



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

GROUND WATER YEAR BOOK
OF
HARYANA STATE
(2015-2016)

North Western Region
(Chandigarh)
September 2016

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Principal Contributors

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FOREWORD

Central Ground Water Board has been monitoring ground water levels and ground water quality of the country since 1968 to depict the spatial and temporal variation of ground water regime. The changes in water levels and quality are result of the development pattern of the ground water resources for irrigation and drinking water needs. Analyses of water level fluctuations are aimed at observing seasonal, annual and decadal variations. Therefore, the accurate monitoring of the ground water levels and its quality both in time and space are the main pre-requisites for assessment, scientific development and planning of this vital resource.

Central Ground Water Board, North Western Region, Chandigarh has established Ground Water Observation Wells (GWOW) in Haryana State for monitoring the water levels. As on 31.03.2015, there were 964 Ground Water Observation Wells which included 481 dug wells and 488 piezometers for monitoring phreatic and deeper aquifers. In order to strengthen the ground water monitoring mechanism for better insight into ground water development scenario, additional ground water observation wells were established and integrated with ground water monitoring database. As a result, total number of ground water observation wells as on 31.03.2016, has reached 1176 ground water observation wells which include 517 dug wells and 659 piezometers for monitoring phreatic aquifers including 45 deep piezometers for monitoring confined/ semi- confined aquifers. These observation wells are being monitored four times a year in the months of May, August, November and January, undertaken throughout the country. This report presents the observations and findings for the period from May 2015 to January 2016.

Shri M. L. Angurala, Scientist 'D' has put concerted efforts to compile and analyse the data and prepare the report. Chapter on Chemical Quality of ground water has been compiled by Mrs Balinder. P. Singh, Scientist 'D' & Shri Rishi Raj, Asstt.Chemist. The editing and processing, to bring the report, to its present form has been carried out by Shri Tejdeep Singh, Sc D.

This report incorporates all the analytical data on ground water monitoring done in Haryana State and provides valuable information on prevailing ground water regime to the user agencies and other stakeholders as well.

(Dr. S. K. Jain)
Regional Director

GROUND WATER YEAR BOOK
HARYANA STATE
2015-2016

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GROUND WATER YEAR BOOK HARYANA STATE 2015 – 2016

1 INTRODUCTION

The State of Haryana is in North India with its capital at Chandigarh. The Haryana State is located between North Haryana is a landlocked state in northern India. It is between 27°39' to 30°35' N latitude and between 74°28' and 77°36' E longitude covering an area of 44,212 sq. km. The state is sub-divided into nine physiographic units and is drained by two major rivers Ghaggar and Yamuna. It was carved out of the former state of Punjab on 1 November 1966 on the basis of language distribution. The name Haryana is found in the works of the 12th century AD Apabhramsha writer Vibudh Shridhar (VS 1189–1230). It is bordered by Punjab and Pradesh to the north and by Rajasthan to the west and south. The river Yamuna defines its eastern border with Uttar Pradesh. Haryana surrounds the country's capital Delhi on three sides, forming the northern, western and southern borders of Delhi. Consequently, a large area of south Haryana is included in the National Capital Region for purposes of planning for development.

The state was home to prominent sites of the Indus Valley and Vedic Civilizations. Several decisive battles were also fought in the area, which shaped much of the history of India. These include the epic battle of Mahabharata at Kurukshetra mentioned in Hindu mythology (including the recital of the Bhagavad Gita by Lord Krishna), Banganga or the Bhishma Kund, a legend attached to this water tank says that, when Bhishma lay on his bed of arrows, he felt thirsty and asked for water. To fulfill his desire, Arjuna immediately shot an arrow into the ground and let loose a stream of gushing water. This is how the BhishmaKund is believed to come into existence and the three battles of Panipat. Haryana was administered as part of the Punjab province of British India, and was carved out on linguistic lines as India's 17th state in 1966. Haryana is now a leading contributor to the country's production of food grains and milk. Agriculture is the leading occupation for residents of the state with the flat arable land irrigated by submersible pumps and an extensive canal system. There are four irrigation systems in the state namely

- | | |
|--------------------------|-------------------|
| 1. Western Yamuna canal, | 3. Agra canal and |
| 2. Bhakra canal, | 4. Ghaggar canal |

Haryana contributed heavily to the Green Revolution that made India self-sufficient in food production in the 1960s.

1.1 Physiography

The altitude of Haryana varies between 700 and 3600 ft (200 meters to 1200 meters) above sea level. An area of 1,553 km² is covered by forest. Haryana has four main geographical features.

- The Yamuna-Ghaggar plain forming the largest part of the state
- The Shivalik Hills to the northeast
- Semi-desert sandy plain to the southwest
- The Aravalli Range in the south

1.2 Geohydrological Conditions

On the basis of Geohydrological conditions as well as groundwater movement and surface drainage pattern, the entire state is divided into the following basins:-

1. Yamuna basin; (a) Upper, (b) Lower
2. Ghaggar Basin; (a) Upper, (b) Lower
3. Inland Alluvial Basin
4. Krishnawati Basin
5. Sahibi Basin
6. Landocha Nala Basin
7. Kanti Sub Basin (Loharu Satnali area)

Ground water occurs both under confined and unconfined conditions in the alluvial formation whereas it is mostly under un-confined conditions in Siwaliks and piedmont deposits and semi-confined conditions in hard rocks.

1.3 Rivers of Haryana

The Yamuna flows along the state's eastern boundary while the ancient Sarasvati River is said to have flowed from Yamuna Nagar, but has now disappeared. Haryana's main seasonal river, the Ghaggar rises in the outer Himalayas, between the Yamuna and the Sutlej and enters the state near Pinjore in the Panchkula district. Passing through Ambala and Hissar, it reaches Bikaner in Rajasthan and runs for 460 km before disappearing into the deserts of Rajasthan. Important tributaries include the Chautang and Tangri. The seasonal Markanda River is a stream, which in ancient times

was known as the Aruna. It originates from the lower Siwaliks Hills and enters Haryana west of Ambala. During monsoons, this stream swells into a raging torrent notorious for its devastating power. The surplus water is carried on to the Sanisar Lake where the Markanda joins the Sarasvati and later the Ghaggar. Shahbad Markanda town is situated on its bank. Mentioned in the epic Shatapatha Brahmana as the Drishadwati, the Sahibi River originates in the Jaipur district in Rajasthan. However, before seismic activities some 7,500 years ago in the Aravalli Hills, the river brought water from as far as the Ajmer district. Gathering volume from about a hundred tributaries in Rajasthan and the Mewat areas, it reaches voluminous proportions, forming a broad stream around Alwar and Patan. Further flowing via Rewari District and Dharuhera, it reaches Jhajjar then splits into two smaller streams, finally reaching the outskirts of Delhi and flowing into the Najafgarh Lake that flows into the Yamuna through the Najafgarh drain. Recently hardly any water flows in Sahibi as most of the water is impounded in small check dams upstream in the Alwar district of Rajasthan and the Masani barrage in Rewari district, built on this river on NH 8 (Delhi-Jaipur highway). Three other rivulets in and around the Mewat hills, the Indori, Dohan and Kasavati all flow from East to West.

1.4 Hydrometeorology

The state receives its rainfall primarily through southwestern monsoon. Winter showers are also quite common. The average annual rainfall varies from little as 313 mm in areas bordering Rajasthan in South-western parts of the state over 862 mm in the North-Eastern parts near Siwalik Hills bordering Himachal Pradesh. In more than 50% of total area average rainfall is less than 500 mm. Rainfall progressively decreases towards South and southwest districts. Drought conditions are common in Mahendragarh, Rewari, Bhiwani, Hissar and Sirsa. The state experiences extreme winter and summer. The minimum and maximum temperatures recorded in the state are 2.0 c (Narnaul Dec. 2000 and 45.6C Hissar May, 2000) respectively. Winter frost is quite common during the months of December and January. Minimum and maximum wind speeds recorded are 0.4 Km per hour and 5.3 Km per hour. The mean wind speed of the state is reported to be 2.9 Km per hour. The mean relative humidity on an average varies from 30% in April to 90% in August, the annual average being 60%. As a whole the climate of the state is semi-arid to sub tropical. Aridity is more in South Western parts of the state bordering Rajasthan.

2.0 HYDROGEOLOGICAL SETUP

Three geological groups are represented in the state viz. Pre-Cambrian, Tertiary and Quaternary. The Quaternary group comprises of Alluvium which occupies 98% of the area of the state. The tertiary group is represented by the outermost zone of the Siwalik system composed mainly of sandstones, clay and boulders. The rocks of Pre-Cambrian age which form part of the Aravalli hill ranges are exposed in Gurgaon, Mewat and Faridabad districts and as small outcrops in other Southern districts. The thickness of alluvium deposits decreases from North to South. All the three major physiographic units viz. Peninsula, Extra-Peninsula and Indo-Gangetic areas, terminating in the hard rock formations of Delhi systems (Pre-Cambrian age) towards South, Siwaliks system (Tertiary age) in the North and in between the alluvial formations (Recent to sub recent age) are observed in the state. The general geological succession of the various units of the Peninsula and Indo-Gangetic plains traversing the Haryana state are given below (table-1).

Table:-1 Generalized Stratigraphy of Haryana State (after GSI, 2012)

Age	Super Group	Group/Formation	Lithology
Quaternary		Older and Newer Alluvium and Aeolian Deposits	Grey and brown sand, silt, silt- clay, clay with calcrete, limestone and gypsum.
Tertiary	Siwalik Super Group	Upper Siwalik	Boulder conglomerate, sandstones, clay/ mudstone and pebble beds.
		Middle Siwalik	Sandstone with variegated clay/mudstone.
		Lower Siwalik	Sandstone, mudstone/ shale
		Sabathu	Fine-grained sandstone, clay and limestone.
Pre-Tertiary (?)		Tundapathar 'Series' Lower (Paleozoic Unconformity)	Stromalitic limestone, Tosham rhyolite, Granite (Erinpura), migmatite, ultramafic and pegmatite.
Proterozoic	Delhi Super Group	Ajabgarh Group (Divided into 5 Formations)	Quartzite and basic flows, mica-schist, carbonaceous phyllites and slates, calc-schist, dolomite, marble, calc-silicate, amphibolite, hornblende-schist, phyllite.
		Alwar Group	Quartzite, conglomerate, amphibolite, mica-schist and arkosic quartzite.

In the extra peninsular region (northern part of Panchkula district) Siwalik System (Upper Tertiary) and Sabathu Series (Lower Tertiary) are exposed. Sabathu comprises of greenish grey and red gypseous shales with thin bands of sand stones and limestone. Shales and limestone are richly fossiliferous. Siwaliks system comprises of mainly

greywacke, sandstones, grits, clays, siltstones, conglomerates and pseudo-conglomerates. These are fluviatile deposits and are rich in mammalian fossils.

The area in Panchkula, Ambala & Yamunanagar is underlain by the 'Kandi, Sirowal and the Alluvium. The Kandi belt which forms the upper higher portions of the composite fan deposits is 2 to 4 kms wide running more or less parallel to the Shivalik foothills. The sediments comprise boulders, pebbles, gravel and sand with clays mixed in varying proportions. Sirowal belt and the adjoining Gangetic plain on the south of the Kandi belt are underlain by silt, fine to medium sand and clays. Gravel and pebbles also occur occasionally. The area in Gurgaon district is underlain by the rocks of Delhi system and by Quaternary alluvium. The Ajabgarh shales and quartzite form the basement in the western part of the area where the thickness of alluvium is very less. In Hissar and Bhiwani districts area is underlain by unconsolidated sediments of Quaternary age. The sediments comprise sand, silt clay and kankar. In Sonipat, Jind, Karnal and Kurukshetra districts the area is underlain by alluvium deposits of Quaternary age. Alluvium comprises clay, silt, sands of various grades, kankar, gravel and pebbles. The alluvium deposits are generally lenticular in shape. In Mohindergarh and part of Bhiwani districts the following geological succession is met. Recent to sub Recent- Alluvium and windblown sands etc, Post Delhi intrusive- Pegmatite, quartz veins, granites etc. Algonquian Delhi system-Ajabgarh Series Kushalgarh Limestone, Alwar Series. The alluvium in the area belonging to the Older Alluvium comprises of sand, silt, clay loam and kankar. Newer alluvium is mainly confined to the sides of the river natural water courses. The alluvium is the fresh water deposit of the Indo-Gangetic river system. The sub-aerial deposits are represented by the talus material on the hill slopes and windblown sands. Rohtak district is underlain by alluvium deposits of Quaternary age. The alluvium overlies the rocks of Algonquians system outcrops of which are seen outside the district. The alluvium consists of clay, silt and various grades of sand. Windblown sand occurring as sand dunes is often seen overlaying the alluvium in various parts of the district.

The unconsolidated alluvial sediments cover around 98% of the state while hard rock's cover just around 2% area of the state. Alluvial deposits are of older and newer types and consist chiefly of clay, silt and fine to medium sand. Other deposits are piedmont deposits, which are confined to a narrow zone, about 2 to 4 kms wide, between Siwalik Hills and alluvial plains. Sand-dunes are found in the districts of Bhiwani, Mohindergarh, Hissar and

Sirsa Coarse sand, gravels and boulders are found to occur in piedmont areas and in the adjacent alluvial tracts. These deposits have developed in the north part of Ambala district. The thickness of alluvial sediments is more than 600 m. and along Yamunanagar-Karnal stretch it is reported to be more than 3000 m. However, the thickness of sediments progressively decreases towards Delhi and hard rock areas of Bhiwani, Gurgaon, Faridabad and Mohindergarh districts.

3.0 GROUND WATER REGIME MONITORING

Central Ground Water Board, North Western Region, Chandigarh has established Ground Water Observation Wells (GWOW) in Haryana State for monitoring the water levels. As on 31.03.2014, there were 964 Ground Water Observation Wells which included 481 dug wells and 488 piezometers for monitoring phreatic and deeper aquifers. However, with establishment of new ground water observation wells including dug wells and piezometers, and reconciliation of ground water observation wells, total number of ground water observation wells as on 31.03.2016, has reached 1176 ground water observation wells which include 517 dug wells and 659 piezometers for monitoring phreatic aquifers including 45 deep piezometers for monitoring confined/ semi- confined aquifers.

The Ground Water Observation Wells are shown in Plate-1 and district wise split is given in Table 1. The density of the observation wells being monitored in the state of Haryana is given in Table 2 and depicted in Plate 2.

Table 2. District wise ground water observation wells in Haryana State.

S. No.	Districts	No. of GWOW as on 31.3.2015			No. of GWOW established during 2014-2015			Total no. GWOW as on 31.3.2016		
		DW	PZ	Total	DW	PZ	Total	DW	PZ	Total
1.	Ambala	19	19	38	25	1	26	44	20	64
2.	Bhiwani	31	24	55	7	45	52	38	69	107
3.	Faridabad	21	8	29	-7	14	7	14	22	36
4.	Fatehabad	19	15	34	0	0	0	19	15	34
5.	Gurgaon	11	43	54	-2	2	0	9	45	54
6.	Hissar	42	16	58	-4	2	-2	38	18	56
7.	Jhajjar	28	9	37	1	0	1	29	9	38
8.	Jind	38	27	65	0	0	0	38	27	65
9.	Kaithal	17	31	48	0	0	0	17	31	48
10.	Karnal	6	68	74	2	27	29	8	95	103
11.	Kurukshetra	1	40	41	0	56	56	1	96	97
12.	Mahendragarh	21	12	33	0	0	0	21	12	33
13.	Mewat	14	17	31	10	1	11	24	18	42
14.	Palwal	27	17	44	-1	2	1	26	19	45
15.	Panchkula	19	6	25	14	1	15	33	7	40
16.	Panipat	10	39	49	0	1	1	10	40	50
17.	Rewari	17	19	36	11	0	11	28	19	47
18.	Rohtak	29	5	34	0	0	0	29	5	34
19.	Sirsa	42	18	60	-2	0	-2	40	18	58
20.	Sonipat	35	39	74	0	0	0	35	39	74
21.	Yamunanagar	17	33	45	-1	2	1	16	35	51
	Haryana State	481	488	964	53	154	207	517	659	1176

Plate-1: Locations of National Hydrograph Observation Stations

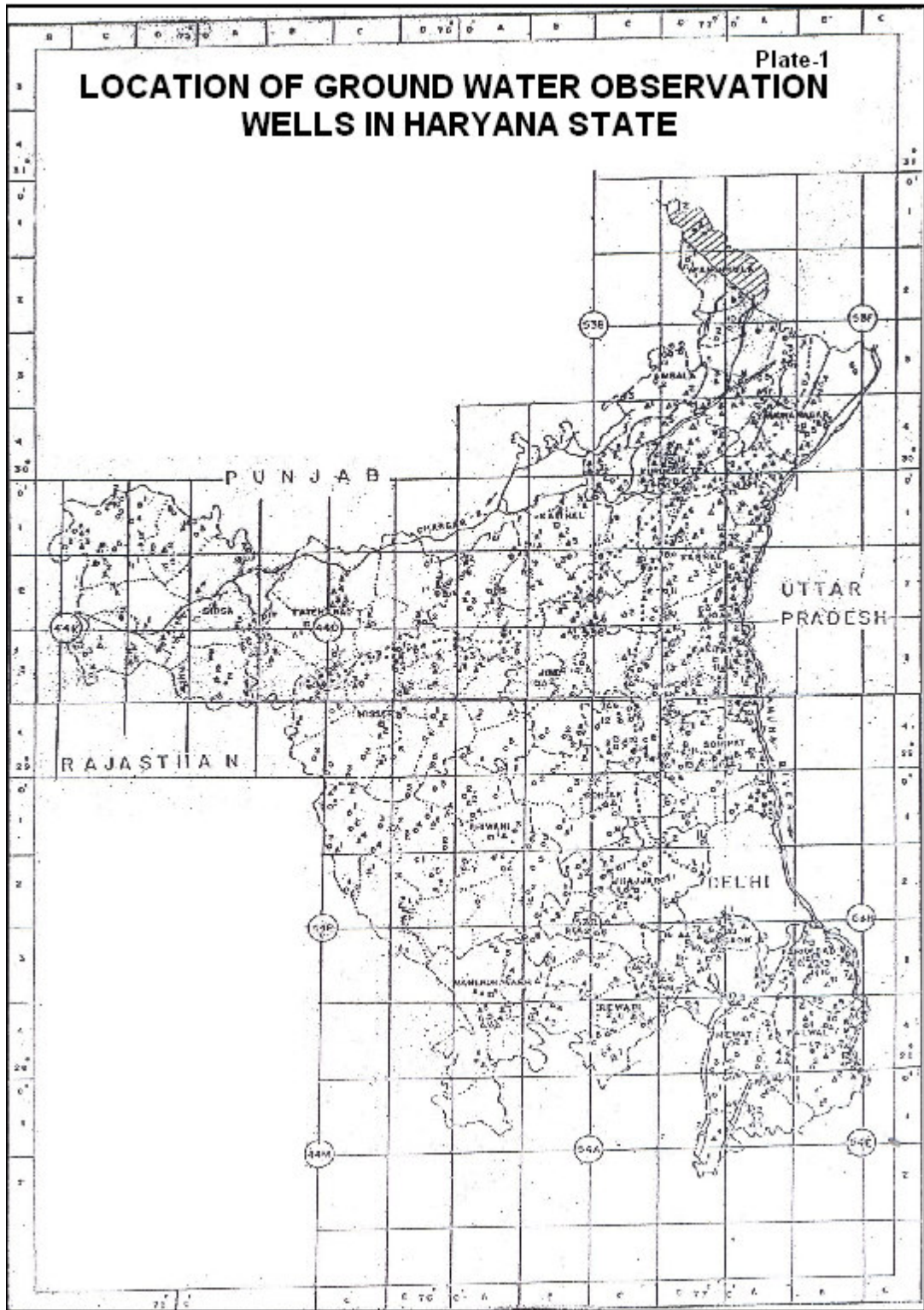
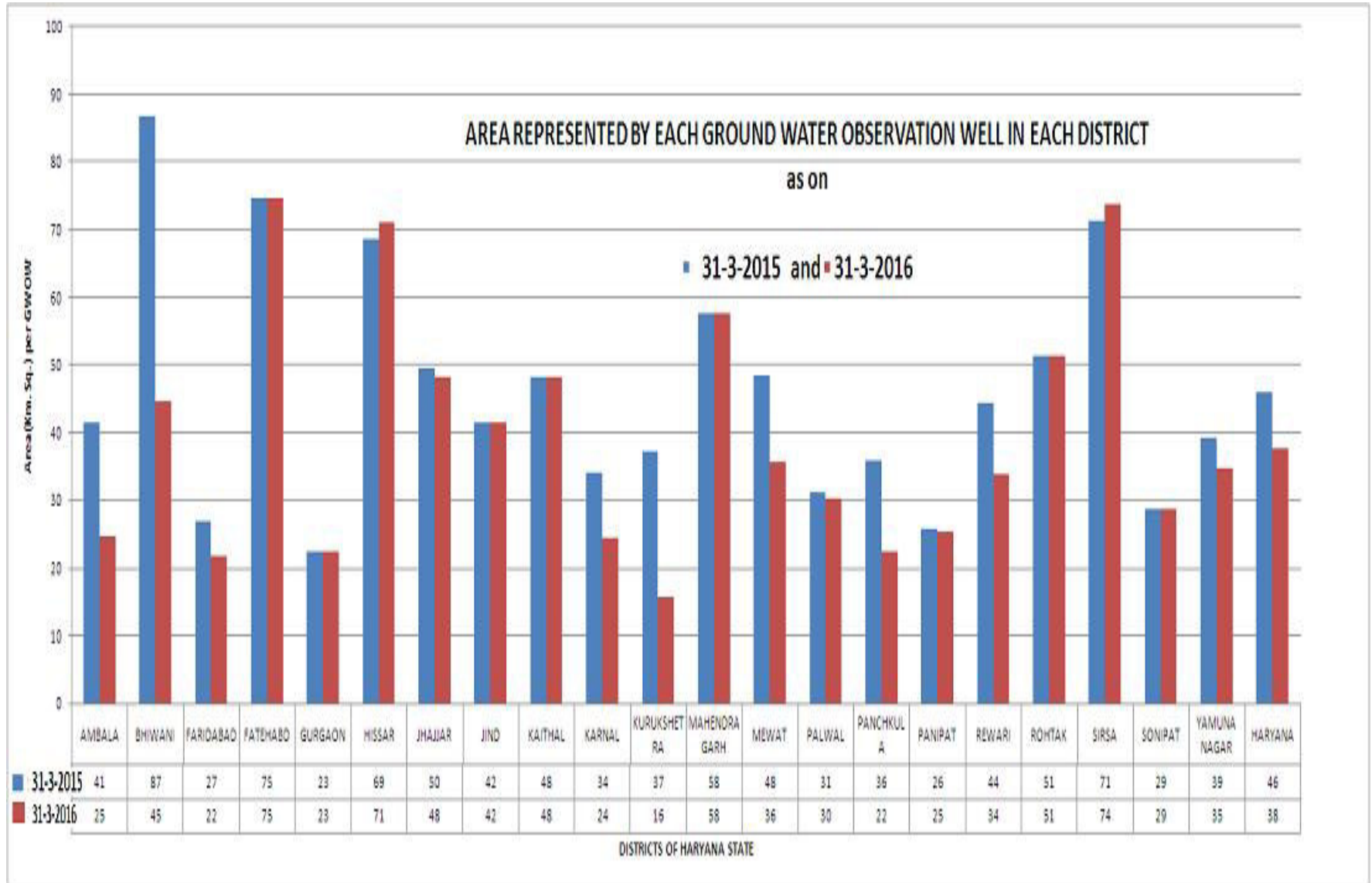


Table 3 Density of shallow ground water observation wells in Haryana State.

S. No.	District	Area (Km ²)	No. of Shallow GWOWs		Density represented by one GWOW (area/no. of well)	
			As on			
			31-3-2015	31-3-2016	31-3-2015	31-3-2016
1	AMBALA	1574	38	64	41	25
2	BHIWANI	4778	55	107	87	45
3	FARIDABAD	782	29	36	27	22
4	FATEHABD	2538	34	34	75	75
5	GURGAON	1215	54	54	23	23
6	HISSAR	3983	58	56	69	71
7	JHAJJAR	1834	37	38	50	48
8	JIND	2702	65	65	42	42
9	KAITHAL	2317	48	48	48	48
10	KARNAL	2520	74	103	34	24
11	KURUKSHETRA	1530	41	97	37	16
12	MAHENDRAGARH	1900	33	33	58	58
13	MEWAT	1499	31	42	48	36
14	PALWAL	1367	44	45	31	30
15	PANCHKULA	898	25	40	36	22
16	PANIPAT	1268	49	50	26	25
17	REWARI	1595	36	47	44	34
18	ROHTAK	1745	34	34	51	51
19	SIRSA	4277	60	58	71	74
20	SONIPAT	2122	74	74	29	29
21	YAMUNA NAGAR	1768	45	51	39	35
	Haryana State	44212	964	1176	46	38

Plate 2: Density of ground water observation wells in Haryana State.



3.0 BEHAVIOUR OF GROUND WATER LEVEL

In order to assess the quantitative change in ground water resources, water levels as a routine were monitored four times May 2015, August 2015, November 2015 and January 2016 and compared with previous water level records to ascertain the change in ground water level scenario.

3.1 DEPTH TO WATER LEVEL

The behaviour of water level in all four seasons May 2015, August 2015, November 2015 and January 2016 along with maps is discussed in following paragraphs and data is presented in annexure I. The maximum and minimum water levels recorded in four seasons is given below Table 3.

