19.6213	Checkdam	1
731	Khirvire	Akole	Ahmadnagar	73.8575	19.6344	Checkdam	1
732	Khirvire	Akole	Ahmadnagar	73.8653	19.6385	Checkdam	1
733	Kombhalne	Akole	Ahmadnagar	73.9102	19.6051	Checkdam	1
734	Kombhalne	Akole	Ahmadnagar	73.9141	19.6278	Checkdam	1
735	Ladagaon	Akole	Ahmadnagar	73.8148	19.5928	Checkdam	1
736	Ladagaon	Akole	Ahmadnagar	73.8117	19.6027	Checkdam	1
737	Manhere	Akole	Ahmadnagar	73.7864	19.5748	Checkdam	1
738	Manhere	Akole	Ahmadnagar	73.7846	19.586	Checkdam	1
739	Mhalungi	Akole	Ahmadnagar	73.8986	19.6853	Checkdam	1
740	Mhalungi	Akole	Ahmadnagar	73.9013	19.7015	Checkdam	1
741	Mhalungi	Akole	Ahmadnagar	73.9002	19.6867	Checkdam	1
742	Mhalungi	Akole	Ahmadnagar	73.902	19.6887	Checkdam	1
743	Mhalungi	Akole	Ahmadnagar	73.9037	19.6935	Checkdam	1
744	Mhalungi	Akole	Ahmadnagar	73.9023	19.7041	Checkdam	1
745	Pabhulwandi	Akole	Ahmadnagar	73.8328	19.6107	Checkdam	1
746	Pabhulwandi	Akole	Ahmadnagar	73.8383	19.6068	Checkdam	1
747	Pabhulwandi	Akole	Ahmadnagar	73.8477	19.6007	Checkdam	1
748	Pabhulwandi	Akole	Ahmadnagar	73.8418	19.5968	Checkdam	1
749	Pabhulwandi	Akole	Ahmadnagar	73.8437	19.6016	Checkdam	1