Table 3 Range of depth to water levels during the period

Range	May 2014	August 2014	November 2014	January 2015
Minimum	0.28m bgl Gulaltha (Mewat district)	0.48 m bgl Rukhi (Sonipat district)	0.15 m bgl Bhal Anadhpur (Rohtak district)	0.45m bgl Kulasi (Jhajjar district)
Maximum	71.78 m bgl Khodma (Mahendragarh)	68.6 m bgl Mangala (Sirsa)	92.60m bgl Khodma (Mahendragarh)	99 m bgl Kultajpur-DW (Mahendragarh)

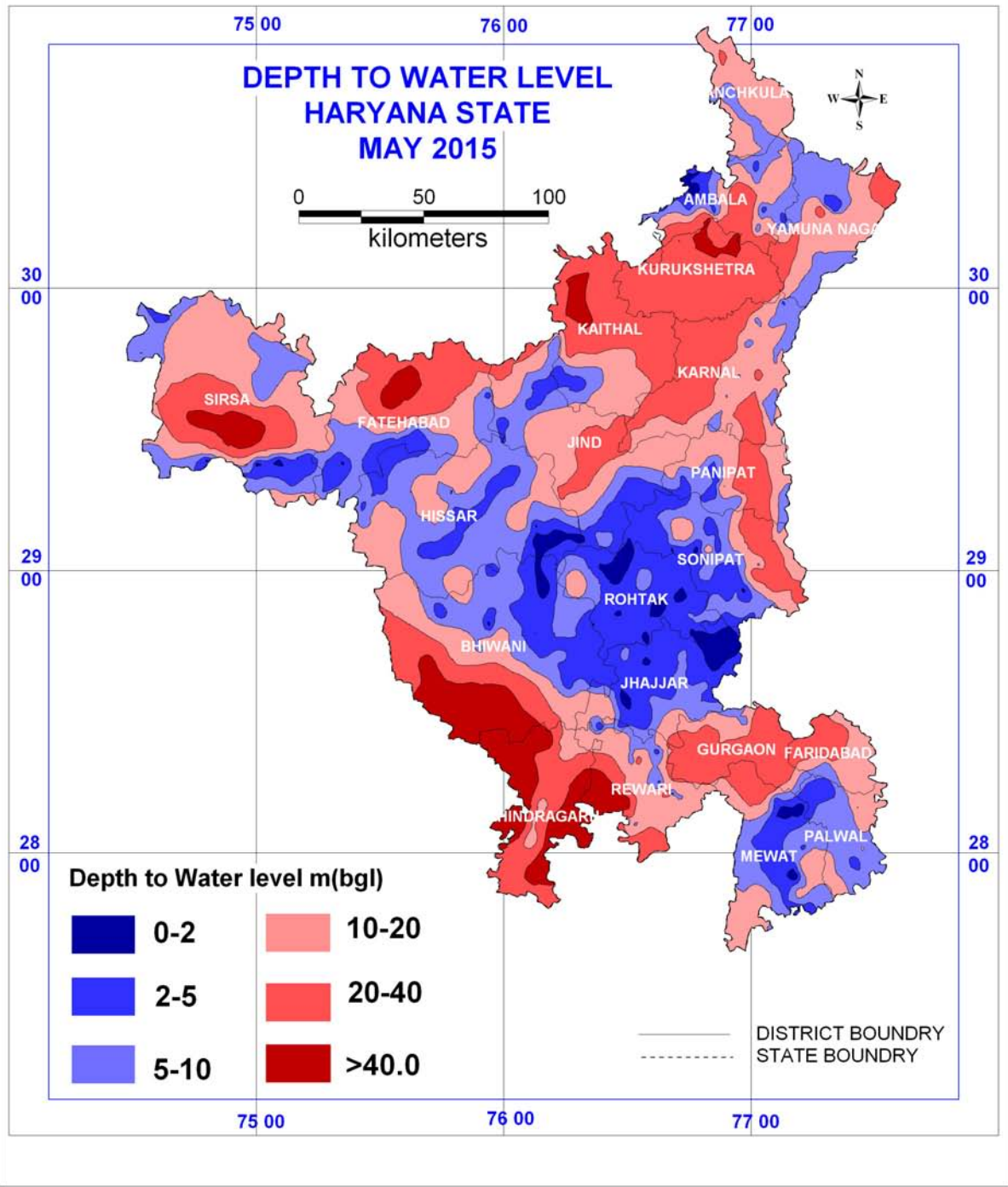
3.1.1 MAY 2015

The behavioral pattern of depth to water level data of May 2015 is discussed below along with depth to water level map (Fig.1) and data are presented in Annexure-1 (Col-4).

The depth to water level during May 2015 varies from 0.28m bgl at Gulaltha in Mewat district to 92.50m bgl at Khodma in Mahendragarh district. Very shallow (0-2m) water levels conditions are observed in central part of the state comprising of major portion of Jhajjar, Sonipat and Rohtak districts. More than 5% wells and 2% area of state fall in this group which indicates water logging conditions. Shallow water levels (2-5m) observed in 17% wells and 15% area mainly in the central part and in few isolated patches in Fatehabad, Palwal, Mewat districts. Moderate water levels (5-10m) occur in 22% wells covering 23% of area of the state. Moderately deep water levels of 10-20m are observed in nearly 26% wells and 30% of the area falling in Karnal, Kurukshetra, Jind, Fatehabad, Sirsa Hissar, Bhiwani, Rewari, Mahendragarh, Gurgaon and Faridabad districts. Deep water levels of 20-40m have been registered in 26% of wells and about 25% area reported from Ambala, Kurukshetra, Kaithal, Karnal, Panipat, Sonipat, Jind, Fatehabad, Sirsa, Bhiwani, Rewari, Mahendragarh, Gurgaon and Faridabad districts. Very Deep water levels (>40m) also occur in less than 4% of the wells and 6% area falling in Bhiwani and Mahendragarh districts & isolated patches in Kaithal, Kurukshetra, Fatehabad and Sirsa districts.

Summarized details of behaviour of depth to water level						
	Depth to water level(m) ranges					
%age	0-2	2-5	5-10	10-20	20-40	>40
Wells monitored	5	17	22	26	26	4
Area covered	2	15	23	30	25	6

FIG. 1



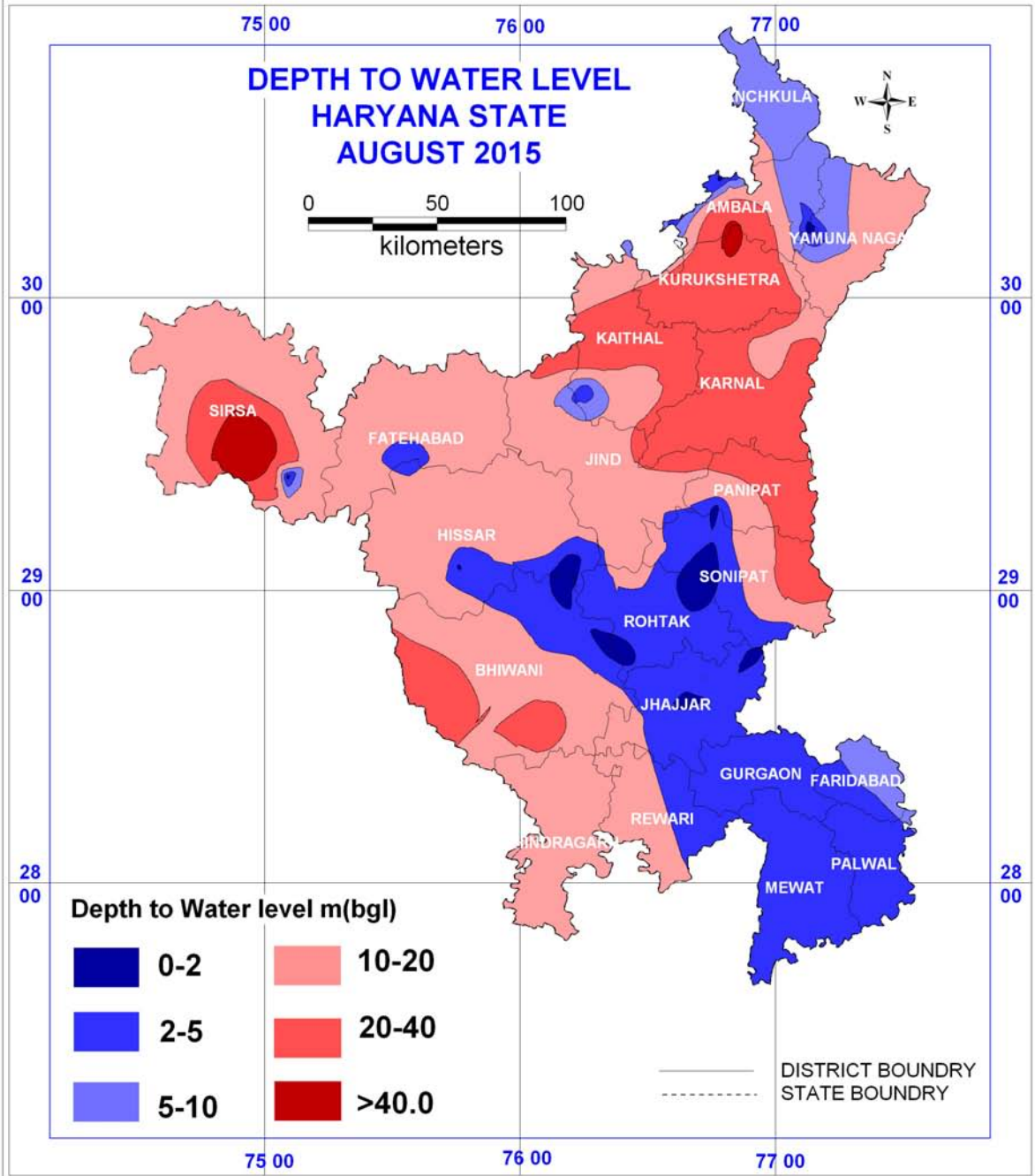
3.1.2 AUGUST 2015

The behavioral pattern of depth to water level data of August 2015 discussed below along with depth to water level map (Fig.2) and data are presented in Annexure-1 (Col-5).

The depth to water level during August 2015 varies from 0.48m bgl at Rukhi in Sonipat district to 68.6m bgl at Mangala in Sirsa district. Very shallow (0-2m) water levels conditions are observed in small pockets in the central part of the state comprising Sonipat and Rohtak districts. More than 14% wells and 2% area of state fall in this group which indicates water logging conditions. Shallow water levels (2-5m) observed in 22% wells and 25% area mainly in the central part and in few isolated patches in Fatehabad, Palwal Mewat districts. Moderate water levels (5-10m) occur in 21% wells covering 22% of area covering south central parts of the state. Moderately deep water levels of 10-20m are observed in nearly 25% wells and 28% of the area falling in Sonipat, Panipat, Karnal, Kurukshetra, Jind, Fatehabad, Sirsa Hissar, Bhiwani, Rewari, Mahendragarh, Gurgaon and Faridabad districts. Deep water levels of 20-40m have been registered in 14% of wells and about 20% area reported from Kurukshetra, Kaithal, Karnal, Panipat, Sonipat, Jind, Bhiwani, Rewari, Mahendragarh and Gurgaon districts. Very Deep water levels (>40m) also occur in less than 4% of the wells and 4% area falling in Sirsa district.

Summarized details of behaviour of depth to water level						
	Depth to water level(m) ranges					
%age	0-2	2-5	5-10	10-20	20-40	>40
Wells monitored	14	22	21	25	14	4
Area covered	2	25	22	28	20	4

FIG. 2



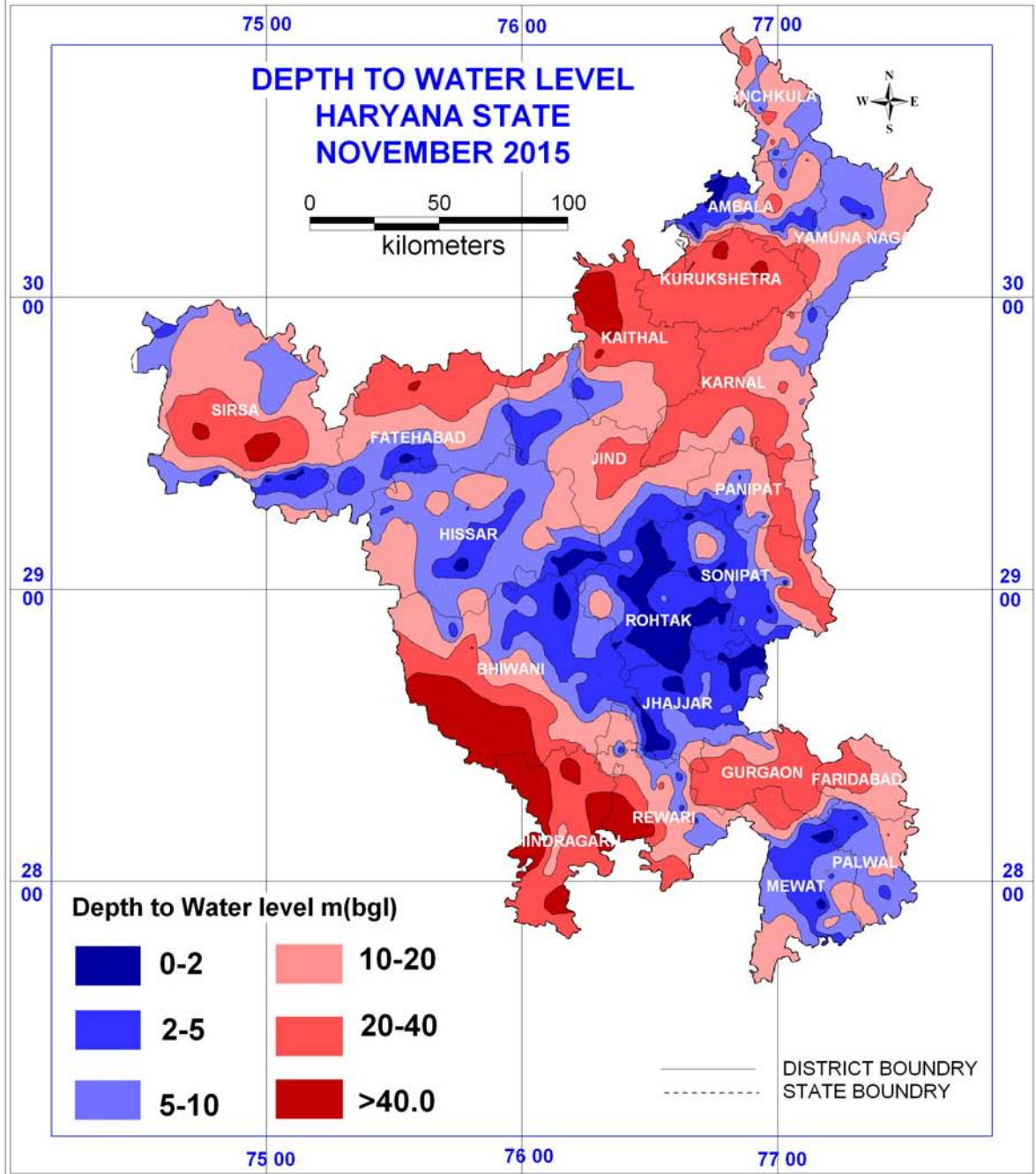
3.1.3 NOVEMBER 2015

The depth to water level during November 2015 varies from 0.15m bgl at Bhal Anandpur in Rohtak district to 92.60m bgl at Khodma in Mahendragarh district. The distribution of water level in various ranges is discussed below along with depth water level map for November 2015 (Fig.3). The water level data are presented in Annexure-1 (Col-6).

Very shallow (0-2m) water levels conditions are observed in small pockets in the central part of the state comprising Sonipat, Rohtak and Mewat districts. 11% wells and 3% area of state fall in this group which indicates water logging conditions. Shallow water levels (2-5m) observed in 19% wells and 15% area mainly in the central part and in few isolated patches in Fatehabad, Palwal Mewat, Jind and Fatehabad districts. Moderate water levels (5-10m) occur in 22% wells covering 23% of area covering parts of Sonipat, Panipat, Jind, Fatehabad, Sirsa, Hissar, Bhiwani, Mewat, Palwal, Ambala and Yamuna Nagar districts of the state. Moderately deep water levels of 10-20m are observed in nearly 24% wells and 29% of the area falling in Panipat, Karnal, Kurukshetra, Yamuna Nagar, Ambala, Panchkula, Kaithal, Jind, Fatehabad, Sirsa, Hissar, Bhiwani, Rewari, Mahendragarh, Gurgaon and Faridabad Districts. Deep water levels of 20-40m have been registered in 21% of wells and about 25% area reported from Ambala, Kurukshetra, Kaithal, Karnal, Panipat, Sonipat, Jind, Fatehabad, Sirsa, Bhiwani, Rewari, Mahendragarh, Gurgaon and Faridabad districts. Very Deep water levels (>40m) also occur in less than 3% of the wells and 6% area falling in Bhiwani and Mahendragarh districts & isolated patches in Kurukshetra, Kaithal, Fatehabad and Sirsa districts.

Summarized details of behaviour of depth to water level						
%age	Depth to water level(m) ranges					
	0-2	2-5	5-10	10-20	20-40	>40
Wells monitored	11	19	22	24	21	3
Area covered	3	15	23	29	25	6

FIG. 3



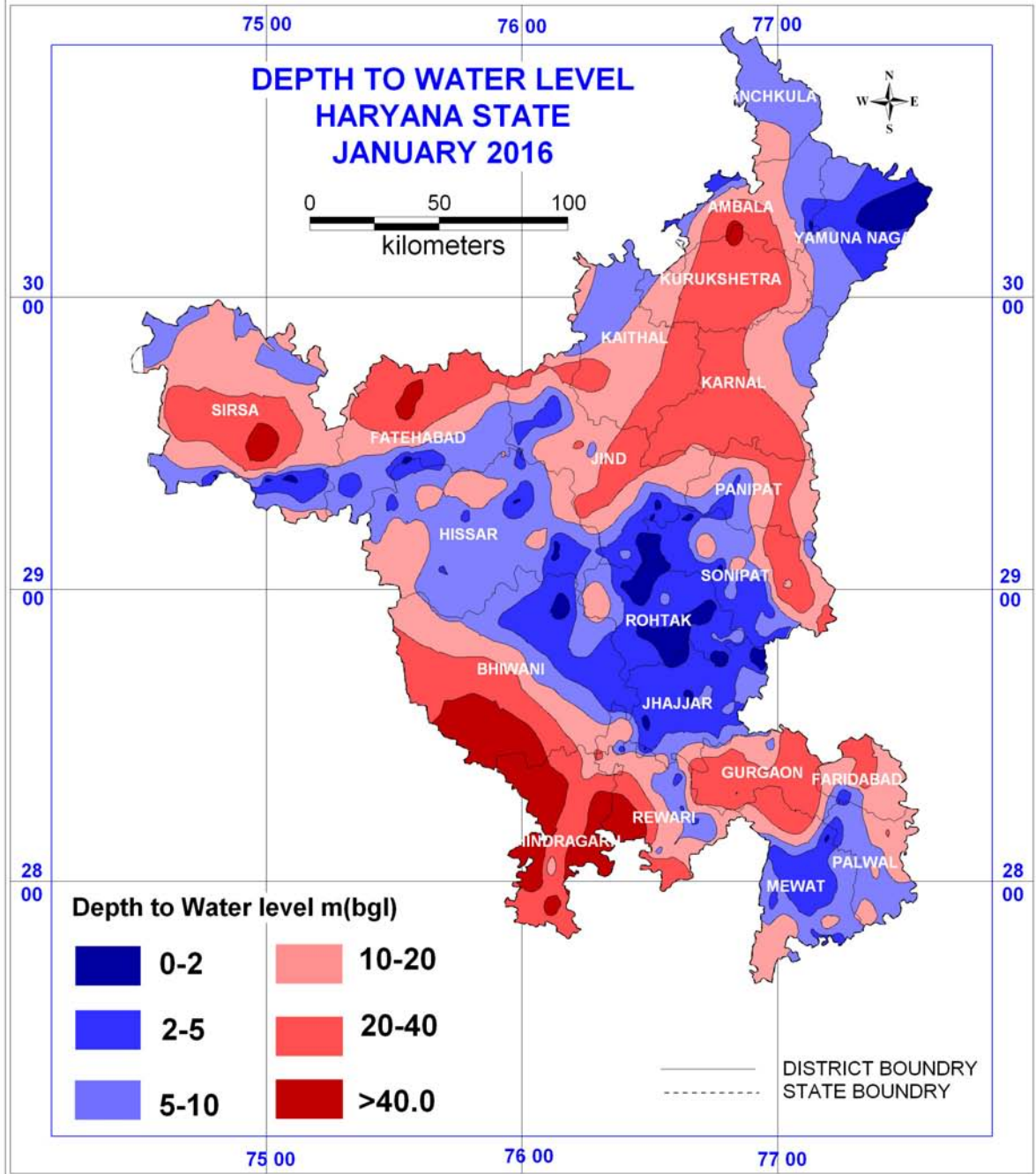
3.1.4 JANUARY 2016

The behavioral pattern of depth to water level data of January 2016 discussed below along with depth to water level map (Fig.4) and data are presented in Annexure-1 (Col-7).

The depth to water level during January 2016 varies from 0.28m bgl at Kulasi in Mewat district to 99m bgl at Kultajpur in Mahendragarh district. Very shallow (0-2m) water levels conditions are observed in 9% wells and 2% area of state fall in this group which indicates water logging conditions. It is observed in central parts, Sonipat and Rohtak and in northeastern parts of Yamuna nagar district of the state. Shallow water levels (2-5m) observed in 21% wells and 12% area mainly in the central haryana covering parts of Sonipat, Rohtak and Jhajjar districts, western haryana in parts of Hisaar and sirsa districts Sirsa and Hissar and in the south, Faridabad, Palwal and Mewat districts. Moderate water levels (5-10m) occur in 24% wells covering 29% of area of the state covering parts of Sonipat, Jind, Jhajjar, Rohtak, Rewari, Bhiwani, Hissar, Fatehabad, Sirsa, Mohindergarh, Mewat and Palwal districts. Moderately deep water levels of 10-20m are observed in nearly 24% wells and 29% of the area falling in Sonipat, Panipat, Karnal, Kurukshetra, Jind, Fatehabad, Sirsa Hissar, Bhiwani, Rewari, Mahendragarh, Gurgaon and Faridabad districts. Deep water levels of 20-40m have been registered in 18% of wells and about 22% area reported from Fatehabad, Sirsa, Kurukshetra, Kaithal, Karnal, Panipat, Sonipat, Bhiwani, Rewari, Mahendragarh, Gurgaon districts. Very Deep water levels (>40m) also occur in less than 4% of the wells and 6% area falling in Bhiwani and Mahendragarh districts & isolated patches in Kurukshetra, of Fatehabad and Sirsa districts.

Summarized details of behaviour of depth to water level						
	Depth to water level(m) ranges					
%age	0-2	2-5	5-10	10-20	20-40	>40
Wells monitored	9	21	24	24	18	4
Area covered	2	12	29	29	22	6

FIG. 4



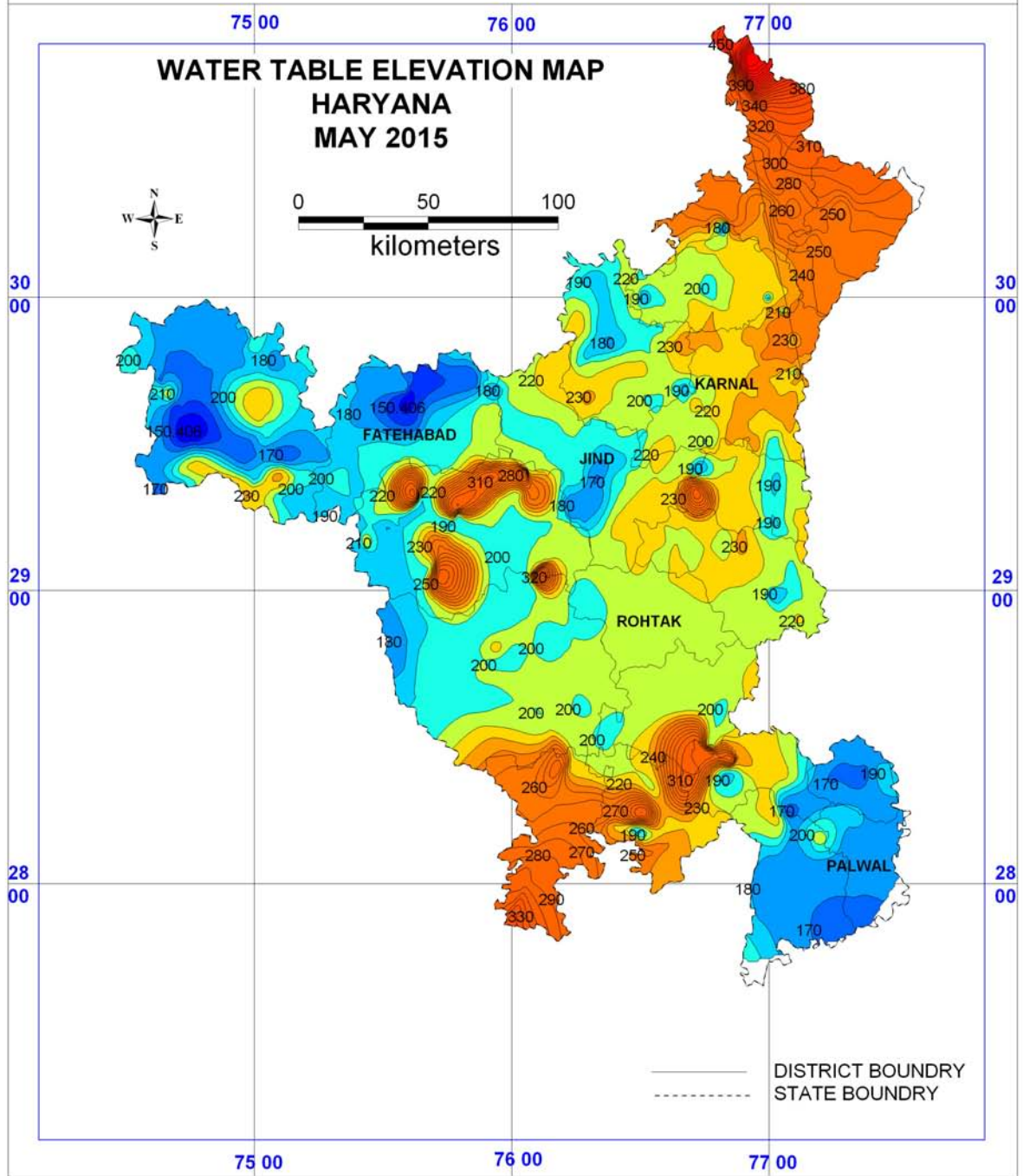
3.2 WATER TABLE ELEVATION

3.2.1 MAY 2015

The water table elevation map helps in determining the hydraulic gradient and ground water flow direction.

The water table elevation contours in the area follows the topography and it varies from 556.98m AMSL in northeastern part in Panchkula district to 150.36m AMSL in southeastern part in Palwal district. The general ground water flow is from Northeast to Southwest direction. However, in the southern part it is towards central part thus creating a closed basin causing water logging conditions in the central Haryana in parts of Rohtak, Bhiwani and Hissar districts. The hydraulic gradient is steep in the northern, eastern and southwestern parts of the State, whereas, it is gentle in the southeastern part. The major part of the state has moderate water table gradients. The sluggish ground water movement (0.07 m/km) observed in central part results in water logging on regional scale as depicted in (Fig.5).

FIG.5



3.3 SEASONAL FLUCTUATIONS

The water level data of current month or monitoring period is compared with water level data of monitoring period and seasonal water level fluctuation is determined.

3.3.1 JANUARY 2015 - MAY 2015

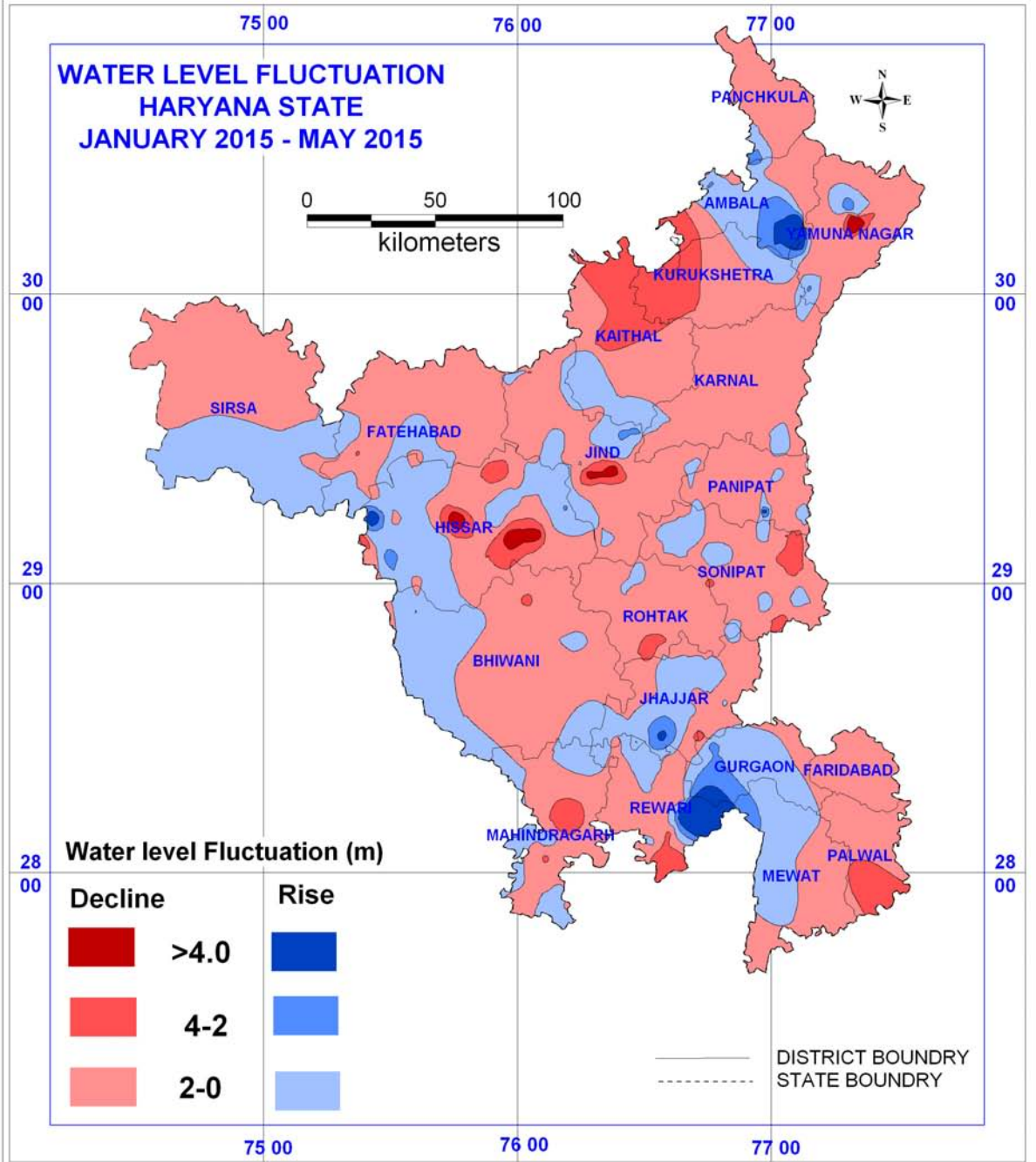
The behavioral pattern of seasonal water level fluctuation is discussed below along with map (Fig. 6) and data are presented in Annexure-2 (Col-4).

The interpretation of seasonal fluctuations indicates a general decline ranging from 0.01-8.88m in 66% of the wells monitored covering an area of 70% of the State. The water level decline in the range of 0-2m has been observed in 59% wells and 63% of the area in all districts. Water level decline in range of 2-4m has been observed in 5% wells and 7% of the area covering parts of Kaithal and Kurukshetra along with isolated patches in Hissar, Mahendragarh, Jind, Palwal and Rewari districts. Water level decline >4m is recorded in 2% wells and 1% of the area in Hissar and Jind districts.

The water level Rise ranging from 0.18-2.16m has been observed in 34% of the wells and 30% of the area depict Rise in water levels. The water level Rise of 0-2m has been observed in 28% of wells and 27% of area declining in Sirsa, Hissar, Bhiwani, Fatehabad, Jind, Kaithal, Jhajjar, Rohtak and isolated patches in Sonipat, Panipat Yamuna nagar and Ambala districts. The water level Rise of 2-4m has been observed in 4% of wells and 2% of area of the state. Water level rise >4m is recorded in 2% wells and 1% of the area in Sonipat, Sirsa and Mahendragarh districts.

Summarized details of behaviour of depth to water level								
Water level fluctuation(m)	Decline				Rise			
%age	2-0	4-2	>4	Total	2-0	4-2	>4	Total
Wells monitored	59	5	2	66	28	4	2	34
Area covered	63	7	1	70	27	2	1	30

FIG. 6



3.3.2 MAY 2015 - AUGUST 2015

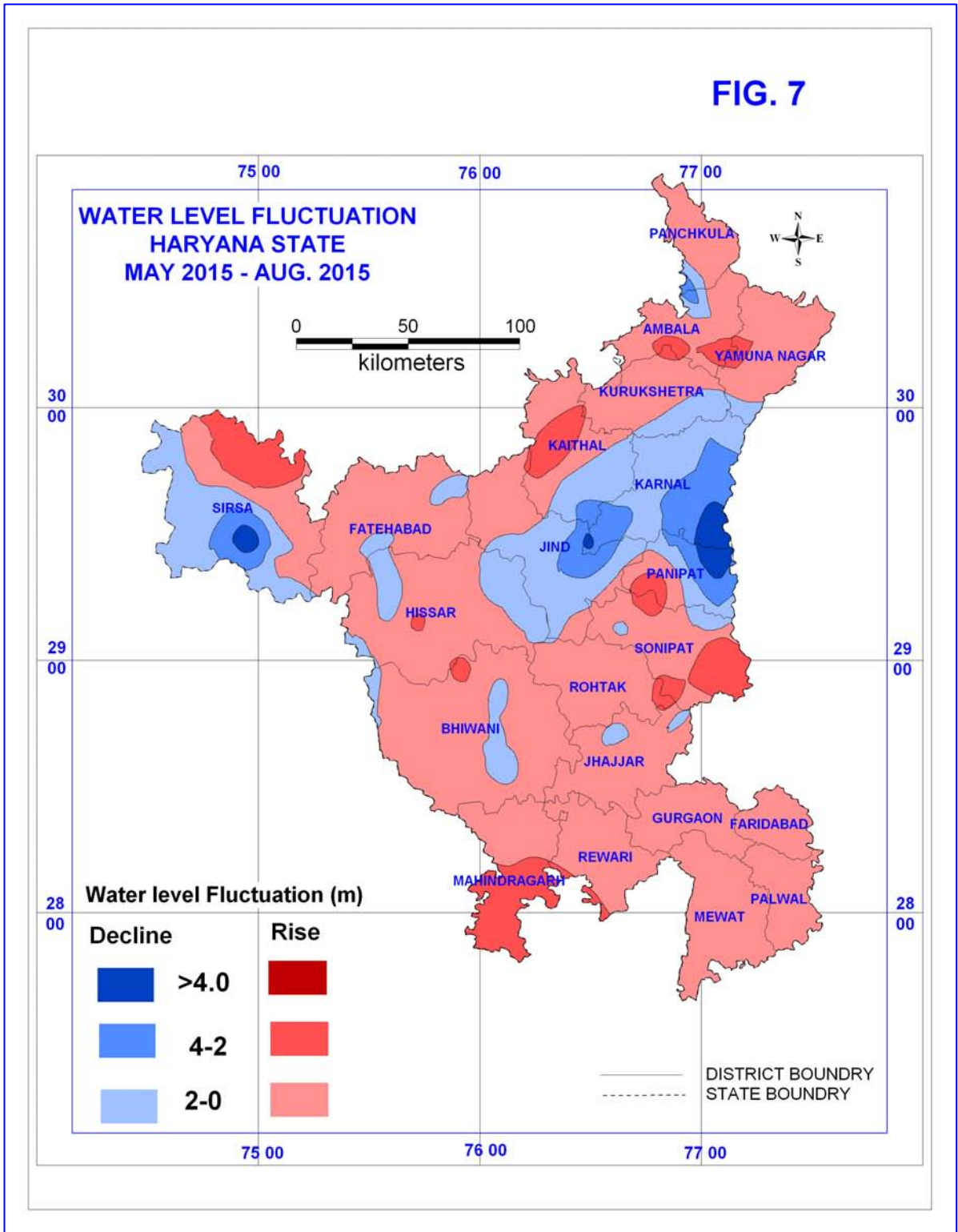
The behavioral pattern of seasonal fluctuations is discussed below along with seasonal water level fluctuation map (Fig. 7).and data are presented in Annexure-2 (Col-5).

The interpretation of seasonal fluctuations indicates a general decline ranging from 0.01-5.39m in 37% of the wells monitored covering an area of 24% of the State. The water level decline in the range of 0-2m has been observed in 31% wells and 17% of the area in all districts. Water level decline in range of 2-4m has been observed in 5% wells and 6% of the area covering parts of Sirsa, Panipat, Yamunanagar, Kurukshetra, Kaithal, Jind and Ambala districts. Water level decline >4m is recorded in 1% wells and 1% of the area in Karnal, Kurukshetra and Kaithal districts.

The water level Rise ranging from 0.58-3.35m has been observed in 63% of the wells and 76% of the area of the state. The water level Rise of 0-2m has been observed in 47% of wells and 68% of area rising in Panchkula, Ambala, Yamunanagar, Mewat, Gurgaon, Mahendragarh, Bhiwani, Sirsa, Fatehabad, Jind, Jhajjar, Rohtak and Sonipat districts. The water level Rise of 2-4m has been observed in 16% of wells and 8% of area rising in Panchkula and Ambala districts. The water level Rise of >4m has not been observed in the state during the period.

Summarized details of behaviour of depth to water level								
Water level fluctuation(m)	Decline				Rise			
	2-0	4-2	>4	subtotal	2-0	4-2	>4	subtotal
%age								
Wells monitored	31	5	1	37	47	16	0	63
Area covered	17	6	1	24	68	8	0	76

FIG. 7



3.3.3 MAY 2015 - NOVEMBER 2015

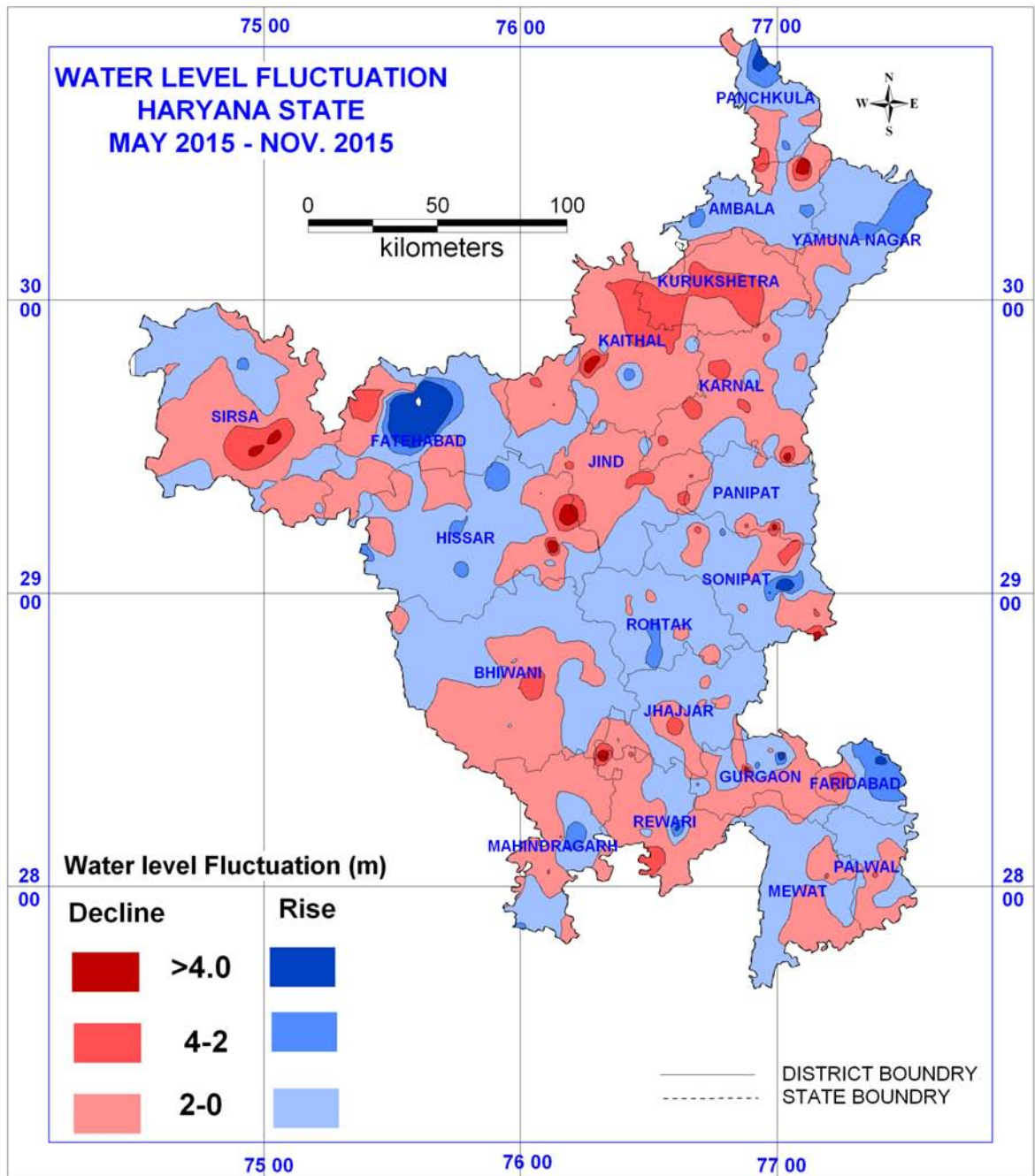
The behavioral pattern of seasonal fluctuations is discussed below along with seasonal water level fluctuation map (Fig. 8).and data are presented in Annexure-2 (Col-6).

The interpretation of seasonal fluctuations indicates a general decline ranging from 0.01-12.23m in 46% of the wells monitored covering an area of 49% of the State. The water level decline in the range of 0-2m has been observed in 37% wells and 43% of the area in all districts. Water level decline in range of 2-4m has been observed in 7% wells and 5% of the area covering parts of Sirsa, Jind, Kaithal, Karnal, Kurukshetra, Panipat, Sonapat Mahendragarh and Faridabad districts. Water level decline more than 4m is recorded in 2% wells and 1% of the area in isolated patches.

The water level Rise ranging from 0.01-0.82m has been observed in 53% of the wells and 51% of the area depict Rise in water levels. The water level Rise of 0-2m has been observed in 48% of wells and 47% of area rising Panchkula, Ambala, Yamuna Nagar, Kaithal, Jind, Fatehabad, Sirsa, Hissar, Jhajjar, Rohtak, Sonapat and Bhiwani districts. The water level Rise of 2-4m has been observed in 4% of wells and 3% of area. Water level decline more than 4m is recorded in 1% wells and 1% of the area in isolated patches.

Summarized details of behaviour of depth to water level								
WL fluctuation(m)	Decline				Rise			
%age	2-0	4-2	>4	Total	2-0	4-2	>4	Total
Wells monitored	37	7	2	46	48	4	1	53
Area covered	43	5	1	49	47	3	1	51

FIG. 8



3.3.4 MAY 2015 – JANUARY 2016

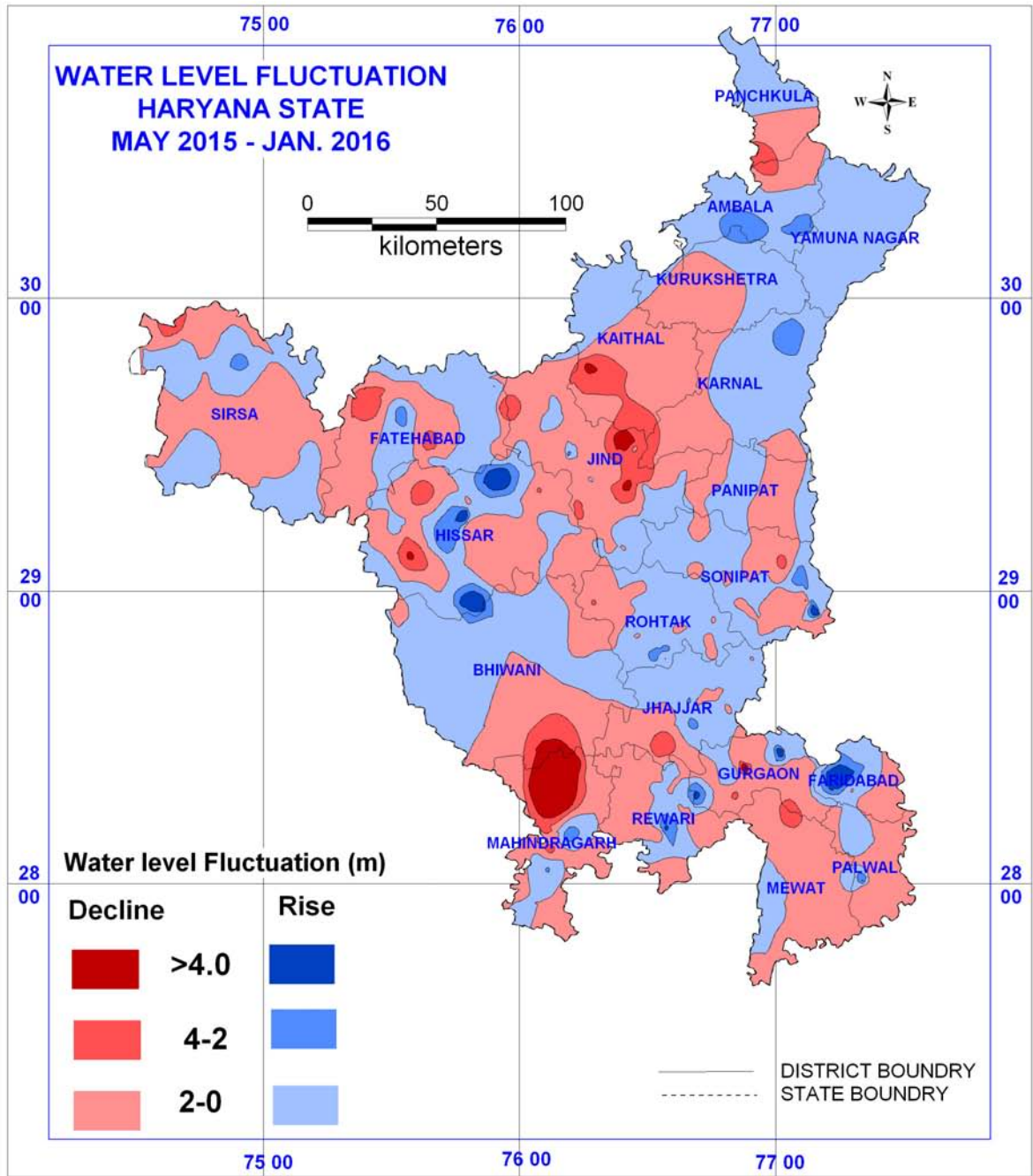
The behavioral pattern of seasonal fluctuations is discussed below along with seasonal water level fluctuation map (Fig. 9).and data are presented in Annexure-2 (Col-7).

The interpretation of seasonal fluctuations indicates a general decline ranging from 0.05-5.45m in 56% of the wells monitored covering an area of 48% of the State. The water level decline in the range of 0-2m has been observed in 47% wells and 40% of the area in all districts. Water level decline in range of 2-4m has been observed in 7% wells and 6% of the area covering parts of Sirsa, Kurukshetra, Karnal, Panipat and Sonipat districts. Water level decline more than 4m is recorded in 2% wells and 2% of the area in isolated patches.

The water level Rise ranging from 0.6-4.3m has been observed in 44% of the wells and 52% of the area depict rise in water levels. The water level Rise of 0-2m has been observed in 38% of wells and 46% of area rising in Sirsa, Hissar, Fatehabad, Jind, Kaithal, Kurukshetra Karnal Jhajjar, Rohtak, Sonipat and Bhiwani districts. The water level Rise of 2-4m has been observed in 4% of wells and 5% of area. Water level rise more than 4m is recorded in 2% wells and 1% of the area in isolated patches.

Summarized details of seasonal water level fluctuation								
Water level fluctuation(m)	Decline				Rise			
	2-0	4-2	>4	Total	2-0	4-2	>4	Total
%age								
Wells monitored	47	7	2	56	38	4	2	44
Area covered	40	6	2	48	46	5	1	52

FIG. 9



3.4 ANNUAL WATER LEVEL FLUCTUATIONS

The water level data of current season (i.e. May 2015) when compared with water level data of corresponding period of previous year (i.e. May 2014) annual water level fluctuations is determined.

3.4.1 MAY 2014 – MAY 2015

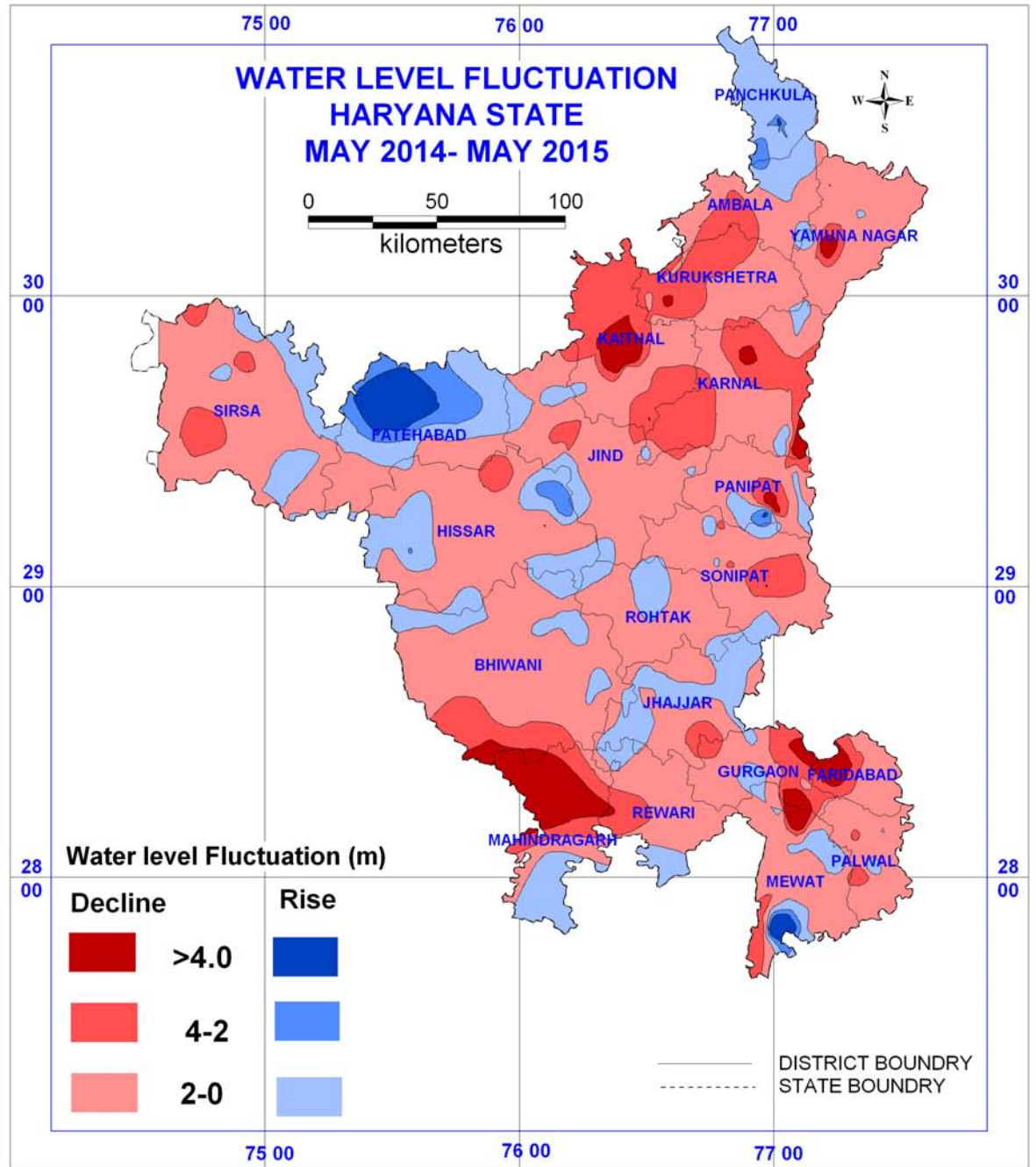
The behavioral pattern of annual fluctuations is discussed along with (Fig. 10) and data are presented in Annexure-3 (Col-4).

The interpretations of annual water level fluctuation depicts water level decline in about 71% of wells monitored and 79% of the area of the state. Water level Decline (0-2m) has been recorded in 54% of wells and 60% of area in isolated patches especially in Panchkula, Ambala, Kurukshetra, Fatehabad, Sirsa, Bhiwani, Mahendragarh, Rewari, Gurgaon, Jind, Karnal, Panipat and Sonipat districts. Water level decline (2-4m) has recorded in 12% of wells and 15% of area in small patches in Kurukshetra, Kaithal and Sirsa districts. Water level decline of more than 4m is observed in 5% of wells and 4% of area.

Water level rise has recorded in 29% of the wells and 21% of the area. Water level Rise (0-2m) has been recorded in 26% of the wells and 18% area covering central parts of the state. Water level Rise of 2-4m has been observed in small patches in 2% of wells and 2% of area of the state in parts of Bhiwani, Gurgaon, Rewari, Jhajjar and Ambala districts. Water level Rise of more than 4m observed in 1% of wells and 1% of area.

Summarized Details of Annual Water Level Fluctuation								
Water level fluctuation(m)	Decline				Rise			
%age	2-0	4-2	>4	Total	2-0	4-2	>4	Total
Wells monitored	54	12	5	71	26	2	1	29
Area covered	60	15	4	79	18	2	1	21

FIG. 10



3.4.2 August 2014 – August 2015

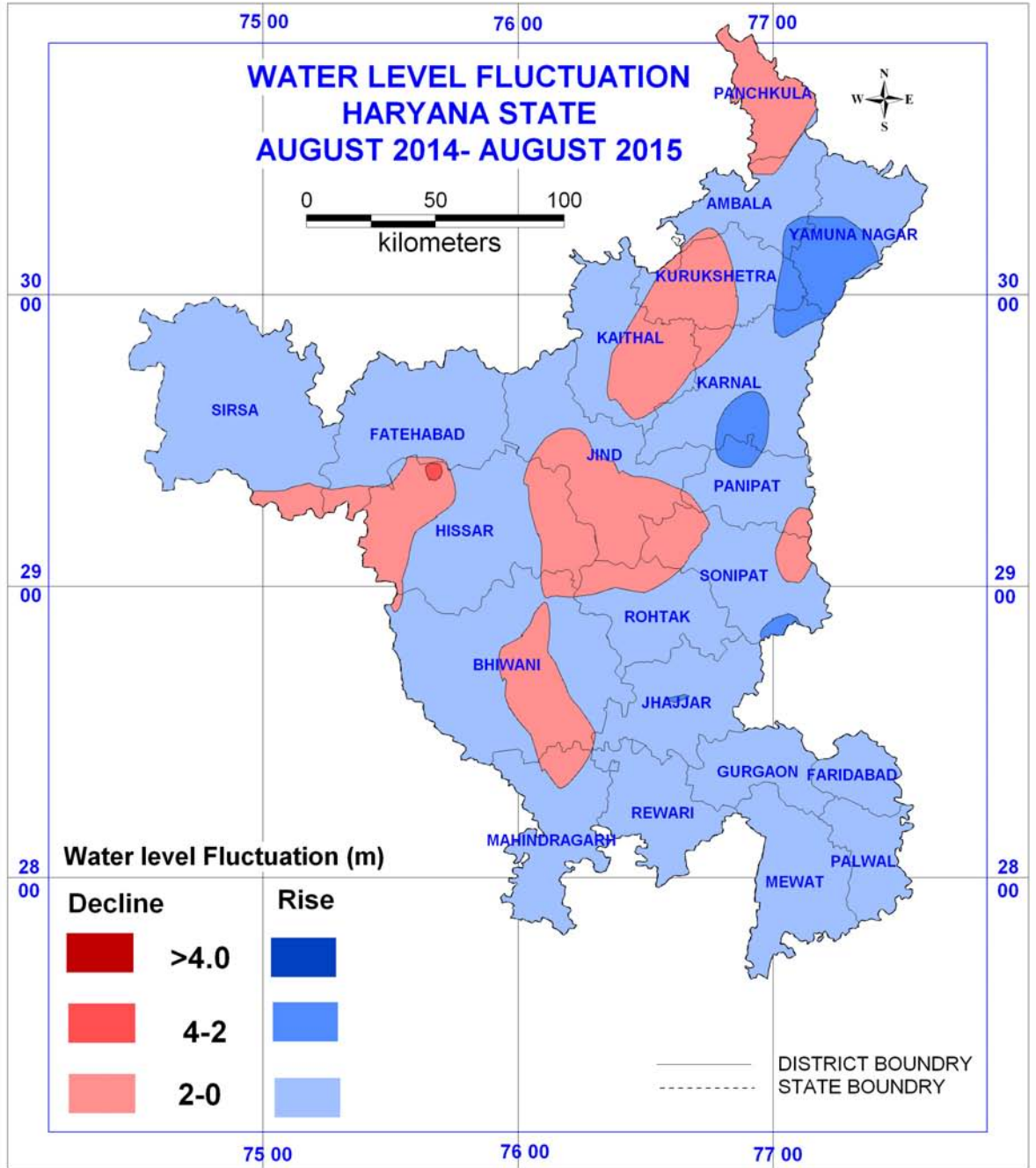
The behavioral pattern of annual fluctuations is discussed along with (Fig.11) below and data are presented in Annexure-3 (Col-5).