SN	Village	Taluka	District	X	Y	Structure	No of structures proposed in village
750	Pachapattawadi	Akole	Ahmadnagar	73.852	19.7042	Checkdam	1
751	Pachapattawadi	Akole	Ahmadnagar	73.854	19.696	Checkdam	1
752	Pachapattawadi	Akole	Ahmadnagar	73.8596	19.6986	Checkdam	1
753	Pachapattawadi	Akole	Ahmadnagar	73.8597	19.7013	Checkdam	1
754	Pachapattawadi	Akole	Ahmadnagar	73.8645	19.7008	Checkdam	1
755	Pachapattawadi	Akole	Ahmadnagar	73.8445	19.7081	Checkdam	1
756	Pachapattawadi	Akole	Ahmadnagar	73.877	19.7255	Checkdam	1
757	Pachapattawadi	Akole	Ahmadnagar	73.8549	19.7138	Checkdam	1
758	Pachapattawadi	Akole	Ahmadnagar	73.8935	19.7269	Checkdam	1
759	Pachapattawadi	Akole	Ahmadnagar	73.8944	19.7349	Checkdam	1
760	Pachapattawadi	Akole	Ahmadnagar	73.8966	19.7366	Checkdam	1
761	Pachapattawadi	Akole	Ahmadnagar	73.8858	19.7183	Checkdam	1
762	Pedhewadi	Akole	Ahmadnagar	73.8753	19.7012	Checkdam	1
763	Pedhewadi	Akole	Ahmadnagar	73.8867	19.6907	Checkdam	1
764	Pimpalgaon Nakvinda	Akole	Ahmadnagar	73.9081	19.5703	Checkdam	1
765	Pimparkane	Akole	Ahmadnagar	73.8655	19.5784	Checkdam	1
766	Rajur	Akole	Ahmadnagar	73.8627	19.5158	Checkdam	1
767	Rajur	Akole	Ahmadnagar	73.8692	19.5097	Checkdam	1
768	Rajur	Akole	Ahmadnagar	73.8702	19.5148	Checkdam	1
769	Ranad Bk.	Akole	Ahmadnagar	73.791	19.546	Checkdam	1
770	Ranad Bk.	Akole	Ahmadnagar	73.7931	19.5522	Checkdam	1
771	Ranad Kh.	Akole	Ahmadnagar	73.7986	19.5339	Checkdam	1
772	Senit Kh. (N.V.)	Akole	Ahmadnagar	73.7999	19.6312	Checkdam	1
773	Senit Kh. (N.V.)	Akole	Ahmadnagar	73.8073	19.6296	Checkdam	1
774	Senit Kh. (N.V.)	Akole	Ahmadnagar	73.8142	19.625	Checkdam	1
775	Shenit	Akole	Ahmadnagar	73.8249	19.6264	Checkdam	1
776	Sherankhel	Akole	Ahmadnagar	73.9253	19.5836	Checkdam	1
777	Sherankhel	Akole	Ahmadnagar	73.9223	19.595	Checkdam	1
778	Sherankhel	Akole	Ahmadnagar	73.9267	19.5774	Checkdam	1
779	Shivajinagar (N.V.)	Akole	Ahmadnagar	73.8694	19.7013	Checkdam	1
780	Shivajinagar (N.V.)	Akole	Ahmadnagar	73.871	19.7051	Checkdam	1
781	Shivajinagar (N.V.)	Akole	Ahmadnagar	73.8711	19.7092	Checkdam	1
782	Shivajinagar (N.V.)	Akole	Ahmadnagar	73.8861	19.7075	Checkdam	1
783	Shivajinagar (N.V.)	Akole	Ahmadnagar	73.8856	19.7013	Checkdam	1
784	Shivajinagar (N.V.)	Akole	Ahmadnagar	73.8856	19.7137	Checkdam	1
785	Terungan	Akole	Ahmadnagar	73.8003	19.5143	Checkdam	1
786	Tirdhe	Akole	Ahmadnagar	73.8566	19.7242	Checkdam	1
787	Tirdhe	Akole	Ahmadnagar	73.8583	19.7153	Checkdam	1
788	Waki	Akole	Ahmadnagar	73.7738	19.567	Checkdam	1
789	Waranghushi	Akole	Ahmadnagar	73.7705	19.5944	Checkdam	1
790	Waranghushi	Akole	Ahmadnagar	73.7758	19.603	Checkdam	1
791	Waranghushi	Akole	Ahmadnagar	73.7764	19.6091	Checkdam	1
792	Waranghushi	Akole	Ahmadnagar	73.7609	19.5999	Checkdam	1
793	Waranghushi	Akole	Ahmadnagar	73.7589	19.6073	Checkdam	1
794	Waranghushi	Akole	Ahmadnagar	73.7658	19.5971	Checkdam	1

## Management Plan of Ahmednagar district

Augmentation by AR –  
94.14MCM

Aquifer I Resources –  
Dy- 878 MCM  
In storage- 4.1376

Aquifer II  
Resources –  
79.47 MCM



GW quantum saved by  
WUE – 68.724 MCM

Total Draft –  
781.87 MCM



### GW SENAREO AFTER IMPLEMENTING Artificial Recharge

GWA 878 + 94.14 MCM by AR = 972.14MCM

### WUE Measures

GW saved by WUE measures: 68.724 MCM.

After supply side intervention GW quantum required to  
bring stage of GWD @70% :-108.89 mcm

GWR available for Development after bringing stage of  
GWD up to 70% (Akole,Rahata,Nagar,Nevasa &  
ShrirampurTalukas ) =11.8814 mcm

Stage of GWD of Sangamner and Kopargaoon taluka reduce  
from 100.15% & 95.12% to 76.67% & 76.68% respectively

### PROBABLE BENEFITS AFTER IMPLEMENTING AR & WUE MEASURES

- Bringing down to STAGE OF GW DEVELOPMENT to 70 % from Present stage of GW development of 82.48%, 74.44%,86.17%84.81 &103.51% of Akole, Nagar, Nevasa, Shirampur and Rahata respectively with enhance availability of GWR after supply side & Demand side intervention, Beside this, about 1827 ha of additional Area can also be brought under assured GW irrigation from 11.88MCM of Balance GWR available for GW Development after STAGE OF GWD is brought to 70% ( safe category )
- Stage of GWD of Sangamner and Kopargaoon taluka reduce from 100.15% & 95.12% to 76.67% & 76.68% respectively