The interpretations of annual water level fluctuations depicts water level decline in about 63% of wells monitored and 72% of the area of the state. Water level decline (0-2m) has been recorded in 54% of wells and 68% of area in all districts except Panchkula. Water level Decline (2-4m) has recorded in 9% of wells and 4% of area in small patches in Jind, Karnal, Panipat, Sonipat, Kurukshetra, Kaithal and Sirsa districts. Water level decline of more than 4m was not observed during the period.

The water level rise has been recorded remaining 37% of the wells and 28% of the area. Water level Rise (0-2m) has been recorded in 35% of the wells and 20% area covering central parts of the state. Water level Rise of 2-4m has been observed in small patches in 2% of wells and 8% of area of the state in parts of Bhiwani, Gurgaon, Rewari, Jhajjar and Ambala districts. Water level rise of more than 4m was not observed during the period.

Summarized Details of Annual Water Level Fluctuation								
Water level fluctuation(m)	Decline				Rise			
%age	2-0	4-2	>4	subtotal	2-0	4-2	>4	subtotal
Wells monitored	54	9	0	63	35	2	0	37
Area covered	68	4	0	72	20	8	0	28

FIG. 11



3.4.3 NOVEMBER 2014 – NOVEMBER 2015

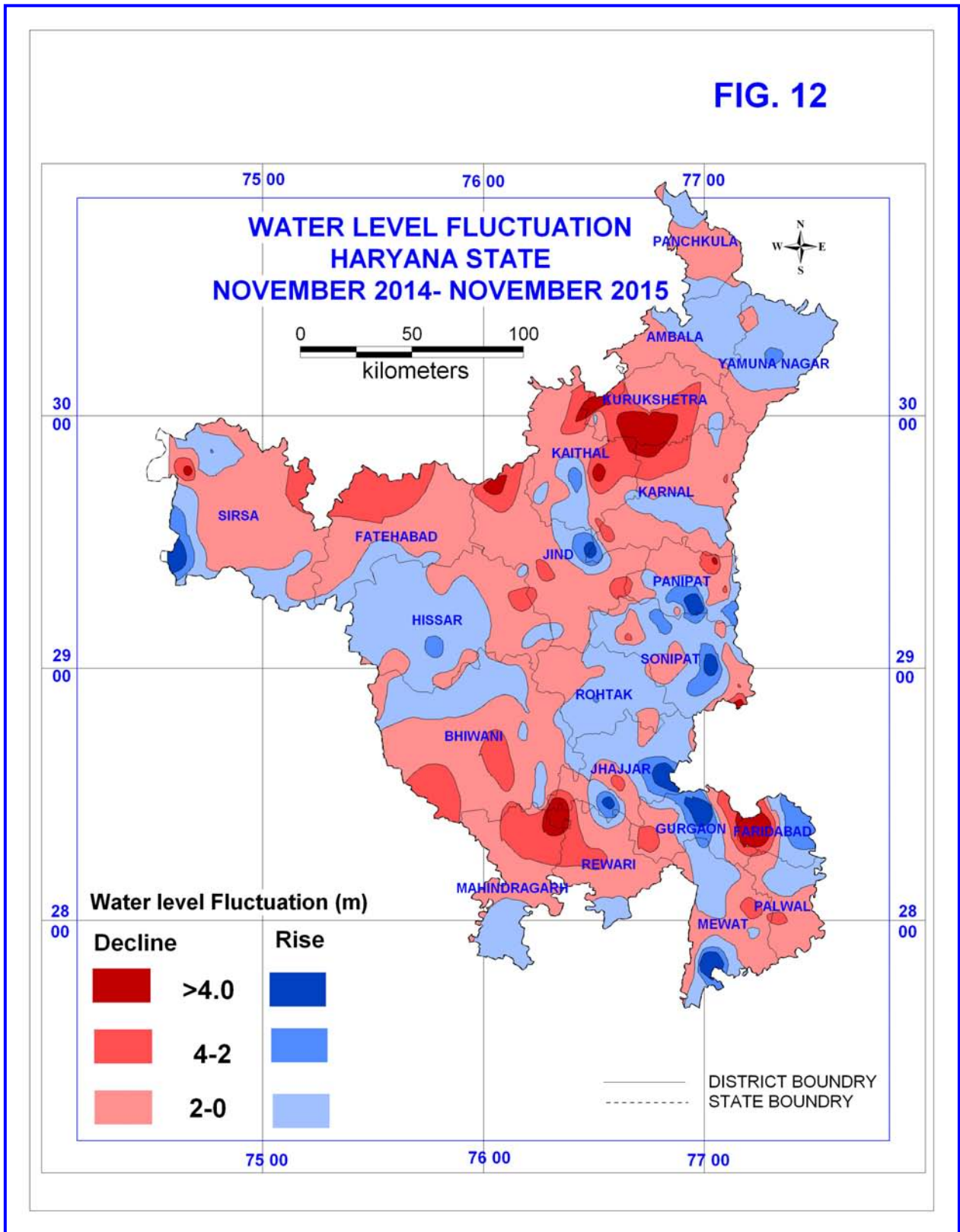
The behavioral pattern of annual fluctuations is discussed along with (Fig. 12) below and data are presented in Annexure-3 (Col-6).

The interpretations of annual water level depicts water level Decline in about 54% of wells monitored and 62% of the area of the state. Water level decline (0-2m) has been recorded in 42% of wells and 50% of area in all districts in the state. Water level Decline (2-4m) has recorded in 8% of wells and 10% of area in Kurukshetra, Sirsa, Bhiwani, Mahendragarh, Rewari, Gurgaon, Jind, Karnal, Panipat and Sonipat districts. Water level Decline of >4m recorded in 4% of wells and 2% of area of the state.

Water level Rise recorded in 46% of the wells and 38% of the area. Water level Rise (0-2m) has been recorded in 38% of the wells and 33% area covering parts karnal, Kurukshetra, Ambala, Jind, Fatehabad, Sirsa, Hissar and Bhiwani districts. Water level Rise of 2-4m has been observed in small patches in 5% of wells and 3% of area and water level Rise of >4m recorded in 3% of wells and 2% of area of the state.

Summarized Details of Annual Water Level Fluctuation								
Water level fluctuation(m)	Decline				Rise			
%age	2-0	4-2	>4	Total	2-0	4-2	>4	Total
Wells monitored	42	8	4	54	38	5	3	46
Area covered	50	10	2	62	33	3	2	38

FIG. 12



3.4.4 JANUARY 2015 – JANUARY 2016

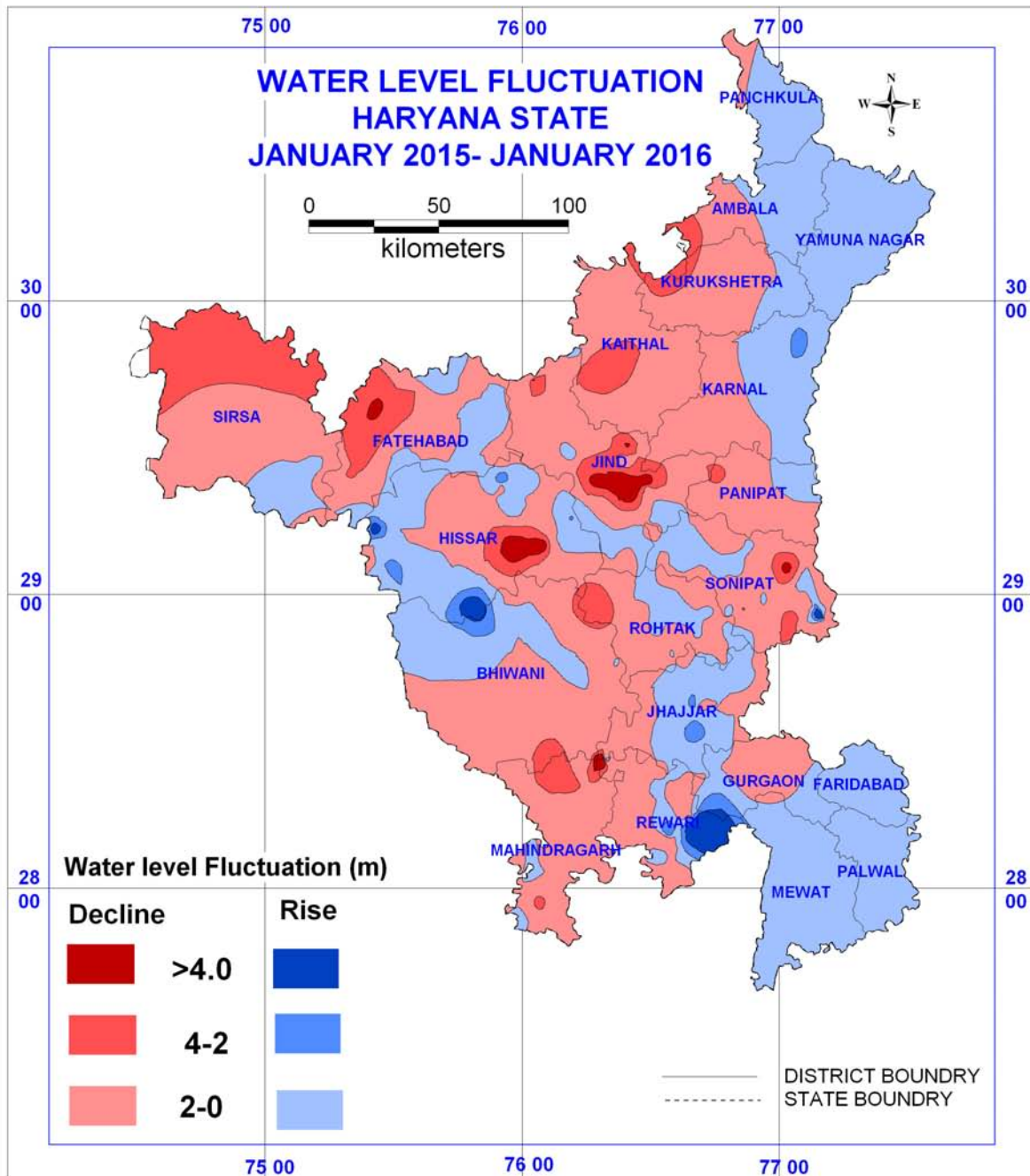
The behavioral pattern of annual fluctuations is discussed along with (Fig. 13) below and data are presented in Annexure-3 (Col-7).

The interpretations of annual water level fluctuations depicts water level decline in about 63% of wells monitored and 60% of the area of the state. Water level decline (0-2m) has been recorded in 52% of wells and 50% of area in Panchkula, Ambala, Yamunanagar, Kurukshetra, Kaithal, Jind, Fatehabad, Hissar, Bhiwani, Mahendragarh, Rewari, Gurgaon, Mewat, Palwal, Faridabad, Karnal, Panipat and Sonipat districts. Water level decline (2-4m) has recorded in 4% of wells and 1% of area in small patches in Kurukshetra, Kaithal and Sirsa districts. Water level decline of more than 4m was observed in 4% of wells and 1% of area of the state.

Water level rise has been recorded in 37% of the wells and 40% of the area of the state. Water level Rise (0-2m) has been recorded in 33% of the wells and 38% area covering parts of Sirsa, Fatehabad, Hissar, Bhiwani, Mahendragarh Jhajjar, Rohtak and Sonipat districts. Water level Rise of 2-4m has been observed in small patches in 2% of wells and 1% of area of the state especially in parts of Bhiwani, Rohtak and Sonipat districts. Water level rise of more than 4m was observed in 2% of wells and 1% of area of the state.

Summarized Details of Annual Water Level Fluctuation								
Water level fluctuation(m)	Decline				Rise			
	2-0	4-2	>4	Total	2-0	4-2	>4	Total
%age								
Wells monitored	52	7	4	63	33	2	2	37
Area covered	50	9	1	60	38	1	1	40

FIG. 13



3.5 DECADAL MEAN WATER LEVEL FLUCTUATION

To determine the changes in water level behaviour since last one decade have been observed using decadal mean data. Mean of Water level data of all ground water observation wells for past one decade, (say, May 2005:2014) are computed and compared with the water level data of current month (say May 2015).

3.5.1 MAY (2005:2014) & MAY 2015

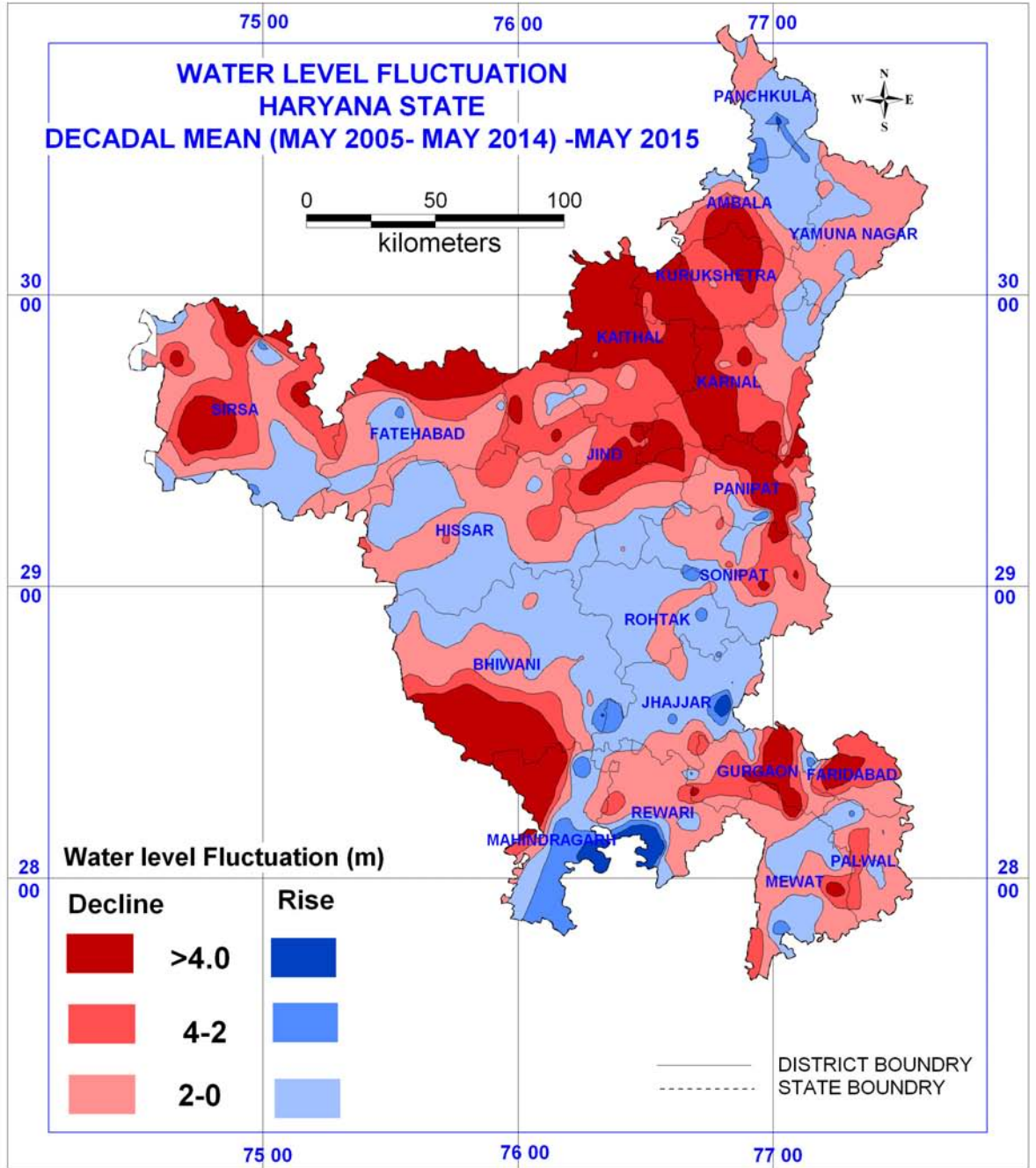
The behaviour of water level over the period under reference is discussed in following paragraph along with map (Fig. 14) and data are given in (Annexure-IV Col-4).

The interpretations of decadal mean fluctuations so arrived at indicate water level decline ranges from 0.01m to 14.48m in 60% of wells which covers about 68% area of the State in parts of Panchkula, Ambala, Kurukshetra, Karnal, Panipat, Sonipat, Jind, Fatehabad, Sirsa, Hissar, Bhiwani, Mahendragarh, Gurgaon, Faridabad and Palwal districts of the State. Water level decline in the range of 0-2m has been reported from 31% of the wells covering 34% of area of the state, Water level decline between 2-4 m has been reported from 15% of wells covering 18% area of the state in parts of Panipat, Karnal, Kurukshetra, Kaithal, Ambala, Bhiwani, Mahendragarh, Rewari Gurgaon and Faridabad districts. Water level decline of more than 4m has been observed in 14% wells and 16% of the area of state covering parts of Ambala, Karnal, Kurukshetra, Kaithal, Fatehabad, Jind, Sirsa, Bhiwani, Rewari and Faridabad districts.

The water level rise ranges from 0.66m to 2.13m has been observed in 40% of wells and 32% area. Water level rise in the range of 0-2m has been observed in 34% wells covering 29% area of the state, covering Panchkula, Ambala, Yamuna nagar Sonipat, Jind, Rohtak, Fatehabad, Sirsa, Hissar, Bhiwani, Mahendragarh, Rewari, Mewat and Palwal districts. Water level rise between 2-4 m has been observed patches in small patches in 4% wells and 2% area of the state. Water level decline of more than 4m has been observed in 2% wells and 1% of the area of state covering parts of Ambala, Karnal, Kurukshetra, Kaithal, Fatehabad, Jind, Sirsa, Bhiwani, Mahendragarh and Faridabad districts.

Summarized Details Of Decadal Mean Water Level Fluctuation								
Water level fluctuation(m)	Decline				Rise			
%age	2-0	4-2	>4	Total	2-0	4-2	>4	Total
Wells monitored	31	15	14	60	34	4	2	40
Area covered	34	18	16	68	29	2	1	32

FIG. 14



3.5.2 MEAN AUGUST (2005:2014) & AUGUST 2015

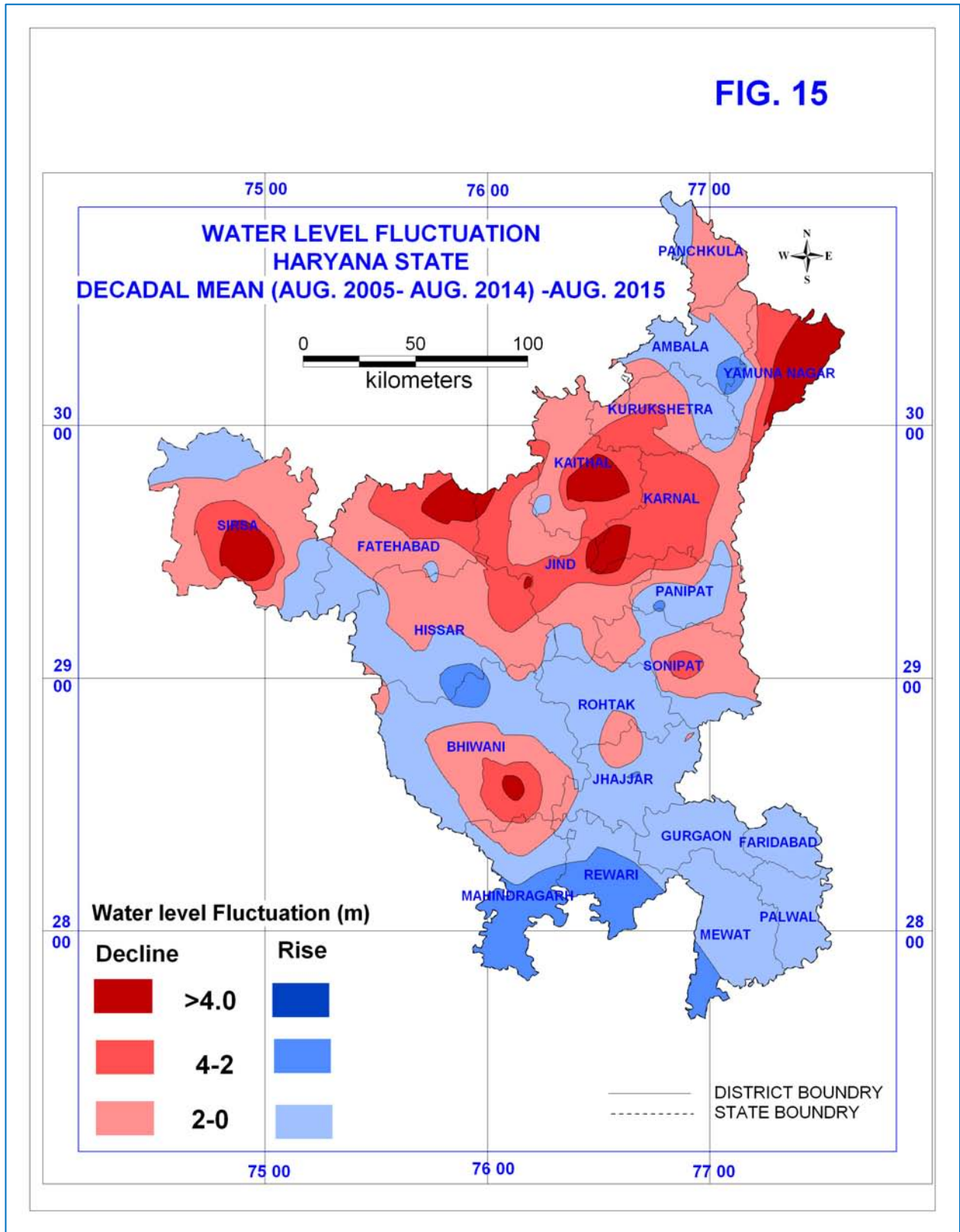
The behaviour of water level over the period under reference is discussed in following paragraph alongwith map (Fig.15) and data are given in (Annexure-IV- Col. 5).

The interpretations of decadal mean fluctuations indicate water level decline ranges from 0.01m to 14.48m in 65% of wells monitored and about 76% area of the State. Water level decline in the range of 0-2m has been reported from 44% of the wells covering 5231% of area in parts of Panchkula, Ambala, Kurukshetra, Karnal, Panipat, Sonipat, Jind, Fatehabad, Sirsa, Hissar, Bhiwani, Mahendragarh, Gurgaon, Faridabad and Palwal districts of the State. , Water level decline between 2-4 m has been reported from 15% of wells covering 18% area of the state in parts of Panipat, Karnal, Kurukshetra, Kaithal, Ambala, Bhiwani, Mahendragarh, Rewari Gurgaon and Faridabad districts. Water level decline of more than 4m has been observed in 6% wells and 6% of the area of state covering parts of Ambala, Karnal, Kurukshetra, Kaithal, Fatehabad, Jind, Sirsa, Bhiwani, Rewari and Faridabad districts.

The water level rise from 0.01m to 14.48m has been observed in 35% of wells and 24% area. Water level rise in the range of 0-2m has been observed in 29% wells covering 19% area of the state, covering Panchkula, Ambala, Yamuna nagar Sonipat, Jind, Rohtak, Fatehabad, Sirsa, Hissar, Bhiwani, Mahendragarh, Rewari, Mewat and Palwal districts. Water level rise 2-4m has been observed small patches in small patches in 3% wells and 3% area of the state. Water level rise >4m has been observed small patches in small patches in 3% wells and 2% area of the state. Summarized details of water level fluctuation in various ranges with percentage of wells monitored and percentage of area is shown in table below.

Summarized Details Of Decadal Mean Water Level Fluctuation								
Water level fluctuation(m)	Decline				Rise			
%age	2-0	4-2	>4	Total	2-0	4-2	>4	Total
Wells monitored	47	16	2	65	30	4	1	35
Area covered	41	18	6	65	28	7	0	35

FIG. 15



3.5.3 Mean November (2005:2014) & November 2015

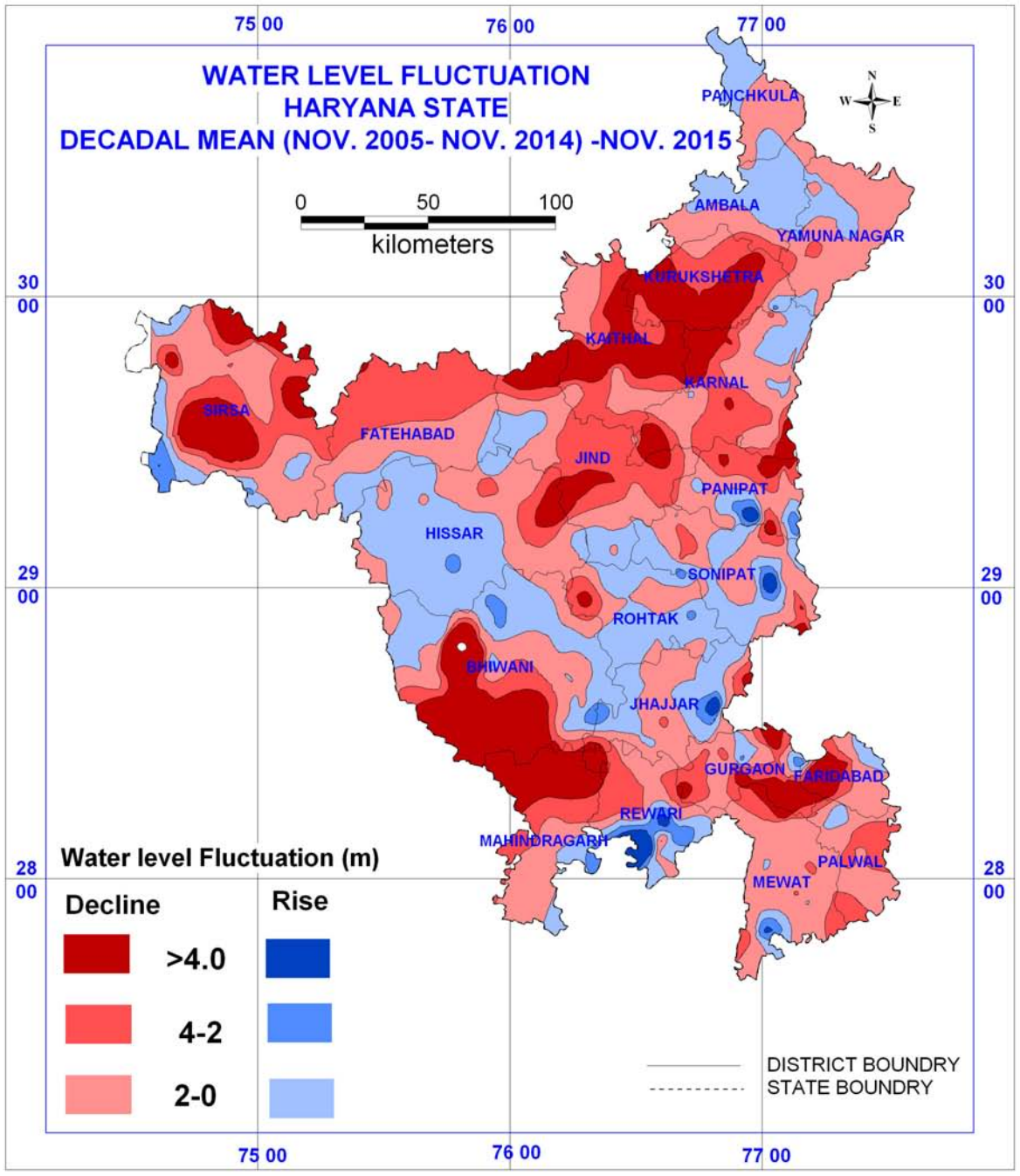
The behaviour of water level over the period under reference is discussed in following paragraph along alongwith map (Fig.16) and data are given in (Annexure-IV-Col. 6).

The interpretations of decadal mean fluctuations so arrived at indicate general water level decline from 0.01m to 14.48m in 69% of wells which covers about 80% area of the State have shown water level decline. Water level decline in the range of 0-2m has been reported from 43% of the wells covering 46% of area in all districts of the state. Water level decline between 2-4 m has been reported from 16% of wells covering 22% area of the state in parts of Panipat, Karnal, Kurukshetra, Kaithal, Fatehabad, sirsa, Bhiwani, Mahendragarh, Rewari Gurgaon and Faridabad districts. Water level decline of more than 4m has been observed in 10% wells and 12% of the area of state covering parts of Karnal, Kurukshetra, Kaithal, Fatehabad, Jind, Sirsa, Bhiwani, Mahendragarh, Rewari and Faridabad districts.

The water level rise from 0.01m to 14.48m has been observed in 31% of wells and 20% area. Water level rise in the range of 0-2m has been observed in 27% wells covering 19% area of the state, covering Panchkula, Ambala, Yamuna nagar Sonipat, Jind, Rohtak, Fatehabad, Sirsa, Hissar and Bhiwani districts. Water level rise of 2-4m has been observed in 3% wells and 1% area of the state. Water level rise of >4m has been observed in 1% wells and <1% area of the state. Summarized details of water level fluctuation in various ranges with percentage of wells monitored and percentage of area is shown in table below.

Summarized Details of Decadal Mean Water Level Fluctuation								
Water level fluctuation(m)	Decline				Rise			
	%age	2-0	4-2	>4	Total	2-0	4-2	>4
Wells monitored	48	4	1	53	37	7	2	47
Area covered	38	21	2	67	28	3	2	33

FIG. 16



3.5.4 Mean January (2005:2015) & January 2016

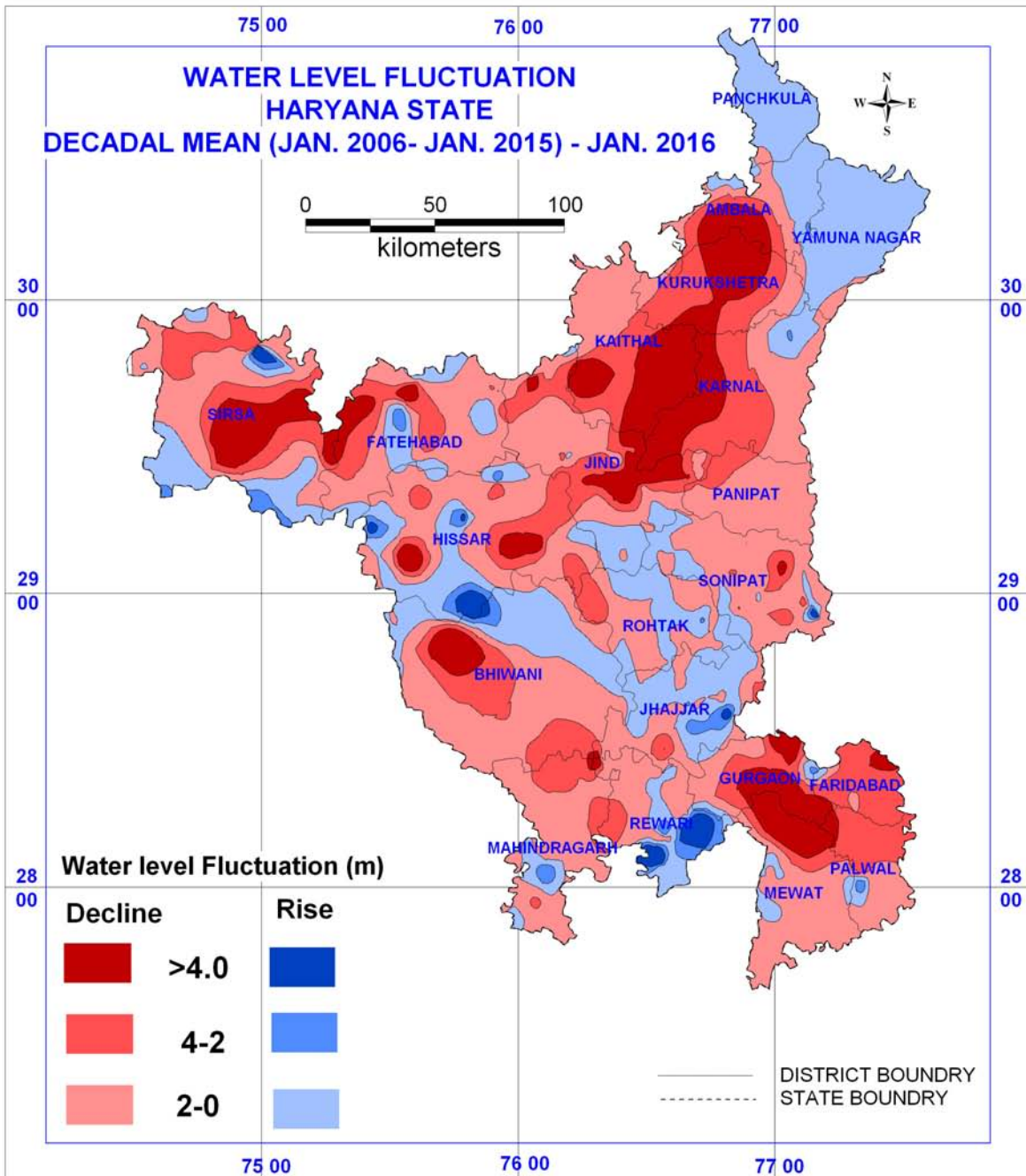
The behaviour of water level over the period under reference is discussed in following paragraph along with map (Fig.17) and data are given in (Annexure-IV- Col. 7).

The interpretations of decadal mean fluctuations so arrived at indicate water level decline from 0.01m to 14.48m in About 58% of wells which covers about 63% area of the State have shown water level decline. Water level decline in the range of 0-2m has been reported from 34% of the wells covering 38% of area in Panchkula, Ambala, Kurukshetra, Karnal, Panipat, Sonapat, Jind, Fatehabad, Sirsa, Hissar, Bhiwani, Mahendragarh, Gurgaon and Mewat districts of the State. Water level decline between 2-4 m has been reported from 18% of wells covering 14% area of the state in parts of Panchkula, Ambala, Panipat, Karnal, Kurukshetra, Kaithal, Jind, Fatehabad, Hissar, Bhiwani, Mahendragarh, Rewari and Gurgaon districts. Water level decline of more than 4m has been observed in 6% wells and 10% of the area of state covering parts of Karnal, Kurukshetra, Kaithal, Fatehabad, Jind, and Rewari districts.

The water level rise from 0.01m to 14.48m has been observed in 42% of wells and 37% area. Water level rise in the range of 0-2m has been observed in 34% wells covering 30% area of the state, covering Panchkula, Ambala, Sonapat, Rohtak, Sirsa, Hissar, Bhiwani, Mahendragarh, Mewat, Faridabad and Palwal districts. Water level rise of 2-4m has been observed in 5% wells and 7% area of the state. Water level rise of >4m has been observed in 1% wells and <1% area of the state.

Summarized Details of Decadal Mean Water Level Fluctuation								
Water level fluctuation(m)	Decline				Rise			
%age	2-0	4-2	>4	Total	2-0	4-2	>4	Total
Wells monitored	47	7	2	56	38	4	2	44
Area covered	43	22	2	67	28	3	2	33

FIG. 17



4.0 GROUND WATER QUALITY IN HARYANA STATE

Natural quality of ground water is dependent on geological characteristics and climatic conditions. It is further influenced and generally degraded by human activities. Indiscriminate extraction of groundwater for day to day uses, application of fertilizers in agriculture and unscientific disposal of industrial waste have great impact on ground water quality. The quality of ground water is normally ascertained through concentration values of number of physical, chemical and biological parameters present in it. Concentration of these parameters affects its acceptability and usefulness for domestic, agriculture, industrial and other purposes. It is, therefore, essential to know the chemical composition of ground water to determine its suitability for the intended use. Knowledge of quality of ground water not only helps in finding its suitability for various purposes, but it also helps in taking effective remedial measures for its improvement on scientific lines. In rural as well as in urban area of Haryana State, ground water is a major resource for drinking and other uses. Wherever surface water is inadequate or unavailable, ground water is exploited for drinking and irrigation purposes.

In the backdrop of various uses of ground water, its quality is monitored annually by CGWB, NWR Chandigarh through dedicated ground water monitoring stations (GWMS) of dug wells and/or hand pumps of shallow depth.

4.1 Sampling and Analysis

351 water samples were collected in 1-liter capacity good quality polyethylene bottle from national ground water monitoring stations distributed over 20 districts of Haryana during May 2015. Recognizing the enormity and severity of the problem of contamination of ground water by Arsenic and Iron, water samples were also collected from ground water monitoring stations from all the districts of Haryana State for measurement of arsenic concentration under the quality-monitoring program. Therefore, samples were collected in two sets of 1 liter each and one of the sets of samples was acidified '*in situ*' with 1:1 HCl to bring the pH of the sample to below 2.

The water samples were analyzed for major cations (Ca, Mg, Na, K) and anions (CO_3 , HCO_3 , Cl, NO_3 , SO_4 , F, PO_4) in addition to pH, EC, SiO_2 and TH as CaCO_3 in the Regional Chemical Laboratory by following 'Standard analytical procedures' as given in APHA 2012. Results of chemical analysis of 334 No. water samples are placed in Annexure-V.

The acidified water samples were analyzed for total arsenic (As) and Iron. Arsenic (total) was estimated by atomic absorption using continuous hydride generation technique while Iron was determined by UV-VIS spectrophotometer. Analytical results of Arsenic and Iron are placed in Annexure VI.

Sampling points are mostly open dug wells and hand pumps, which are fully or at least are partially in use. Chemical analysis was carried out for major cations (Ca, Mg, Na, K) and anions (CO_3 , HCO_3 , Cl, SO_4 , NO_3 , F) in addition to pH, EC, PO_4 , SiO_2 , TH as CaCO_3 , in the Chemical Laboratory at Chandigarh. Standard analytical procedures as given in APHA 2012 were followed.

4.2 Composition of waters

Chemical analysis shows that ground water is slightly to moderate alkaline with pH ranging between 7.05 (Rasulpur, block Sadaura district Yamunanagar) and 9.15 pH units (Mangaiana, block Dabwali district Sirsa). EC (salinity) is found to vary widely with a minimum value of $238\mu\text{S/cm}$ at Mauzabad, block Pataudi, in district Gurgaon and a maximum value of $14640\mu\text{S/cm}$ at 25°C at Nagina in district Mewat.

Among anions, carbonate though generally absent in ground water samples is found in significant number of water samples and it varies from nil to 199 mg/l at Lahori, block Madlauda in district Panipat. Bicarbonate varies from 12 to 922 mg/l at Rukhi, block Gohana in Sonipat district, chloride varies from 7.0 mg/l at Barwasni in Sonipat district to 4930 mg/l at Nagina in Mewat district and sulphate varies from nil to 2833 mg/l at Rasalia Khera (Block Dabwali in Sirsa district). However, exceptionally high concentrations of 4028mg/l of sulphate are also encountered in Mewat district (Nagina). Nitrate, an indicator of domestic, irrigation and industrial contamination, is found at many locations. Its concentration in State varies from below detection limit to 1876mg/l at Dadri in Bhiwani district. Fluoride is found to be present in all the water samples and it varies from nil to 15.72 mg/l at Mohana in Sonipat district. In about 18.9% of the samples, it is found more than the drinking water limit of 1.5 mg/l F (BIS 2012). Phosphate has not been detected in most of the locations but the highest concentration of 2.78 mg/l has been observed in well water of Bhunderi in Sonapat district.

Among cations, calcium is found to vary from 2.1 mg/l (Rukhi in Sonipat district) to 601 mg/l at Nagina in Mewat district whereas magnesium generally varies from nil to 1216mg/l at Nagina in Mewat district. Sodium is found to range between 4.5 mg/l (Kalri Jagir, district

Karnal) and 2400 mg/l at Nagina in Mewat. Potassium in ground waters is normally below 10 mg/l and its higher concentration indicates contamination from point as well as non-point sources. In Haryana, potassium in shallow waters is found to range from traces to as high as 790 mg/l at Jhamaula in Jind district. Silica determined as SiO₂ varied from 8.4 to 41 mg/l. Hardness reported as CaCO₃ varies between 50 mg/at Mauzabad in Gurgaon district and 3603 mg/l at Gagiachajat in Rewari district, indicating wide variation. However, very hard water with concentration as high as of 6505 mg/l is also encountered at Nagina in Mewat district. The district-wise concentration range of various chemical constituents in ground water is given in Table 4.

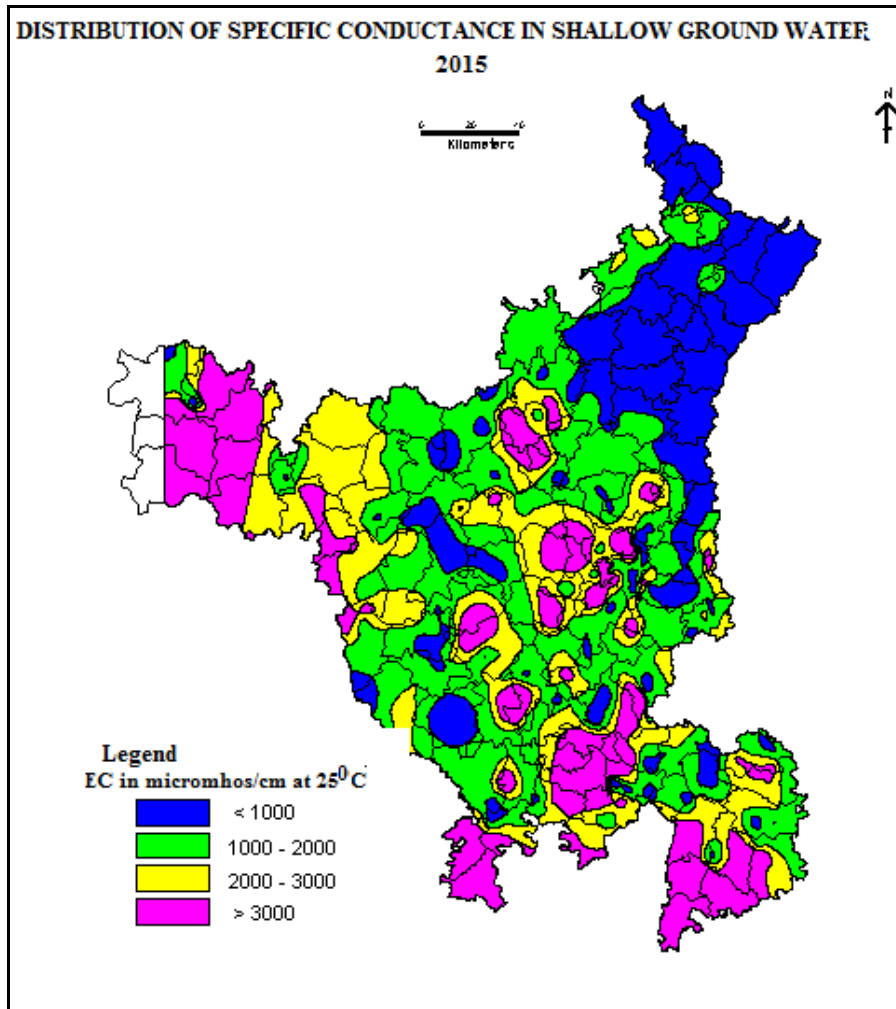
4.3 Distribution of Electrical Conductance (EC)

EC, a primary indicator of dissolved mineral content, varies from 250 µS/cm to 21960 µS/cm at 25°C. About 27.2% of the water samples have EC less than 750 µs/cm, 54.2% have EC between 750 and 3000 µs/cm and the remaining 18.6% of the samples have EC more than 3000µs/cm. Water with low EC (<750) are found mostly in Ambala, Gurgaon, Panchkula, Panipat, Karnal, Kaithal, Kurukshetra, Sonapat and Yamunanagar districts, water with intermediate EC (750-3000) are found mostly in all the districts and samples with high EC (>3000) are found scattered in Bhiwani, Faridabad, Gurgaon, Hissar, Jhajjar, Kaithal, Mahendergarh, Mewat, Palwal, Rewari, Rohtak, Sirsa and Sonapat districts (Fig 18). The reason for high salinity in ground water of these areas may be due to natural concentration of salts as there is more evapo-transpiration than precipitation (Semi-arid climatic conditions) and lack of drainage.

Table 4, District wise distribution of chemical constituents in groundwater of Haryana State (GWMS 2015)

Sr. No	District	No. of Samples	Conc Range	pH	EC in $\mu\text{S/cm}$ at 25°C	CO ₃	HCO ₃	Cl	SO ₄	NO ₃	F	PO ₄	Ca	Mg	Na	K	SiO ₂	TH as CaCO ₃
						(<-----mg/l----->)												
1	Ambala	10	Min	8.19	425	Nil	178	7	6.0	BDL	0.14	BDL	8.2	5.0	27	0.5	9.0	51
			Max	8.85	2997	117	672	347	418	250	0.93	0.71	114	77	390	280	30	480
2	Bhiwani	35	Min	7.67	381	Nil	93	14	52	BDL	0.17	BDL	8.0	5.0	17	0.5	8.4	60
			Max	9.09	7600	65	714	1404	1500	1876	12	0.27	595	372	1230	310	41	3017
3	Faridabad	6	Min	8.15	785	Nil	83	83	48	16	0.0	BDL	8.2	22	115	2.9	22	184
			Max	8.63	3495	82	535	646	385	125	0.92	0.04	65	99	542	154	27	521
4	Fatehabad	3	Min	8.11	774	Nil	93	76	28	11	1.37	0.03	19	68	31	6.8	13	326
			Max	8.72	3460	13	321	485	1275	414	2.74	0.05	158	147	461	43	25	1001
5	Gurgaon	17	Min	7.74	238	Nil	49	21	7.0	6.5	0.10	BDL	8.0	4.9	36	0.5	13	50
			Max	8.9	6910	97	444	2598	1044	328	4.26	0.11	241	292	1470	41	28	1802
6	Hissar	21	Min	7.84	299	Nil	82	14	48	BDL	0.19	BDL	8	19	10	1.8	9.5	140
			Max	9.01	4910	59	622	927	1440	609	4.04	0.19	137	246	965	410	26	1301
7	Jhajjar	20	Min	7.42	369	Nil	123	20	14	0.2	0.37	BDL	2.0	23	12	0.5	11	159
			Max	8.93	6970	66	685	2345	728	876	6.86	0.29	591	275	595	481	35	2610
8	Jind	16	Min	8.12	376	Nil	89	14	BDL	3.8	0.28	BDL	6.0	15	8.3	3.5	12	92
			Max	8.79	2785	111	452	823	400	107	10	BDL	218	145	430	790	27	1139
9	Kaithal	16	Min	8.3	642	Nil	149	17	7.2	2.0	0.27	BDL	8.2	2.5	43	4.5	17	113
			Max	8.88	5653	176	488	715	1400	1148	10	BDL	84	247	812	232	29	1087
10	Karnal	23	Min	8.25	340	Nil	89	6.9	BDL	BDL	0.15	BDL	8.18	BDL	4.50	2.10	15	51
			Max	8.95	1280	94	345	118	235	40	1.03	0.08	49	62	205	18	29	337
11	Kurukshetra	20	Min	8.18	435	Nil	155	6.9	BDL	BDL	0.20	BDL	16	7.4	25	3.4	17	92
			Max	8.98	1430	105	654	76	70	28	1.20	0.05	45	32	285	12	26	225
12	Mahendergarh	11	Min	7.96	414	Nil	192	14	30	1.09	0.21	BDL	10	5.0	45	0.6	10	55
			Max	8.76	4510	48	752	1276	684	693	14	1.60	204	108	800	82	39	691
13	Mewat	11	Min	7.58	626	Nil	114	68	7.0	20	0.28	BDL	16	29	72	1.5	13	170
			Max	8.66	14640	14	528	4930	4028	192	2.07	0.12	601	1216	2400	640	26	6505
13	Palwal	20	Min	7.8	595	Nil	95	63	62	0.58	0.21	BDL	4.1	10	62	4.4	16	71
			Max	8.72	4740	117	881	1007	662	75	2.10	0.06	164	176	640	285	31	1082
14	Panchkula	18	Min	7.8	265	Nil	24	6.9	BDL	3.6	0.00	BDL	12	2.5	16	0.9	15	93
			Max	8.95	2500	59	512	361	205	305	0.72	0.05	103	113	325	4.2	26	722
15	Panipat	12	Min	8.3	504	Nil	119	10	45	BDL	0.16	BDL	12	2.0	34	2.3	13	51
			Max	8.79	3940	199	666	570	1050	138	2.23	0.43	66	217	579	137	23	1057
16	Rewari	7	Min	7.74	770	Nil	85	102	23	20	0.20	BDL	20	19	109	1.4	13	140
			Max	8.9	9470	120	757	3811	650	700	1.85	0.08	480	584	1410	60	23	3603
17	Rohtak	14	Min	7.85	640	Nil	152	51	40	0.20	0.05	BDL	18	22	23	0.4	9.0	158
			Max	8.85	4890	68	750	1043	1514	669	4.14	0.30	111	306	625	723	38	1446
18	Sirsa	11	Min	7.63	270	Nil	53	6.9	35	0.10	0.29	BDL	20	13	10	3.2	9.0	129
			Max	9.15	7210	77	499	1389	2833	115	4.52	0.16	253	308	1660	26	17	1486
19	Sonapat	30	Min	7.94	277	Nil	71	7.0	10	BDL	0.00	BDL	2.10	11	6.1	2.1	11	113
			Max	8.62	9037	111	922	1974	2300	95	16	2.78	129	344	1675	480	30	1611
20	Yamunanagar	13	Min	7.05	300	Nil	12	6.9	BDL	BDL	0.14	BDL	18	5.0	22	0.8	11	107
			Max	8.88	1177	82	286	132	129	135	0.54	0.01	78	35	205	25	25	265
Total		334	Min	7.05	238	Nil	12	6.9	BDL	BDL	0.00	BDL	2.0	BDL	4.5	0.4	8.4	50
			Max	9.15	14640	199	922	4930	4028	1876	15.72	2.78	601	1216	2400	790	41	6505

Fig 18

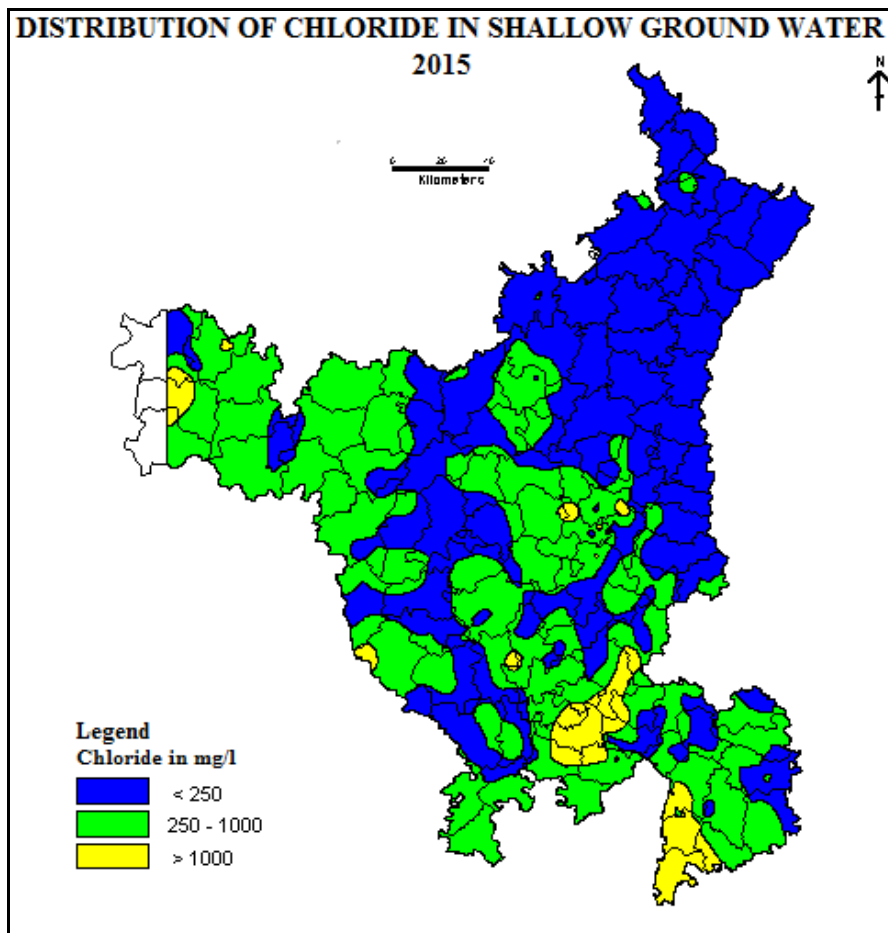


4.4 Distribution of Chloride

The distribution of chloride in ground water follows the distribution pattern of EC and it ranges from 7.0 mg/l at Barwasni in Sonipat district to 4930 mg/l at Nagina in Mewat district. Chloride above 400 mg/l, in drinking water, may give salty taste to consumers. Bureau of Indian Standards (BIS 2012) has assigned a desirable concentration of 250 mg/l chlorides in drinking water. This limit can be extended to 1000 mg/l in case no other source with desirable chloride concentration is available. Out of 334 samples analyzed, 64.1% have chloride below desirable limit (250mg/l), 29.3% have between desirable and permissible level (250-1000 mg/l) and the remaining 6.6% of samples have chloride more than the permissible limit of 1000 mg/l. Spatial distribution of chloride in ground water indicates that few sites at Bhiwani, Gurgaon, Hissar, Jhajjar, Mahendergarh, Mewat, Palwal, Rewari, Rohtak, Sirsa and Sonapat districts (Fig 19) have chloride concentration

above 1000 mg/l. High concentration of chloride is mostly observed in samples having high sodium content indicating highly saline nature of these shallow ground waters.

Fig 19

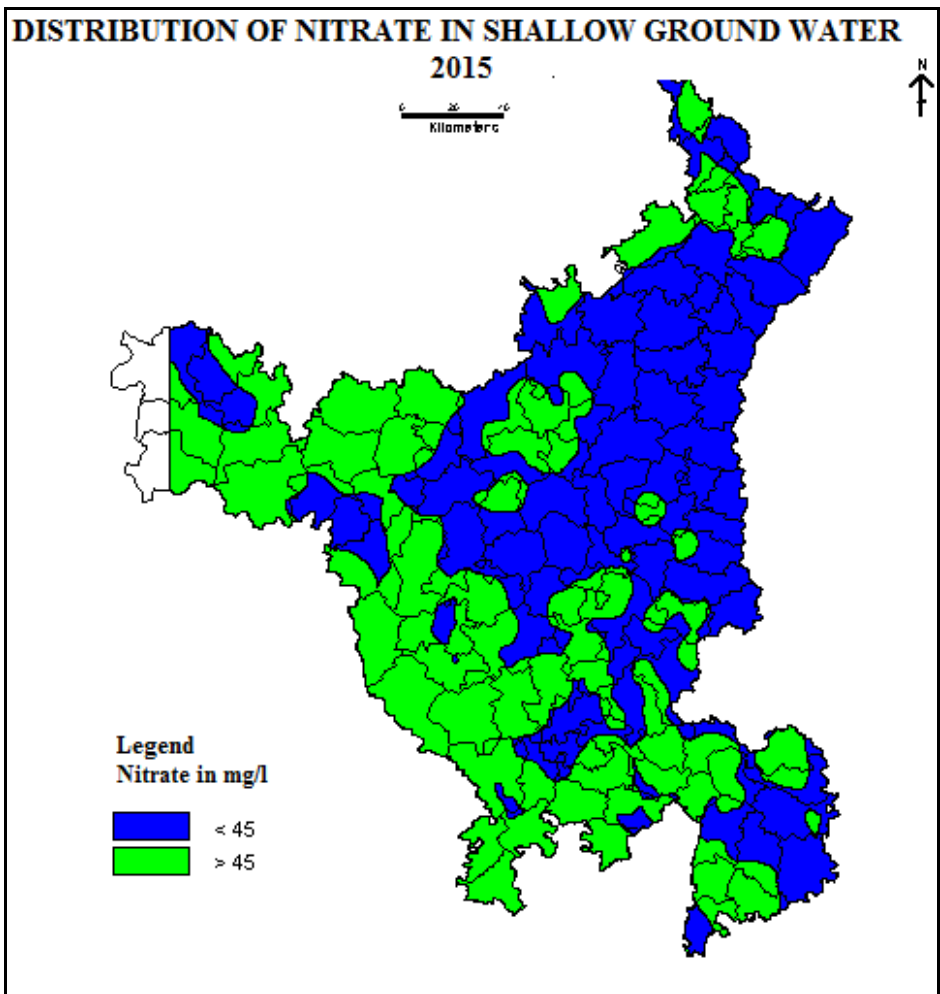


4.5 Distribution of Nitrate

Presence of nitrate above 5.0 mg/l in ground water reflects contamination at some stage of its percolation and circulation. The probable major sources of nitrate content in ground water are excessive application of fertilizers, bacterial nitrification of organic nitrogen, seepage from animal and human wastes and atmospheric inputs. Its concentration in State varies from below detection limit to 876 at Duledhan in district Jhajjar. Exceptionally high concentration of are encountered at Sui(998mg/l) district Bhiwani, Matur(1148 mg/l), district Kaithal and Dadri(1876 mg/l), district Bhiwani. Spatial distribution of nitrate indicates that nitrate is less than 45 mg/l in majority of the areas (Fig 20). Out of 334 samples analyzed, 71.3% of the samples have nitrate within BIS limit of

45 mg/l for drinking waters and 28.8% have nitrate more than 45 mg/l. Out of these 28.8% samples, 50% of samples, mostly from districts of Ambala, Bhiwani, Faridabad, Fatehabad, Gurgaon, Jhajjar, Jind, Kaithal, Mahendergarh, Mewat, Panchkula, Panipat, Rewari, Rohtak, Sirsa and Yamunanagar districts have nitrate contents even more than 100mg/l.

Fig 20

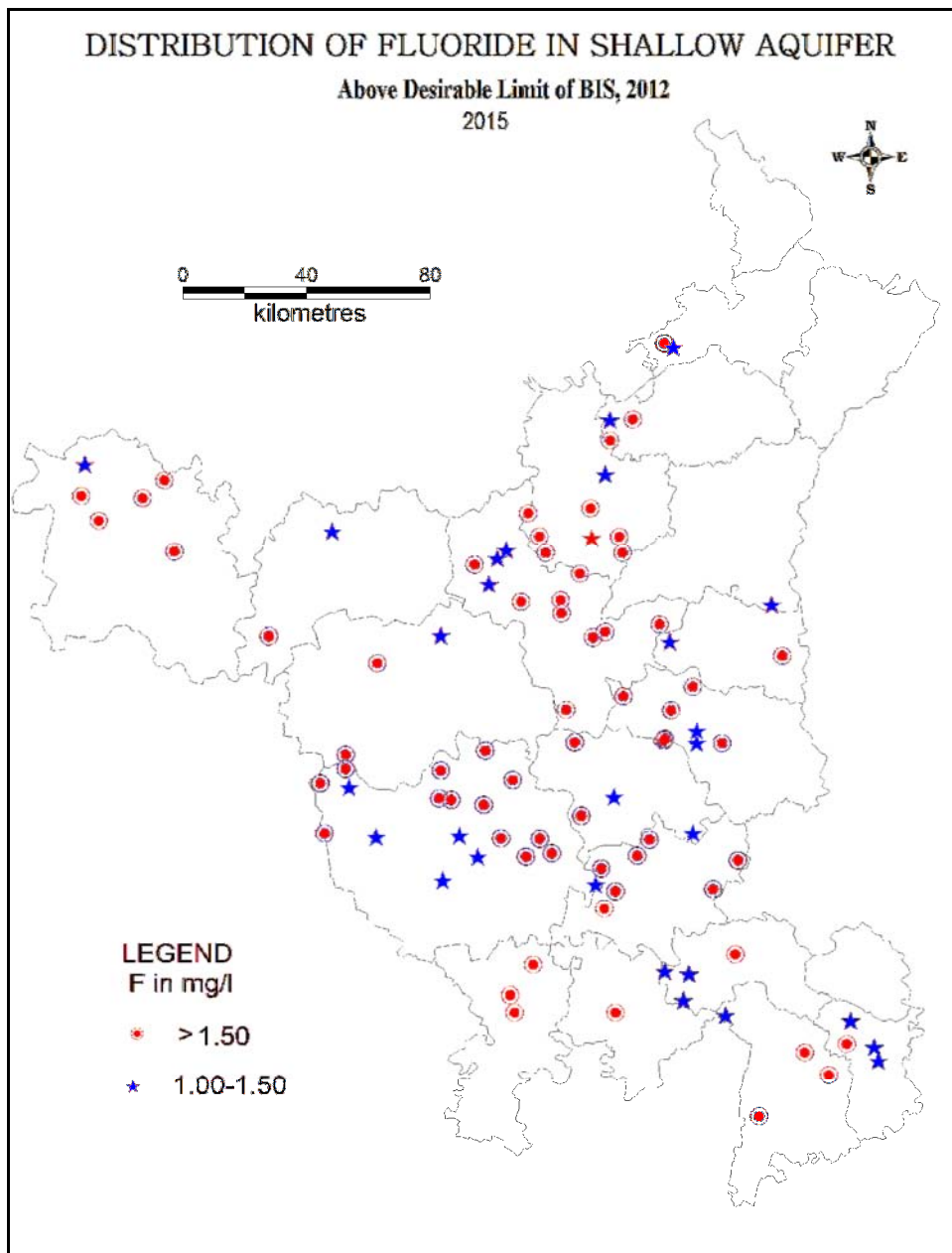


4.6 Distribution of Fluoride

Fluoride, in small amounts in drinking water, is beneficial in reducing dental decay but when present in large amounts, has deleterious effects ranging from staining of tooth enamel to skeletal fluorosis. The fluoride contents in ground water of the State ranges from below detection limit to 15.72 mg/l at Mohana in Sonipat district. Spatial distribution of fluoride indicates that fluoride is less than 1.5 mg/l in 72.5% samples. It is between 1.0 and 1.5 mg/l in 8.7% samples and is above 1.5 mg/l in the remaining 18.9% samples.

Ground waters with fluoride above 1.5 mg/l are found mostly in parts of Bhiwani, Fatehabd, Gurgaon, Hissar, Jhajjar, Jind, Kaithal, Mahendergarh, Mewat, Palwal, Panipat, Rewari, Rohtak, Sirsa and Sonapat districts (Fig 21) and are not suitable for drinking purpose. At many places, fluoride above 1.5 mg/l is observed in areas where agricultural activities are dominant. The likely causes for high fluoride in ground water are (i) leaching from phosphatic fertilizers where it is present as an impurity and (ii) depletion of calcium either due to precipitation or exchange phenomenon.

Fig 21



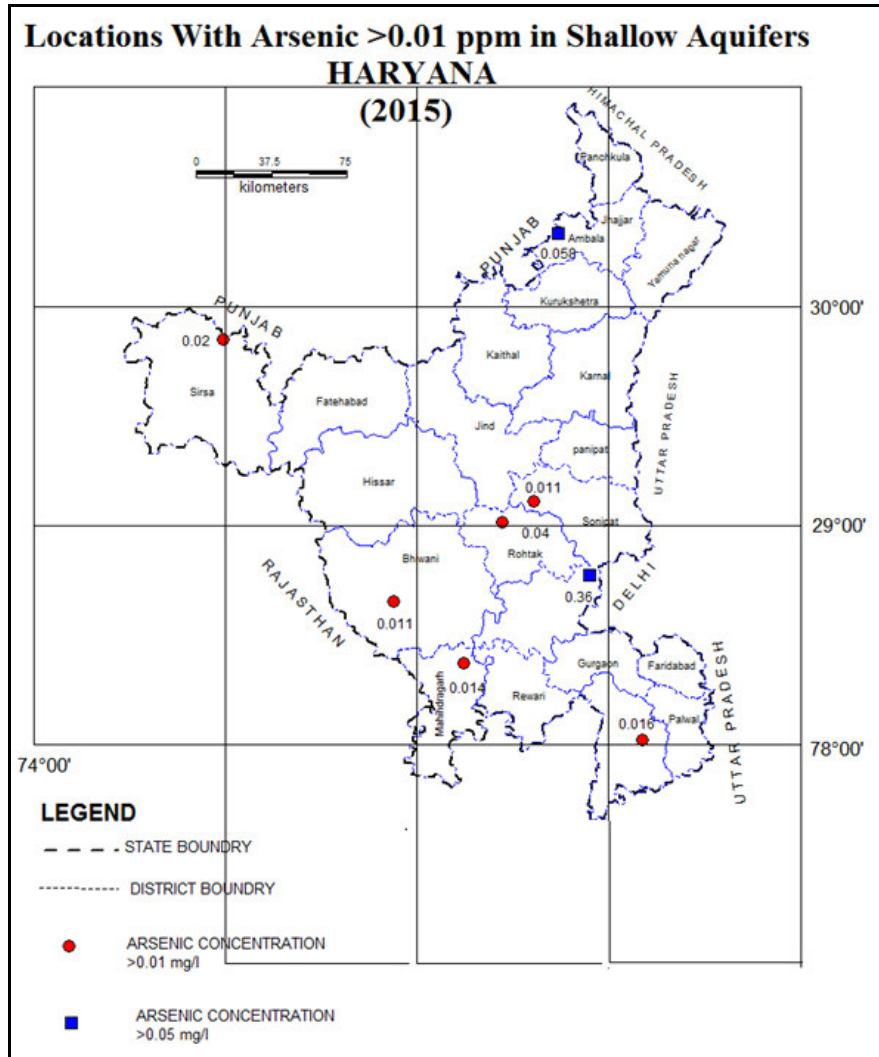
4.7 Trace Elements in Ground Water

Arsenic: During 2015, 354 No. water samples were collected from districts and the samples analysed in house. As per the analytical data generated, it is observed that isolated cases from five districts namely, Ambala, Bhiwani, Mahendergarh, Jhajjar, Palwal and Sirsa have Arsenic concentration more than the desirable limit of >0.01mg/l. The locations with arsenic concentration >0.01 mg/l alongwith block details, well depth, water level during May 2015 and coordinates are tabulated (Table 5) and placed on map of Haryana (Fig 22).

Table 5 : Ground Water Monitoring Stations with Arsenic concentration above 0.01 mg/l (2015)

S.No.	District	Block	Location	Well Depth	Water Level	Aquifer	As
				in mt	mbgl		>0.01 mg/l
1	Ambala	Ambala	Balana	19.65	1.95	Alluvium	0.058
2	Bhiwani	Tosham	Laxmanpura	21.50	9.51	Alluvium	0.011
3	Jhajjar	Bahadurgarh	Kulashi	5.60	0.62	Alluvium	0.36
4	Mahendergarh	Mahendergarh	Kheri Talwana	26.60	17.2	Residual Hills Quartzite	0.014
5	Palwal	Hathin	Lakhnacka	25.00	8.08	Residual Hills Quartzite	0.016
6	Rohtak	Maham	Nidana	19.00	4.55	Alluvium	0.04
7	Sirsa	Odhan	Kalanwali Mandi		7.4	Alluvium	0.02
8	Sonipat	Gohana	Bhanderi	5.90	2.72	Alluvium	0.011

Fig 22

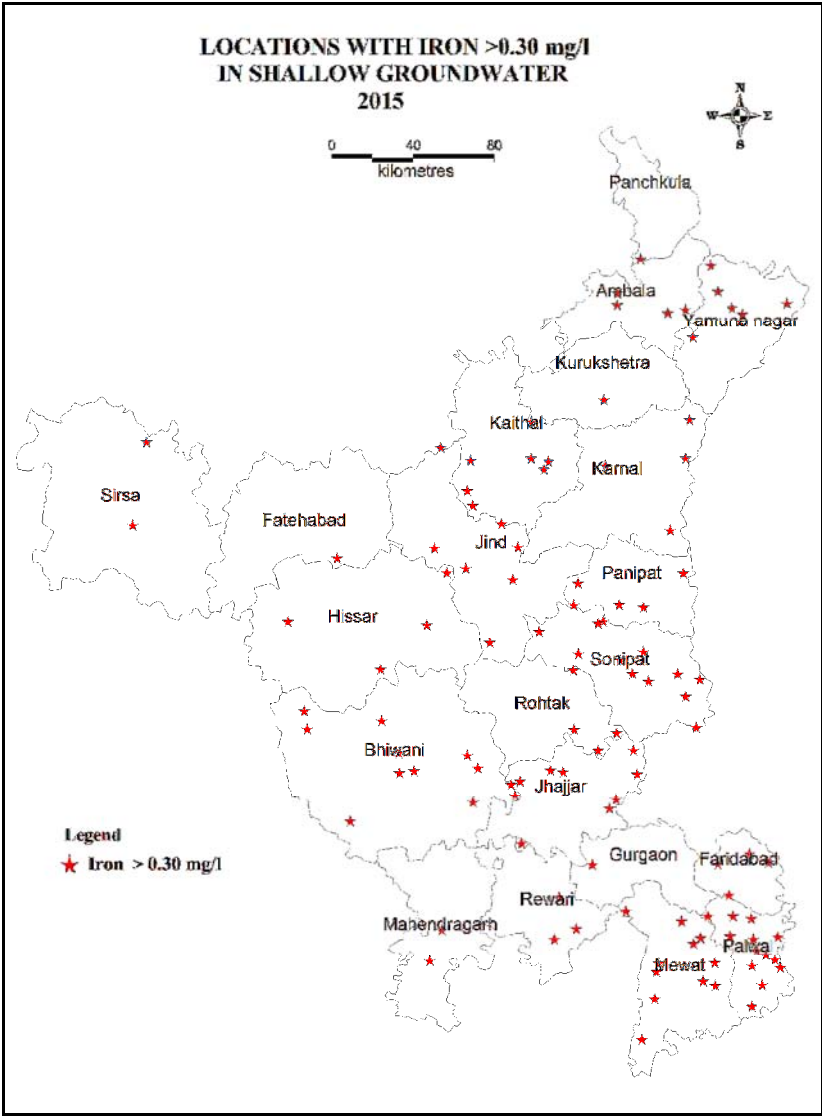


Iron: The concentration of iron (total) in ground water of the study area ranges from below detection limit to 11.638 mg/l at Bhopani village, block Faridabad in Faridabad district. The point values of locations with Iron above BIS permissible limit of 0.30 mg/l for drinking water are depicted in Fig 23 and its observed that 32.5% samples have iron concentration exceeding this limit. The high iron concentration in untreated ground water gives it a metallic taste.

Iron is an essential nutrient for man, animal, and plants. It is found in both the ferrous (Fe^{2+}) and ferric (Fe^{3+}) state. Under reducing conditions in water, the mobile ferrous ion is present but upon exposure to air, it is oxidized to the less mobile form and gets

precipitated as the ferric ion. In water, such iron precipitates produce reddish brown stains on porcelain, enamel, plumbing, and clothing. The solubility of iron increases with decreasing pH. Iron bacteria are often associated with foul taste and odour, causes encrustation in pipes and leads to 'red rot' disease. Iron may be present in natural sources in igneous rocks, amphiboles, ferro manganate soils and in combined form i.e. as iron sulphide, iron sulphite, magnetite, iron oxide etc. It may be constituent of sandstone rocks, oxides, carbonates, sulphides or iron clay minerals but these are absent in study area. Anthropogenically, industrial wastes, the burning of coke and coal, acid mine drainage, mineral processing and corrosion of iron and steel may contribute iron to environment.

Fig 23



4.8 Types of Groundwater

Considering the predominance of the cation and anion in the chemical composition of ground water, its type is determined and its relation with its occurrence in an area as well as with its salinity is studied. It is found that no discernible relationship between type of water and its occurrence in any particular area could be established. Nearly all types of waters are available in each district of the State. However, study of relation of water type with salinity of the water clearly indicates that nearly 27% ground waters of the State are fresh, have low salinity and predominance of calcium or magnesium or calcium + magnesium cations and bicarbonate as anion. Ground waters having intermediate salinity are mostly mixed cation type - HCO_3 type. At some places HCO_3 -type of waters with sodium as dominant cation are also encountered in low to moderately saline ground waters. This can be attributed either to precipitation of CaCO_3 due to loss of CO_2 or dissolution of Na-salts from the topsoil layers or to ion exchange reaction during the downward percolation of water. At some isolated locations sulphate is found to be dominant anion. In ground waters, where salinity is high; mostly Na is the dominant cation and Cl or Cl + $\text{SO}_4 + \text{NO}_3$ (Mixed anion) are dominant. permanent hardness is observed at few locations in Hissar, Jhajjar and Bhiwani district depicted by dominance of Ca-Cl. Nevertheless, a few exceptions have also been found in these simple and well-defined types of ground waters.

4.9 Suitability for Drinking

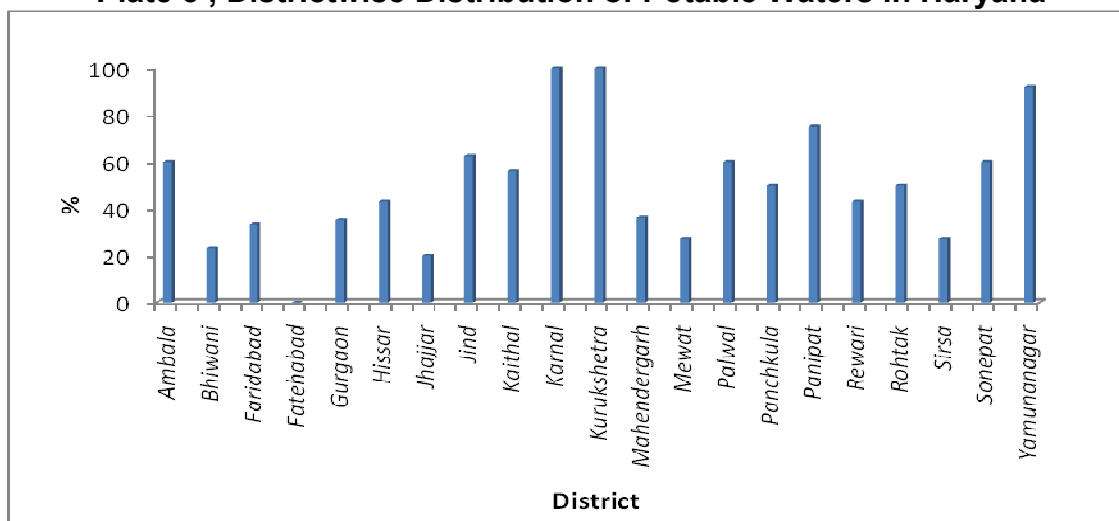
Salinity, nitrate, sulphate, fluoride, hardness and alkalinity are the parameters normally considered for evaluating the suitability of drinking water. BIS have assigned desirable and permissible concentration limits for these constituents. Based on BIS recommendations, ground water occurring in the northern and north-eastern areas of the State is suitable for drinking. However, ground water at several places in the southern and western parts of the State is not suitable for drinking either due to one or more constituent exceeding the maximum permissible limits. Waters falling under different classes of suitability for drinking uses are shown in Table 6 and district-wise distribution of potable waters based upon EC, Cl, NO_3 & F contents are shown as bar diagram in Plate 3.

Table 6, District wise distribution of Ground waters of Haryana State in different classes of drinking water suitability

S.	District	No. of Sample	EC in 25°C in µS/cm			Cl in mg/l			F in mg/l			NO ₃ in mg/l		
			<750	750-3000	>3000	<250	250-1000	>1000	<1.0	1.0-1.5	>1.5	<45	45-100	>100
1	Ambala	10	4	6	0	9	1	0	10	0	0	6	2	2
2	Bhiwani	35	5	24	6	19	14	2	17	6	12	16	5	14
3	Faridabad	6	0	3	3	2	4	0	6	0	0	3	2	1
4	Fatehabad	3	0	2	1	1	2	0	0	1	2	2	0	1
5	Gurgaon	17	5	9	3	8	6	3	13	3	1	8	4	5
6	Hissar	21	2	13	6	12	9	0	12	3	6	13	4	4
7	Jhajjar	20	2	13	5	9	9	2	13	0	7	12	5	3
8	Jind	16	3	13	0	11	5	0	9	2	5	14	1	1
9	Kaithal	16	1	10	5	8	8	0	10	1	5	10	1	5
10	Karnal	23	13	10	0	23	0	0	22	1	0	23	0	0
11	Kurukshetra	20	14	6	0	20		0	19	1	0	20	0	0
12	Mahendergarh	11	1	7	3	7	3	1	8	0	3	7	2	2
13	Mewat	11	2	4	5	3	4	4	9	1	1	5	4	2
13	Palwal	20	1	14	5	9	10	1	13	4	3	18	2	0
14	Panchkula	18	12	6	0	17	1	0	18	0	0	12	4	2
15	Panipat	12	5	6	1	10	2	0	10	1	1	11	0	1
16	Rewari	7	0	4	3	2	2	3	6	0	1	3	3	1
17	Rohtak	14	1	8	5	8	5	1	8	2	4	11	1	2
18	Sirsa	11	2	5	4	6	3	2	4	1	6	6	4	1
19	Sonepat	30	9	14	7	17	10	3	22	2	6	26	4	0
20	Yamunanagar	13	9	4	0	13	0	0	13	0	0	12	0	1
	Haryana	334	91	181	62	214	98	22	242	29	63	238	48	48

On perusal of Bar diagram, it is observed that ground water occurring in the districts of Ambala, Jind, Kaithal, Karnal, Kurukshetra, Palwal, Panipat, Panchkula, Rohtak, Sonapat and Yamunanagar are mostly suitable for drinking as more than 50% water samples are having all the above quality parameters within the permissible limits. In the districts of Faridabad, Gurgaon Hissar, Gurgaon, Mahendergarh, and Rewari, 30-50% water samples are having potable quality as per BIS 2012 standards. Ground water is mostly unsuitable for drinking due to one or more of these constituents exceeding the maximum permissible limits Bhiwani, Fatehabad, Jhajjar, Mewat and Sirsa as these districts have less than 30% ground waters having chemical parameters within the permissible limits.

Plate 3 , Districtwise Distribution of Potable Waters in Haryana



4.10 Suitability for Irrigation

The suitability of ground water for irrigation is assessed based on EC, SAR and RSC values of waters. The diagram, suggested by USSL staff by taking EC and SAR into consideration is widely used for determining the irrigational classes of water. Salinity in terms of EC varies widely from 238 $\mu\text{S}/\text{cm}$ to 14640 in $\mu\text{S}/\text{cm}$ at 25⁰C while SAR values range from 0.14(Kalri Jagir, district Karnal) to 33.61 (Rukhi, district Sonipat). Based on EC and SAR values, plot of USSL diagram indicates that about 75% of the samples fall under C2S1, C2S2, C3S1, C3S2, C4S1, and C4S2 classes of irrigation water. Continuous use of such waters may lead to low to vary high salinity hazards, while they may not cause sodium hazards because of low SAR. The remaining 25% of water samples having C3S3, C3S4, C4S3, C4S4, and classes may lead to salinity as well as sodium hazards when used for irrigation under normal practices. However, these waters can be used for irrigation along with an appropriate quantity of gypsum.

The ground waters in the districts of Ambala, Fatehabad, Kaithal, Karnal, Kurukshetra, Panchkula, Panipat, Rohtak and Yamunanagar are mostly of C1, C2, C3 salinity and S1-S2 sodicity classes. Such waters can be used for irrigation on soils with good permeability for growing salt tolerant or semi salt tolerant crops. Addition of small quantity of gypsum may improve the permeability of the soil and avoid the sodium hazards. Ground waters from southern and western part of Haryana comprising of districts of Bhiwani, Faridabad, Gurgaon, Hissar, Jhajjar, Jind, Mahendergarh, Mewat, Rewari, Sirsa, and Sonapat fall under C4S1, C4S2, C3S3, C3S3, C4S2, C4S3 and C4S4 classes. Use

of such waters for irrigation under normal conditions may lead to both high to very high salinity as well as sodium hazards.

Table 7, District wise Irrigation Rating of Well Waters of Haryana.

S.	District	IRRIGATION SUITABILITY			
		EATON's INDEX (RSC in meq/l)			USSL Classification
		Safe	Marginal	Unsafe	
		<1.25	1.25-2.5	>2.5	
1	Ambala	3	1	6	C2S1, C3S2, C3S3, C4S3
2	Bhiwani	27	1	7	C2S1, C3S1, C3S2, C3S3, C3S4, C4S1, C4S3, C4S4
3	Faridabad	5	0	1	C2S1, C3S1, C3S2, C3S3, C3S4, C4S1, C4S2, C4S3
4	Fatehabad	3	0	0	C3S1, C4S2
5	Gurgaon	12	0	5	C1S1, C2S1, C2S2, C2S3, C4S1, C4S2, C4S3, C4S4
6	Hissar	21	0	0	C1S1, C2S1, C3S1, C3S2, C4S2, C4S4
7	Jhajjar	13	4	3	C2S1, C2S2, C2S3, C4S1, C4S2, C4S3
8	Jind	9	0	7	C2S1, C3S1, C3S2, C3S3, C4S1
9	Kaithal	7	3	6	C2S1, C3S1, C3S2, C4S2, C4S3, C4S4
10	Karnal	11	6	6	C2S1, C3S2, C3S3
11	Kurukshetra	8	6	6	C2S1, C3S1, C3S2
12	Mahendergarh	5	1	5	C2S1, C3S2, C3S3, C3S4, C4S4
13	Mewat	11	0	0	C2S1, C3S1, C4S1, C4S2, C4S3
14	Palwal	13	2	5	C2S2, C3S1, C3S2, C3S3, C4S1, C4S2, C4S4
15	Panchkula	13	1	4	C2S1, C3S1, C3S2, C3S3, C4S2, C4S4
16	Panipat	8	1	3	C2S1, C2S2, C3S1, C3S3, C4S2
17	Rewari	6	0	1	C3S1, C3S2, C4S3
18	Rohtak	12	1	1	C2S1, C3S1, C3S2, C4S2, C4S3
19	Sirsa	8	1	2	C2S1, C3S1, C3S2, C3S3, C4S3, C4S4
20	Sonepat	23	2	5	C2S1, C3S1, C3S2, C4S2, C4S3, C4S4
21	Yamunanagar	12	0	1	C2S1, C3S1, C3S2

Alkali hazards of irrigation ground waters are estimated through the computation of Residual sodium carbonate (RSC) also known as Eaton's Index. The values of RSC of ground waters are found to vary from below zero to 16.13 meq/l (Lahori, district Panipat). Based on Eaton's index, it is found that 69% of the waters are rated fit, 8.9% marginal and the remaining 22.1% unfit for irrigational use. The distribution of ground waters in various Eaton's index and irrigation rating based on USSL classification is given in Table 7.

4.11 Suitability for Industries

Industries, in general, use water for variety of works depending upon the nature and size of the industry. As such specifications for suitability of water for industries vary widely depending upon the process in each industry. Therefore, chemical quality of water and its suitability could not be discussed due to diversified nature of industries.

4.12 Temporal Variation

The temporal changes in ground water quality are studied by considering important parameters such as salinity (EC), chloride, nitrate and fluoride contents of waters. The percent well waters falling in desirable, permissible and unsuitable classes of BIS-2012 standards during 2015 are compared with percent well waters in same classes during 2011. Table 8 shows increase or decrease of percent well water falling in various suitability classes for drinking purposes.

Table 8, Periodic Variation in Suitability Classes of Well Waters of Haryana

Parameter	Class	% of Samples					Periodic Variation 2011-15
		2011 (n=359)	2012 (n= 331)	2013 (n=320)	2014 (n=358)	2015 (n=334)	
Salinity as EC (in $\mu\text{S}/\text{cm}$ at 25°C)	<750	30	29	37	25	27	-3
	750-3000	49	50	48	55	54	+5
	>3000	21	21	15	20	19	-2
Chloride as Cl (in mg/l)	<250	65	64	65	62	64	-1
	250 - 1000	29	28	29	31	29	0
	>1000	6	8	6	7	7	+1
Nitrate as NO_3 (in mg/l)	< 45	73	69	77	72	71	-2
	> 45	27	31	23	28	29	+2
Fluoride as F (in mg/l)	<1.0	69	62	70	70	72	+3
	1.0 - 1.50	15	15	12	9	9	-6
	>1.50	16	23	18	21	19	+3

n=number of samples

It is evident from the table above that there is a slight deterioration in the quality of ground water, based on the parameters considered, from 2011 to 2015, as indicated by increase in the percent samples having concentrations beyond permissible limits and decrease in percent samples having desirable quality. The ground water quality based on chloride, nitrate and fluoride content shows a deterioration as there is increase of nearly 1%, 2% and 3% respectively, of samples falling above the permissible level and subsequent decrease in % samples falling under suitable(desirable) class. There is a small improvement in groundwater water quality (2%) with respect to Salinity from 2011 to 2015.

On comparing the percent wells of 2014 and 2015 for potability and considering a change of $\pm 1\%$ as constant, it is observed that, in general, there is decrease in salinity, chloride, nitrate and Fluoride content. The cause of improvement of ground water quality may be related to factors like dilution due to rainfall/recharge.

4.13 Conclusion & Recommendations

From the discussion above, it can be concluded that in Haryana

1. Shallow ground water occurring in northern and northeastern parts is suitable for drinking as well as for irrigation.
 2. Shallow ground water occurring in central parts has intermediate quality and is permitted for drinking use in case there is no alternative source. However, it is suitable for irrigation on well-drained soil for salt tolerant crops such as wheat, maize, barley etc.
 3. Shallow ground water occurring in southern and western parts is not suitable for drinking as well as for customary irrigation. The reason for unsuitability for drinking uses is high concentrations of either salinity or nitrate or fluoride. The reason for rejection for irrigation uses is high salinity coupled with high SAR and RSC more than 2.5 meq/l. However, these waters can be used for irrigation in conjunction with surface water.
- Elevated Arsenic content in ground water is one of the most serious concerns as it affects large unconsolidated aquifers and the problem is compounded because the drinking water supply in the thickly populated parts is dependent on shallow aquifers which are found to be contaminated.
 - It is recommended that areas identified with unsuitable or marginally suitable water quality should be monitored on micro level to effectively delineate such areas and use suitable management measures.
 - In addition to various initiatives for preservation of quality of the water resources, following recommendations are made for containment of arsenic contamination of ground water:
 - Elevated Arsenic content in ground water is one of the most serious concerns as it affects large unconsolidated aquifers and the problem is compounded because the

drinking water supply in the thickly populated parts is dependent on shallow aquifers which are found to be contaminated.

- It is recommended that areas identified with unsuitable or marginally suitable water quality should be monitored on micro level to effectively delineate such areas and use suitable management measures.
- In addition to various initiatives for preservation of quality of the water resources, following recommendations are made for containment of arsenic contamination of ground water:
 - The arsenic affected wells should be clearly demarcated and not used for drinking purposes if it is not possible to seal.
 - Tapping of Arsenic safe alternate aquifers: this technique advocates to tap safe alternate aquifers right within the affected areas. In most of the cases, shallow aquifers are contaminated by Arsenic as seen in the CGWB study. Accordingly wells should be constructed with proper sealing to tap deeper Arsenic free aquifers.
 - The remedial measures includes variety of options, ranging from removing arsenic from ground water after it is extracted, searching alternative aquifers, reducing the level within the aquifer itself, dilution of the contaminants by artificial recharge, blending with potable water etc.
 - A number of techniques can be used for removal of arsenic in the ground water. The options of first choice should be mitigation or to provide alternative sources of safe water. It is suggested that each individual technique should be applied in each of the pockets on pilot basis. Dedicated monitoring mechanism should be established to know the effectiveness of the technique so as to arrive at the best method suitable for the entire area.

ANNEXURE-I						
S. NO.	District	Location	DEPTH TO WATER LEVEL m(bgl)			
			May-15	Aug-15	Nov-15	Jan-16
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1.	Ambala	Ambala Cantt	2.25		1.78	
2.	Ambala	Ambala Cantt-Pz	5.51		3.50	
3.	Ambala	Ambala City-DW	1.09		0.99	
4.	Ambala	Balana			1.40	
5.	Ambala	Barara S	5.30		4.90	
6.	Ambala	Barara-Pz	20.17		19.15	
7.	Ambala	Bari Bassi-DW			9.75	
8.	Ambala	Bhuragnpur-DW	4.58		4.08	
9.	Ambala	Bhurewala-Pz	8.97		7.70	
10.	Ambala	Bichali Dhamouli-Pz	7.75		7.15	
11.	Ambala	Binjal Pur-DW			5.52	
12.	Ambala	Boh-DW			1.91	
13.	Ambala	Budhha Khera-DW			6.78	
14.	Ambala	Bullana- DW			0.70	
15.	Ambala	Chhapra-DW			7.00	
16.	Ambala	Churmastpur-DW	8.21		4.29	
17.	Ambala	Dhanaura	5.62	4.20	3.24	3.75
18.	Ambala	Dukheri-DW			2.60	
19.	Ambala	Hasanpur-DW			6.01	
20.	Ambala	Jansui-DW			1.32	
21.	Ambala	Jauli-DW	20.15		18.40	
22.	Ambala	Kakkar Majra-DW			10.70	
23.	Ambala	Kakru	1.96	1.49	1.32	1.90
24.	Ambala	Kalumazra-DW			2.35	
25.	Ambala	Kapoori At Saphera-PZ			11.20	
26.	Ambala	Khanahmadpur	3.80	0.84	2.83	1.10
27.	Ambala	Khanna Majra			1.60	
28.	Ambala	Mohra-DW	3.60		1.75	
29.	Ambala	Mulana	2.94		2.12	
30.	Ambala	Nanhera-DW			17.57	
31.	Ambala	Naraingarh	11.31		12.02	
32.	Ambala	Naraingarh-Pz	9.45		21.68	
33.	Ambala	Nasirpur-Pz	1.20		1.10	
34.	Ambala	Nikuwana-DW	17.89		18.40	
35.	Ambala	Panjokhra	5.24	4.13	4.51	3.93
36.	Ambala	Patvi			13.35	

37.	Ambala	Pinjola	5.45	4.19	4.19	4.69
38.	Ambala	Saha-Pz	35.69		35.67	
39.	Ambala	Salehpur-DW			2.99	
40.	Ambala	Shahpur-DW	10.67		8.72	
41.	Ambala	Shahzadpur	3.91		3.21	
42.	Ambala	Shahzadpur-Pz	3.55		2.47	
43.	Ambala	Sohana-DW			3.97	
44.	Ambala	Tandwal-DW			3.80	
45.	Ambala	Tejan-DW	4.48		3.33	
46.	Ambala	Tharwa-DW			2.60	
47.	Ambala	Ugala S	34.30		34.20	
48.	Bhiwani	Adampur	14.47		12.50	
49.	Bhiwani	Alak Pura-DW	3.62		3.03	
50.	Bhiwani	Alampur-DW	9.80		9.30	
51.	Bhiwani	Badala	3.42		3.43	
52.	Bhiwani	Bajina	12.62	12.02	12.55	12.68
53.	Bhiwani	Bamla	6.66		6.78	6.88
54.	Bhiwani	Baundkalan	2.92	1.51	2.24	2.28
55.	Bhiwani	Bhawani khera DW	8.90		5.86	
56.	Bhiwani	Bhawani Khera Pz	6.40		5.60	
57.	Bhiwani	Bhiwani	1.98		2.80	
58.	Bhiwani	Bohal	6.50	4.15	5.58	5.65
59.	Bhiwani	Chirya	15.46	14.71	15.45	16.71
60.	Bhiwani	Dadri	5.15		4.60	
61.	Bhiwani	Dadri-Pz	2.42		1.95	
62.	Bhiwani	Dhanana	1.10		0.77	0.84
63.	Bhiwani	Gopi	58.20		58.17	
64.	Bhiwani	Gurera	15.44	15.98	16.16	15.96
65.	Bhiwani	Gurera-pz	14.95		14.97	
66.	Bhiwani	Haluwas	4.15		3.73	3.91
67.	Bhiwani	Hetampur			11.41	
68.	Bhiwani	Imlota	2.59		1.71	
69.	Bhiwani	Isharwal	18.62		18.44	
70.	Bhiwani	Jhumpa	26.44	26.49	26.17	
71.	Bhiwani	Jhumpa Kalan	28.42		26.34	26.69
72.	Bhiwani	Jitwanwas-DW	9.02		8.80	
73.	Bhiwani	Juikalan	29.27		29.86	
74.	Bhiwani	Juikalan Pz	29.27			
75.	Bhiwani	Kairu-Pz	13.97			
76.	Bhiwani	Kalali-DW			22.74	

77.	Bhiwani	Kaloud PZM	24.35			
78.	Bhiwani	Kasni kalan	45.62		45.70	
79.	Bhiwani	Lachhmanpur	9.51		9.70	
80.	Bhiwani	Lohani	8.61	8.65	11.92	8.89
81.	Bhiwani	Manhairu	5.55		5.54	
82.	Bhiwani	Mehra-DW			18.34	
83.	Bhiwani	Mehrana	12.26		12.45	
84.	Bhiwani	Miran	1.60		1.67	
85.	Bhiwani	Miran abd				11.63
86.	Bhiwani	Miran-Pz	4.28		3.83	
87.	Bhiwani	Nayaatela	23.76	24.11	25.05	
88.	Bhiwani	Paju			81.60	
89.	Bhiwani	Pataudi Khurd			40.94	
90.	Bhiwani	Pehladgarh-DW	5.25		5.13	
91.	Bhiwani	Riwasa-DW	1.50		2.60	
92.	Bhiwani	Runhat-DW	3.97		3.82	
93.	Bhiwani	Sagban			3.89	
94.	Bhiwani	Sangwan PZM	5.04			
95.	Bhiwani	Sanwar	4.84		5.02	
96.	Bhiwani	Singhani-pz	73.77		74.62	
97.	Bhiwani	Sirsa-DW	7.00		7.05	
98.	Bhiwani	Siwani	13.61	12.55	13.20	13.30
99.	Bhiwani	Sui	3.25	3.50	3.76	2.75
100.	Bhiwani	Sungarpur	12.31		12.23	
101.	Bhiwani	Tigrana-DW	3.26		3.20	
102.	Bhiwani	Tosham	5.09		4.60	4.70
103.	Bhiwani	Tosham-Pz	7.03		6.26	
104.	Bhiwani	Unn-DW	3.70		2.60	
105.	Faridabad	Achheja	7.86			
106.	Faridabad	Badraun	7.77		6.15	
107.	Faridabad	Baghaura	2.02		1.66	
108.	Faridabad	Ballabgarh	29.74		28.31	28.15
109.	Faridabad	Bamnikhera	9.57		9.55	9.65
110.	Faridabad	Banchari-DW	7.30		7.36	
111.	Faridabad	Barauli-Pz	10.09		11.00	
112.	Faridabad	Bazida Pahar-DW	5.75		5.82	
113.	Faridabad	Bhiduki-DW	5.65		5.70	
114.	Faridabad	Bhopani	20.07		15.94	19.92
115.	Faridabad	Bibipur-DW	3.25		3.35	
116.	Faridabad	Chhainsa	15.00			

117.	Faridabad	Dighaut	9.34		11.64	10.95
118.	Faridabad	Gulawad-DW	10.10		10.06	
119.	Faridabad	Hasan pur	19.00		18.68	
120.	Faridabad	Hathin	9.05		9.12	9.28
121.	Faridabad	Hodel	11.40		11.62	11.70
122.	Faridabad	Jawan- Pz	17.52			
123.	Faridabad	Khambi	3.31		3.06	
124.	Faridabad	Kheri Jamalpur-DW	9.60			
125.	Faridabad	Kot			9.18	
126.	Faridabad	Lakhnaka	8.08		10.62	
127.	Faridabad	Lalwa	6.84		6.97	
128.	Faridabad	Mandkola	1.02		1.13	
129.	Faridabad	Manjhawali-DW	11.50			
130.	Faridabad	Nangal Jat-DW	9.45		9.40	
131.	Faridabad	Pali2	25.06		28.65	16.65
132.	Faridabad	Palwal	7.63		6.42	6.95
133.	Faridabad	Palwal-Pz	10.92			
134.	Faridabad	Pehladpur-Pz	6.75		6.42	
135.	Faridabad	Pelak-Pz	20.15		20.22	
136.	Faridabad	Phulwari-DW	9.85		9.95	
137.	Faridabad	Pirgarhi- Pz	9.69		9.52	
138.	Faridabad	Rasul Pur	6.78		6.69	7.44
139.	Faridabad	Sanped-DW	10.10			
140.	Faridabad	Sarai-DW	9.70		9.78	
141.	Faridabad	Sikri1	6.10			5.60
142.	Faridabad	Tumsara	9.58		9.33	5.40
143.	Fatehabad	Location	May-15	Aug-15	Nov-15	Jan-16
144.	Fatehabad	Aharwan S	48.91			46.00
145.	Fatehabad	Badopal	2.00	2.17	1.05	1.15
146.	Fatehabad	Bhattukalan	1.73		1.90	
147.	Fatehabad	Bhattukalan1				
148.	Fatehabad	Bhattukalan-Pz				
149.	Fatehabad	Bhodiakhera	7.50		7.25	
150.	Fatehabad	Bhuna	16.10		16.40	
151.	Fatehabad	Chindhar-DW	3.15		4.60	
152.	Fatehabad	Dayar1	4.88		6.00	6.30
153.	Fatehabad	Dhangar-DW	9.10			
154.	Fatehabad	Dhingsara	9.15		9.20	9.45
155.	Fatehabad	Gorakhpur-DW	2.83			2.43
156.	Fatehabad	Hukmawali-Pz	19.20		21.34	21.50

157.	Fatehabad	Jandli Kalan	4.71		4.84	7.62
158.	Fatehabad	Kajal Heri-DW	2.60		2.70	2.55
159.	Fatehabad	Kanhari-Pz	18.90		19.14	18.19
160.	Fatehabad	Khara Kheri-DW	2.25		1.75	
161.	Fatehabad	Machiwali-DW	4.35		6.10	6.10
162.	Fatehabad	Mehu Wala Pz	4.10		3.72	5.72
163.	Fatehabad	Munshiwali-Pz	49.65		21.20	
164.	Fatehabad	Nagpur- Pz	21.55		25.00	24.80
165.	Fatehabad	Nahla	7.61	6.26	8.27	7.05
166.	Fatehabad	Nangla-DW	9.20		8.42	7.47
167.	Fatehabad	Nikuwana-Pz	38.85		37.20	37.16
168.	Fatehabad	Pilimudari	5.48		5.80	5.87
169.	Fatehabad	Ratia -Pz	44.25		45.45	45.90
170.	Fatehabad	Ratta Khera-Pz	34.15		33.35	34.10
171.	Fatehabad	Sadalpur	7.23		6.33	6.98
172.	Fatehabad	Samain	2.64		2.79	6.48
173.	Fatehabad	Shekhpur Daroli-DW	5.48		5.50	5.92
174.	Fatehabad	Tohana	18.40	18.58	18.86	16.35
175.	Gurgaon	Agaon-Pz	11.65			
176.	Gurgaon	Akaira	5.96		5.80	5.10
177.	Gurgaon	Akbarpur	0.91			
178.	Gurgaon	Aminabad-DW	3.00		3.05	
179.	Gurgaon	Badsahapur Ew	24.80		24.92	
180.	Gurgaon	Bandhwari	20.10		20.15	20.45
181.	Gurgaon	Basonda Tripati-Pz	24.80		26.10	
182.	Gurgaon	Bhadas-DW	5.80		5.60	
183.	Gurgaon	Bhondsi Ew	25.00		28.02	
184.	Gurgaon	Bhora Kalan-Pz	38.05		39.80	
185.	Gurgaon	Bilaspur-Pz	25.10		25.05	
186.	Gurgaon	Budehra-DW	8.75		8.90	
187.	Gurgaon	Chandu Tikly	10.07		9.65	11.23
188.	Gurgaon	Daultabad-Pz	10.55			
189.	Gurgaon	Farrukh Nagar-Pz	21.10		21.05	
190.	Gurgaon	Fazilpur Badli-Pz	24.30		25.64	26.25
191.	Gurgaon	Firozepur Jhirka	13.95		13.25	13.55
192.	Gurgaon	Gangola-DW	5.70		5.35	
193.	Gurgaon	Gudhana-Pz	30.55		28.30	
194.	Gurgaon	Gulaltha	0.28		0.36	
195.	Gurgaon	Gurgaon Pz	39.89		39.75	39.17
196.	Gurgaon	Haila Mandi	29.05		29.25	29.50

197.	Gurgaon	Harchandpur Pz	24.25		24.35	
198.	Gurgaon	Indri	3.67		2.40	
199.	Gurgaon	Jamalpur-Pz	35.01		33.17	
200.	Gurgaon	Jaraon Pz	13.22		12.88	13.65
201.	Gurgaon	Jhandu Sarai-Pz	17.35		22.73	
202.	Gurgaon	Kadipur	30.85		23.95	24.00
203.	Gurgaon	Kasan	36.50		36.65	36.70
204.	Gurgaon	Khera Khurrampur-Pz	17.95		18.03	
205.	Gurgaon	Kherla	35.80			36.00
206.	Gurgaon	Luhingakalan	4.35		4.37	4.70
207.	Gurgaon	Malab	4.48		3.71	4.50
208.	Gurgaon	Meoka-Pz	18.09		15.70	
209.	Gurgaon	Mouzabad	35.84		36.00	31.00
210.	Gurgaon	Mubarakpur	13.15		13.35	13.40
211.	Gurgaon	Nagina	5.89		5.46	4.10
212.	Gurgaon	Naharika-Pz	19.00		19.10	
213.	Gurgaon	Nuh			3.21	2.70
214.	Gurgaon	Nuh1	2.85		2.55	
215.	Gurgaon	Nurgarh-Pz	19.20			
216.	Gurgaon	Pataudi-Pz	38.45		38.60	
217.	Gurgaon	Pinangwan-Pz	2.15		2.38	
218.	Gurgaon	Pipaka	34.20		34.35	
219.	Gurgaon	Pipaka-Shashola	33.95		33.10	
220.	Gurgaon	Punhana	13.35		13.40	
221.	Gurgaon	Punhana-Pz	11.15		11.32	
222.	Gurgaon	Rathiwass	13.60		13.72	
223.	Gurgaon	Sarauli-DW	1.70		1.85	
224.	Gurgaon	Sidrawali-Pz	26.95		27.77	
225.	Gurgaon	Sikarwa	3.45		4.15	4.35
226.	Gurgaon	Siwari-Pz	17.00			
227.	Gurgaon	Sohna	37.64		39.65	40.17
228.	Gurgaon	Wazirpur-Pz	17.53		17.50	
229.	Hisar	Adampur S	4.80		4.70	4.91
230.	Hisar	Adampur-Pz	4.20		4.19	4.13
231.	Hisar	Agroha abd	11.38		11.73	
232.	Hisar	Agroha-Pz	8.52		8.28	11.74
233.	Hisar	Badchappar	1.20		1.15	
234.	Hisar	Balawas1	14.60		14.52	8.00
235.	Hisar	Balsamand	14.40		14.26	14.05
236.	Hisar	Balsamand-Pz			15.80	

237.	Hisar	Banbhauri-Pz	6.25			5.90
238.	Hisar	Barwala abd			13.68	13.51
239.	Hisar	Barwala-Pz	12.46		9.40	5.46
240.	Hisar	Bas	1.35	1.34	1.25	3.29
241.	Hisar	Basra	18.10	17.56	17.90	17.30
242.	Hisar	Behbalpur-Pz	3.60		3.69	
243.	Hisar	Bhotal Jattan-DW	1.90		1.70	1.70
244.	Hisar	Bithmara-DW	9.32			10.32
245.	Hisar	Chanaut	4.61		4.31	
246.	Hisar	Chann-DW	7.15		6.63	7.50
247.	Hisar	Chaudhriwali	14.85		12.00	13.00
248.	Hisar	Chawdhariwas	9.73	8.83	9.37	9.13
249.	Hisar	Datta-DW	8.05		7.05	
250.	Hisar	Deva-DW	3.40		3.09	4.80
251.	Hisar	Dhand-DW	2.03			2.25
252.	Hisar	Dhansu	4.65		4.47	6.41
253.	Hisar	Durjanpur-Pz	8.48		8.33	
254.	Hisar	Ghursal-Pz	7.48		8.68	8.75
255.	Hisar	Gurana	2.10		1.90	1.75
256.	Hisar	Hissar	9.73	7.25		6.66
257.	Hisar	Hissar-Pz	7.30		7.08	
258.	Hisar	Jaga Bara-DW	9.00		9.10	9.30
259.	Hisar	Juglan	9.37	8.67	7.13	3.26
260.	Hisar	Kanoh-Pz				13.00
261.	Hisar	Khanda Kheri-Pz	8.42		8.67	8.25
262.	Hisar	Kherijalab	9.05		9.45	9.52
263.	Hisar	Kherijalab-Pz	6.10		8.18	8.51
264.	Hisar	Khotkalan	10.66	11.53	10.83	11.63
265.	Hisar	Kirori	14.20		14.32	14.50
266.	Hisar	Kirtan	11.30	12.70	11.21	12.90
267.	Hisar	Ladwi-DW	4.95		4.80	4.70
268.	Hisar	Litani-DW	5.03		4.26	4.03
269.	Hisar	Mangali-Pz	5.05	4.80	4.97	5.06
270.	Hisar	Mehanda-DW	5.85		5.73	5.95
271.	Hisar	Mirka	3.23	1.78	0.57	
272.	Hisar	Moda Khera-DW	4.55		5.25	5.35
273.	Hisar	Mothmajri	10.07	10.07	9.92	9.97
274.	Hisar	Narnaud S	10.42			14.85
275.	Hisar	Pali-DW	12.00		12.40	12.40
276.	Hisar	Petwar-DW	4.90		4.80	

277.	Hisar	Rajthal1	12.90		18.87	12.90
278.	Hisar	Samani		7.49	5.18	4.89
279.	Hisar	Sorkhi-Pz	2.20	2.05	2.85	
280.	Hisar	Talwani Badshahpur-DW	8.15		7.98	8.02
281.	Hisar	Talwani Rana-DW	12.00		9.00	
282.	Hisar	Thurana-DW	1.85		10.50	1.65
283.	Hisar	Umra	6.77		6.87	8.55
284.	Jhajjar	Location	May-15	Aug-15	Nov-15	Jan-16
285.	Jhajjar	Asanda-DW	4.30		3.99	
286.	Jhajjar	Badli	5.63		5.42	5.72
287.	Jhajjar	Bagoa	3.39		2.37	
288.	Jhajjar	Bahadurgarh			8.72	8.74
289.	Jhajjar	Beri	2.39		2.19	2.25
290.	Jhajjar	Bhurawas-Pz			1.60	
291.	Jhajjar	Chamanpura	2.82	3.20	2.04	2.50
292.	Jhajjar	Chhara	5.41	5.06	5.62	3.91
293.	Jhajjar	Chuchakwas	4.37	4.06	4.26	4.36
294.	Jhajjar	Dehkora-DW			1.88	
295.	Jhajjar	Dighal			1.60	1.91
296.	Jhajjar	Dubhaldhan	5.40		4.52	
297.	Jhajjar	Dulhera	3.73	2.84	3.42	3.89
298.	Jhajjar	Gabhana	1.86		2.19	
299.	Jhajjar	Goria-DW	2.39		2.58	2.74
300.	Jhajjar	Hasanpur	5.63		9.16	
301.	Jhajjar	Jakhoda-DW				5.31
302.	Jhajjar	Jhajjar	2.94	1.12	2.15	0.16
303.	Jhajjar	Jhajjar1	2.35		2.06	2.33
304.	Jhajjar	Jharli	11.68		11.60	12.15
305.	Jhajjar	Kaliawas- DW	3.13			3.23
306.	Jhajjar	Kamalgarh-DW	5.46		5.52	5.73
307.	Jhajjar	Kheri Asra DW	5.28		5.16	5.52
308.	Jhajjar	Kherka Gujjar- DW	3.42		3.90	3.30
309.	Jhajjar	Kulasi	0.62	1.40	0.40	0.65
310.	Jhajjar	Lakeria- DW	1.38		0.90	1.10
311.	Jhajjar	Lohari- Pz			30.00	
312.	Jhajjar	Matanhail-Pz	2.37		2.28	2.14
313.	Jhajjar	Mudsa	1.02		0.55	1.23
314.	Jhajjar	Salhawas	3.70		4.34	
315.	Jhajjar	Sankol	1.60		1.23	

316.	Jhajjar	Sasroli-DW	17.87		18.54	18.37
317.	Jhajjar	Silana-DW	4.48		4.02	2.03
318.	Jhajjar	Subnah	2.44		1.11	6.06
319.	Jhajjar	Wazirpur	1.73		1.26	
320.	Jhajjar	Yaqubpur	6.12		5.39	5.09
321.	Jind	Alewa	36.00			38.80
322.	Jind	Alewa Pz	32.05			33.20
323.	Jind	Anta-Pz	14.40		15.40	15.00
324.	Jind	Baroda	14.90		17.60	15.80
325.	Jind	Belrakha	3.45			
326.	Jind	Bhambewa-DW	4.62		4.52	4.27
327.	Jind	Bhana Barahman-DW	6.10		5.50	5.25
328.	Jind	Bhongra-Dw	16.90		17.80	18.90
329.	Jind	Bhuslana-Pz	15.69		17.11	17.60
330.	Jind	Bibipur-OW	17.90		18.90	
331.	Jind	Brahmanwas	9.17	8.59	8.61	
332.	Jind	Chhabri	4.86		4.23	
333.	Jind	Dalamwala-DW	27.50		28.80	28.45
334.	Jind	Danoda Khurd-Pz	4.10		4.10	4.20
335.	Jind	Dhigana-DW	3.20		2.20	2.40
336.	Jind	Dorana Pz	24.96			27.60
337.	Jind	Ganda Khera-DW	15.05		15.25	16.05
338.	Jind	Gangoli-DW	2.70		2.00	1.50
339.	Jind	Ghaso	17.00			
340.	Jind	Gurusar-DW	6.50		7.00	7.00
341.	Jind	Hasanpur-Pz	35.89		37.34	38.04
342.	Jind	Igra	14.05		14.75	
343.	Jind	Jamni-DW	12.06		15.10	14.76
344.	Jind	Jhamula	4.38	5.20	4.12	4.52
345.	Jind	Jhanj Kalan	16.29		16.45	16.20
346.	Jind	Jind-Pz	23.80			24.70
347.	Jind	Julana Pz	6.70		6.03	6.02
348.	Jind	Kalwan	22.58			
349.	Jind	Kalwan-Pz	22.58		23.18	23.33
350.	Jind	Kandela-Pz	27.30		28.70	
351.	Jind	Karela-DW	5.00		4.90	4.70
352.	Jind	Karsola-DW	3.70		3.40	3.75
353.	Jind	Kharwal	16.10			
354.	Jind	Khatkaran	13.84		14.52	
355.	Jind	Korar	12.97		15.48	15.00

356.	Jind	Lajwana Kalan	2.00		1.30	1.20
357.	Jind	Lochap Pz	14.26		16.35	19.05
358.	Jind	Ludhana	2.13		1.98	1.83
359.	Jind	Mandi Kalan-DW	13.50		13.20	13.80
360.	Jind	Mohal Khera Pz	4.87		6.90	
361.	Jind	Narwana	2.52			
362.	Jind	Narwana S-Pz	2.70		2.60	2.45
363.	Jind	Pega-DW	17.15		17.75	23.75
364.	Jind	Pillukhera		6.30	6.52	6.35
365.	Jind	Pillukhera-Pz	6.80		6.40	6.05
366.	Jind	Pipaltha-Pz	32.05		33.05	33.05
367.	Jind	Pokerikheri-Pz	20.80			
368.	Jind	Rajpura-Pz	20.40			
369.	Jind	Rasidan Pz	31.60		32.50	32.80
370.	Jind	Safidon (s)	16.23		16.80	16.00
371.	Jind	Safidon 1(s)	14.26		16.45	16.17
372.	Jind	Sahanpur-Pz	17.27		18.17	17.82
373.	Jind	Shanpur-Pz				17.82
374.	Jind	Uchana	18.92	19.02	18.78	19.02
375.	Jind	Uchana Pz	19.68		20.06	16.65
376.	Kaithal	Bakal-DW	18.00			
377.	Kaithal	Balbehra-Pz	31.89			
378.	Kaithal	Balu-DW			7.90	
379.	Kaithal	Barsana-Pz	22.60		23.80	
380.	Kaithal	Bhana-Pz	14.78		16.08	
381.	Kaithal	Chika-Pz	40.25		42.30	
382.	Kaithal	Dhandh-Pz	28.90		31.00	
383.	Kaithal	Dhons-Pz	27.90		28.90	
384.	Kaithal	Dhunderheri-DW			17.00	
385.	Kaithal	Guhna	25.09		31.08	29.58
386.	Kaithal	Harigarh Kingan-Pz	33.10		35.25	
387.	Kaithal	Jakhauli-Pz	11.47	13.16	12.75	
388.	Kaithal	Jandaula-Pz	29.56		32.92	
389.	Kaithal	Jateri	21.20			
390.	Kaithal	Kaithal S	24.90		25.90	
391.	Kaithal	Kalayat		1.95	2.40	
392.	Kaithal	Kalayat S	3.73		3.72	
393.	Kaithal	Kalesar-DW	10.36		11.00	
394.	Kaithal	Kamalpur-DW	9.50			
395.	Kaithal	Kathana-Pz	14.28	14.75	15.30	

396.	Kaithal	Kaul-Pz	28.10		27.10	
397.	Kaithal	Kelaram	8.28		9.30	
398.	Kaithal	Khanpur-Pz	35.73			
399.	Kaithal	Kheorak-Pz	32.80		35.20	
400.	Kaithal	Kheri Lamba-DW	3.52		3.15	
401.	Kaithal	Kheri Raowali-DW	11.84		12.65	
402.	Kaithal	Manas			39.10	
403.	Kaithal	Manaspatti-Pz	39.40	36.30	37.36	
404.	Kaithal	Mataur	8.31	7.81	7.81	
405.	Kaithal	Mundri	17.54		19.30	18.65
406.	Kaithal	Padla 1(s)	39.11		44.11	
407.	Kaithal	Pai-DW	19.85		21.15	
408.	Kaithal	Peoda		18.86	14.25	13.20
409.	Kaithal	Peoda_Pz	12.72		9.52	
410.	Kaithal	Pharal			28.50	
411.	Kaithal	Pundri(s)	23.39			
412.	Kaithal	Rajaund-Pz	14.10		14.70	
413.	Kaithal	Ram Garh-DW	2.30			
414.	Kaithal	Rasulpur Ghamri-Pz	41.10		41.30	
415.	Kaithal	Serdha-DW			16.00	
416.	Kaithal	Sirsal-Pz	25.94		26.87	26.10
417.	Kaithal	Siwan-Pz	40.48		41.93	
418.	Kaithal	Solu Majra-Pz	26.90		29.00	
419.	Kaithal	Songri-DW	13.80		13.95	
420.	Kaithal	Tik			31.90	
421.	Karnal	Ajanthali-Pz			25.76	
422.	Karnal	Amin S			32.36	
423.	Karnal	Anchla-Pz	11.95		10.87	
424.	Karnal	Andhera-PZ			9.59	
425.	Karnal	Anjanthali-Pz	24.27		25.76	
426.	Karnal	Assandh-Pz	15.63			
427.	Karnal	Badson- PZ			32.48	
428.	Karnal	Balhera-s	11.13		12.05	
429.	Karnal	Balla- Pz			17.64	
430.	Karnal	Bastali	26.48		28.42	
431.	Karnal	Budanpur-Pz	8.87			
432.	Karnal	Chaura-Pz			19.72	
433.	Karnal	Chorkharsa-Pz	28.13		31.76	
434.	Karnal	Dadupur Khurd-Pz	16.00	17.90	15.55	
435.	Karnal	Darar			13.72	
436.	Karnal	Dingar Majra-Pz		39.80	35.86	34.70

437.	Karnal	Domsid D			24.01	
438.	Karnal	Dupedi-DW			15.07	
439.	Karnal	Faridpur-Pz	25.41	30.80	30.65	25.70
440.	Karnal	Gangateri-Pz			24.29	
441.	Karnal	Gangatheri	24.36	28.75	24.29	
442.	Karnal	Garhi Khajur S	15.22		16.27	
443.	Karnal	Ghiar-Pz	8.48		8.98	
444.	Karnal	Gondar-Pz	24.69		25.89	
445.	Karnal	Gondhar			27.44	
446.	Karnal	Indri	10.92		10.11	7.99
447.	Karnal	Jaisingh Pura-Dw	19.06		19.48	
448.	Karnal	Jalmana PZ	24.25		24.13	
449.	Karnal	Jaroli Khurd-Pz			8.74	8.06
450.	Karnal	Jhanjari-Pz	16.12		17.10	
451.	Karnal	Jundla1	18.52		20.94	
452.	Karnal	Kachhwa Pz	19.37		18.53	
453.	Karnal	Kalri Jagir S	3.56		3.61	
454.	Karnal	Kalsi			26.22	
455.	Karnal	Kohnd S			29.42	
456.	Karnal	Kurlan-Pz	20.89		20.33	
457.	Karnal	Kutail S	23.59		24.37	
458.	Karnal	Majra Roran	21.93		23.91	
459.	Karnal	Manak Majra-Pz	24.69		25.20	
460.	Karnal	Mehmadpur-Pz	12.56		12.18	
461.	Karnal	Mohidipur-Pz			16.44	
462.	Karnal	Mound S	24.14			
463.	Karnal	Mound S			26.59	
464.	Karnal	Munak	5.86		5.54	
465.	Karnal	Nalipur-Pz	13.89		13.77	
466.	Karnal	Nalvi Kalan-Pz			13.05	
467.	Karnal	Nanhera	7.75		7.48	
468.	Karnal	Nasirpur-Pz	11.13		10.38	
469.	Karnal	Nisang-Pz			31.76	
470.	Karnal	Nisang-S	29.96			
471.	Karnal	Padhana-DW	19.33		19.32	
472.	Karnal	Phurlak S	20.53		22.27	
473.	Karnal	Phusgarh-Pz	21.53		20.86	
474.	Karnal	Rambha-Pz	8.57		7.11	
475.	Karnal	Randauli-Pz	8.97		8.26	
476.	Karnal	Ranwar-Pz			19.67	

477.	Karnal	Rattak-Pz	24.99		25.11	
478.	Karnal	Sagga-Pz	22.33		23.97	
479.	Karnal	Salwan-B	19.92		18.07	
480.	Karnal	Sambli-Pz-M			24.67	
481.	Karnal	Sambli-Pz-S	22.27		24.60	
482.	Karnal	Samora1			8.82	
483.	Karnal	Taraori-Pz	22.43		22.84	
484.	Karnal	Udana-Pz	34.46		33.66	
485.	Kurukshetra	Adhoya-Pz	34.60		36.50	
486.	Kurukshetra	Bachki-Pz	30.77		33.20	32.30
487.	Kurukshetra	Baronda-Pz	19.90	21.50	19.08	18.60
488.	Kurukshetra	Bateri	31.25			
489.	Kurukshetra	Berthala S	36.33		38.15	
490.	Kurukshetra	Bodhni (s)	34.27		35.91	
491.	Kurukshetra	Chhapra-Pz	34.00		35.10	
492.	Kurukshetra	Dabkhera-Pz		40.10	35.18	33.55
493.	Kurukshetra	Ishaque S	29.87		32.59	
494.	Kurukshetra	Ismilabad-St-Pz	38.10		40.20	
495.	Kurukshetra	Jansa-Pz	39.60			
496.	Kurukshetra	Jogna Khera-Pz	29.60		31.21	
497.	Kurukshetra	Kaulapur S	34.76		38.58	
498.	Kurukshetra	Kharindwa			40.90	
499.	Kurukshetra	Kirmach-St-Pz			26.60	
500.	Kurukshetra	Lohara-Pz	38.60		39.30	
501.	Kurukshetra	Lukhi-Pz	33.20		34.60	
502.	Kurukshetra	Malikpur-Singhpura-Pz		38.00	36.75	
503.	Kurukshetra	Mohri-Dw	6.47		6.85	
504.	Kurukshetra	Mohri-Pz	32.00		32.70	
505.	Kurukshetra	Murtzapur-Pz		27.28	37.99	27.25
506.	Kurukshetra	Naisi-Pz	38.25		40.15	
507.	Kurukshetra	Nalvi			43.85	
508.	Kurukshetra	Pehowa 3 (s)	35.92			
509.	Kurukshetra	Ram Sharan Majra-Pz			38.90	
510.	Kurukshetra	Samalkhi-Pz	46.01	43.70		43.50
511.	Kurukshetra	Sirsala-Pz	34.86		37.85	
512.	Kurukshetra	Tangore-Pz	39.75		41.05	
513.	Kurukshetra	Umri-Pz	34.27		36.49	
514.	Mahendragarh	Atali-DW	26.25		22.60	23.05
515.	Mahendragarh	Barda-DW	83.40		84.00	84.50
516.	Mahendragarh	Basirpur	24.95		24.60	

517.	Mahendragarh	Bayal	26.70		24.40	
518.	Mahendragarh	Berundla-DW				35.20
519.	Mahendragarh	Bhojawas-DW				38.00
520.	Mahendragarh	Buwana-Pz	48.65		50.00	
521.	Mahendragarh	Chelawas-DW				38.00
522.	Mahendragarh	Datal-DW	32.60		32.45	34.45
523.	Mahendragarh	Deroli Ahir	4.80		12.65	
524.	Mahendragarh	Deroli Ahir1	10.53			
525.	Mahendragarh	Dhancholi-DW	34.60		35.15	35.90
526.	Mahendragarh	Faizabad-DW	18.55		18.95	21.25
527.	Mahendragarh	Kalba-DW				31.60
528.	Mahendragarh	Kharkara Bas-DW	14.40			16.45
529.	Mahendragarh	Khatodra-Pz	80.33			
530.	Mahendragarh	Kheri	17.20			
531.	Mahendragarh	Kheri-Pz				55.35
532.	Mahendragarh	Khodana-DW				38.00
533.	Mahendragarh	Khodma-DW	92.50		92.60	92.70
534.	Mahendragarh	Kultajpur-DW				99.00
535.	Mahendragarh	Lukhi	15.64			
536.	Mahendragarh	Nagal Kalia-DW	52.10		51.60	52.55
537.	Mahendragarh	Narnaul	10.42	7.95	12.55	8.25
538.	Mahendragarh	Pachnota-DW	22.60		21.40	21.45
539.	Mahendragarh	Pali-Pz	34.25		34.30	
540.	Mahendragarh	Pathera-DW				31.80
541.	Mahendragarh	Said Alipur-DW				36.65
542.	Mahendragarh	Shelang-DW				34.00
543.	Mahendragarh	Tazpur-Pz	65.60			66.30
544.	Panchkula	Batour			6.93	
545.	Panchkula	Bunga At Dabkhori-DW			34.75	
546.	Panchkula	Devnagar(Panchkula)	9.77	8.76	9.52	8.75
547.	Panchkula	Dharampur	13.60		8.94	
548.	Panchkula	Golpura-DW			3.02	
549.	Panchkula	Hangola	8.25		5.49	
550.	Panchkula	Jaspur-DW	15.50			
551.	Panchkula	Jaspur-Pz	18.30			
552.	Panchkula	Jaswant Garh-DW			3.89	
553.	Panchkula	Kakar Majra	10.56		9.64	
554.	Panchkula	Khera	29.52		28.30	
555.	Panchkula	Kheri-DW	10.20		10.82	
556.	Panchkula	Kona			6.00	

557.	Panchkula	Kundi-DW			18.90	
558.	Panchkula	Maranwala			20.50	
559.	Panchkula	Mauli-DW			23.15	
560.	Panchkula	Nadha-DW	4.60			
561.	Panchkula	Parwala	18.22		18.30	
562.	Panchkula	Patwi	9.83	13.23	12.95	13.13
563.	Panchkula	Raipur Rani-Pz	6.13			
564.	Panchkula	Raipurrani	5.13		17.30	
565.	Panchkula	Ram Nagar-DW	18.00			
566.	Panchkula	Ramgarh-DW	12.71			
567.	Panchkula	Rampur-DW			7.14	
568.	Panchkula	Shahjahan Pur-DW			20.01	
569.	Panchkula	Toka-DW	8.37			
570.	Panipat	Babail Pz S	15.52			
571.	Panipat	Babail VS-Pz	18.00		17.83	
572.	Panipat	Baholi-Pz	16.31		15.86	
573.	Panipat	Bandh-Dw	4.94		4.17	
574.	Panipat	Baupur			7.44	
575.	Panipat	Bhallour Pz			12.87	
576.	Panipat	Brahman Majra-Dw	4.58		4.23	
577.	Panipat	Dakadla S	20.60			
578.	Panipat	Dharamgarh S			16.28	
579.	Panipat	Dumiana-Dw			3.92	
580.	Panipat	Etola-Pz-M			13.00	
581.	Panipat	Etola-Pz-S			13.13	
582.	Panipat	Hathwala-Pz	8.40		6.55	
583.	Panipat	Israna Pz	2.77		1.35	
584.	Panipat	Kaith-Dw	4.34		3.64	
585.	Panipat	Karhansh Pz	34.93		34.08	
586.	Panipat	Khalila Manjran	5.15	1.80	3.37	4.35
587.	Panipat	Khandra			15.11	
588.	Panipat	Khelalla Pehl S	70.00			
589.	Panipat	Kiwana			33.56	
590.	Panipat	Lohari (s)	2.51			
591.	Panipat	Mehmadpur	18.92		19.32	
592.	Panipat	Nara			19.35	
593.	Panipat	Nariana-PZ	21.05		10.20	
594.	Panipat	Naultha			19.57	
595.	Panipat	Nimbri- Pz	27.50			
596.	Panipat	Nizampur			23.91	

597.	Panipat	Patti Kalyana S	32.95		32.71	
598.	Panipat	Puther Pz	7.62		9.87	
599.	Panipat	Samalkha-Pz	32.88		34.64	
600.	Panipat	Sanauli Khurd-Pz	12.50		11.02	
601.	Panipat	Shahpur	5.23			
602.	Panipat	Sink	5.97		8.81	
603.	Panipat	Sutana-Dw			7.39	
604.	Panipat	Tajpur S	23.23			
605.	Panipat	Untilya	5.18		4.77	4.65
606.	Panipat	Urlana Kalan	12.52		13.76	13.01
607.	Rewari	Bahu	11.88		17.85	12.71
608.	Rewari	Balawas	9.11		12.62	8.41
609.	Rewari	Bawal	26.30			
610.	Rewari	Bawal DW	16.18		16.98	17.18
611.	Rewari	Bawal Pz	27.00		29.10	27.15
612.	Rewari	Berli Khurd-DW	15.14		14.94	15.44
613.	Rewari	Bhakli-DW	11.30			12.45
614.	Rewari	Bharangi-DW				17.30
615.	Rewari	Dhana Alampur-DW	13.60			14.20
616.	Rewari	Garhi-DW	15.00		15.21	16.35
617.	Rewari	Gumina	53.50		53.10	
618.	Rewari	Gurkawas-DW	4.30		3.70	4.40
619.	Rewari	Hansaka-DW	3.30		3.60	3.90
620.	Rewari	Harinagar-DW	17.80		17.90	13.35
621.	Rewari	Jatusana	23.60		23.50	
622.	Rewari	Jatuwas-DW				19.40
623.	Rewari	Juddi-DW	18.16		18.70	19.45
624.	Rewari	Junawas	9.60			
625.	Rewari	Karnawas	11.72		11.97	9.70
626.	Rewari	Karoli-DW	11.95		12.85	12.95
627.	Rewari	Khera Bahu-DW				23.48
628.	Rewari	Khol	61.85		62.30	
629.	Rewari	Kumbhawas-DW	15.10		15.20	15.50
630.	Rewari	Mandola-Pz	63.05		64.30	63.55
631.	Rewari	Massani	24.05		24.65	
632.	Rewari	Mubarikpur-DW				17.00
633.	Rewari	Nahar	18.90		19.65	
634.	Rewari	Nangal Mundi-DW	15.40		15.20	15.45
635.	Rewari	Palhawas-DW	3.55		2.65	3.70
636.	Rewari	Pali-Pz				51.00

637.	Rewari	Ratanthal-DW	8.80		7.00	6.95
638.	Rewari	Rewari	18.07		13.30	
639.	Rewari	Rholiawas-Pz	11.41		13.00	
640.	Rewari	Rohrai-DW	6.44		5.75	6.09
641.	Rewari	Sangwari			6.89	
642.	Rewari	Shadipur-DW	9.61		9.51	9.76
643.	Rewari	Sudharana-DW	6.70		9.51	8.32
644.	Rohtak	Ajaib-DW	1.58		1.78	1.93
645.	Rohtak	Assan-DW	2.68		2.26	2.89
646.	Rohtak	Atail-DW	5.30		4.89	5.39
647.	Rohtak	Baland	2.88		1.75	0.70
648.	Rohtak	Baliana-DW	2.32		2.06	2.18
649.	Rohtak	Bhal Anandpur	2.66		0.15	2.05
650.	Rohtak	Bhalaut	1.32		0.35	0.46
651.	Rohtak	Bharain-DW	1.56		1.02	1.44
652.	Rohtak	Giji-DW	5.29		4.89	5.06
653.	Rohtak	Hassangarh	6.12	3.50	4.80	5.80
654.	Rohtak	Kalanaur	3.07		2.02	2.79
655.	Rohtak	Kanheli-DW	0.77		1.48	1.27
656.	Rohtak	Kansala	3.24		1.60	2.07
657.	Rohtak	Kharawar	3.74		3.07	3.37
658.	Rohtak	Kherari-DW	1.87		1.74	2.10
659.	Rohtak	Kiloi-DW	1.99		1.21	1.37
660.	Rohtak	Lahli-DW	1.68		1.43	1.88
661.	Rohtak	Lakhan Majara	1.00		0.87	0.97
662.	Rohtak	Madina	3.41		3.61	3.78
663.	Rohtak	Mahem			15.52	
664.	Rohtak	Makhrauli Khurd	2.75		1.84	2.08
665.	Rohtak	Meham	13.47		12.22	15.55
666.	Rohtak	Muradpur Tekna-DW	2.79		1.36	1.76
667.	Rohtak	Nandal-DW	1.62			
668.	Rohtak	Nidhana	1.76		0.96	1.74
669.	Rohtak	Ritoli-DW	1.22		1.02	1.26
670.	Rohtak	Rohtak	3.28		1.97	2.14
671.	Rohtak	Rukhi	2.08		1.71	
672.	Rohtak	Samargopalpur	2.49		2.84	2.22
673.	Rohtak	Sampla	1.24		2.79	1.57
674.	Rohtak	Sampla-Pz	1.02		0.82	0.75
675.	Rohtak	Sundana-DW	4.51		1.41	2.12
676.	Rohtak	Tiloli-DW	6.98		5.48	5.93

677.	Sirsa	Ali Mohmmad	29.20		29.20	
678.	Sirsa	Alikan	11.32		12.05	11.32
679.	Sirsa	Bharu Khera-DW	9.37		9.45	
680.	Sirsa	Bhuratwala-Pz	11.45		10.93	10.07
681.	Sirsa	Chaharwala	9.08		8.88	
682.	Sirsa	Chilkani Dhab	1.70		1.70	1.75
683.	Sirsa	Chormar	16.36		16.82	
684.	Sirsa	Chotala	7.56	8.85		9.86
685.	Sirsa	Chotala-Pz	10.11		9.03	8.84
686.	Sirsa	Dabwali Dw			9.31	8.85
687.	Sirsa	Dabwali -Pz S	9.27		8.67	
688.	Sirsa	Darba Kalan-Pz	1.60	1.12	1.60	1.55
689.	Sirsa	Desu Jodha-DW	12.58		12.70	
690.	Sirsa	Desu Malkana-DW	14.10		14.10	
691.	Sirsa	Dholpalia-DW	8.00		8.30	
692.	Sirsa	Ding	18.01		17.64	18.49
693.	Sirsa	Ganga	14.05		14.05	12.05
694.	Sirsa	Ghushiana	13.53	14.00	14.10	12.09
695.	Sirsa	Gigorani	4.84		5.49	4.55
696.	Sirsa	Goriwala	17.25		16.64	
697.	Sirsa	Goriwala-Pz				16.95
698.	Sirsa	Govindgarh-DW	14.10		14.10	
699.	Sirsa	Gudia Khera-DW	1.63		1.53	
700.	Sirsa	Hasu	14.63		14.63	
701.	Sirsa	Jagiwala-DW	11.44		11.56	
702.	Sirsa	Jamal	4.80		4.51	4.71
703.	Sirsa	Jamal- Pz	4.38		4.46	
704.	Sirsa	Kairanwali-DW	2.02		1.97	
705.	Sirsa	Kalanwali Mandi-Pz	7.40		8.07	7.49
706.	Sirsa	Kaluwana	10.92		10.37	
707.	Sirsa	Karamsana	9.34	8.66	7.58	8.28
708.	Sirsa	Kash Ram Dhab			7.10	
709.	Sirsa	Khuiyan	14.21		12.48	15.00
710.	Sirsa	Kurangwali	5.89		5.74	
711.	Sirsa	Lohgarh	5.18		5.18	
712.	Sirsa	Makhu Shorani			2.80	
713.	Sirsa	Mammer Khera-Pz	19.43		19.34	
714.	Sirsa	Mangala-Pz	63.50	68.60	67.87	65.30
715.	Sirsa	Manjiyana	14.33			
716.	Sirsa	Mastian	14.33		14.17	

717.	Sirsa	Mithri	16.15		17.52	16.76
718.	Sirsa	Nuhian Wali	14.50		15.43	
719.	Sirsa	Odhan Pz	17.55		15.37	
720.	Sirsa	Ottu 1(s)			32.63	31.11
721.	Sirsa	Panniwala Mota	12.89	9.76	10.25	10.26
722.	Sirsa	Phaggu-Pz	5.50		5.06	
723.	Sirsa	Rasalia Khera	19.35	19.12	19.55	19.50
724.	Sirsa	Rori -DW	9.36		9.93	8.44
725.	Sirsa	Rupana			1.72	
726.	Sirsa	Sadewala	21.35		21.50	
727.	Sirsa	Sainpal-Pz	31.35		32.46	
728.	Sirsa	Saktakhera	4.56	3.86	3.94	7.32
729.	Sirsa	Shergarh-DW			8.27	
730.	Sirsa	Sherpura	15.00	14.67	14.81	14.69
731.	Sirsa	Sirsa-Pz	32.54		37.16	
732.	Sirsa	Sri Jiwan Nagar-B	43.60		44.85	
733.	Sirsa	Sukhchain-DW	9.14		8.08	
734.	Sirsa	Taruwana			8.12	
735.	Sirsa	Tejakhera	5.50		5.35	5.97
736.	Sirsa	Thiraj	9.38		9.38	
737.	Sirsa	Tigri-DW	6.55		6.75	
738.	Sonipat	Ahmadpur Majra-DW	4.70		7.35	6.40
739.	Sonipat	Ahulana	2.77	3.75	3.60	2.07
740.	Sonipat	Anandpur-Jarot-DW	5.28		4.82	5.22
741.	Sonipat	Anwali-Pz	3.15		2.22	2.44
742.	Sonipat	Bagru-DW	3.12		2.45	2.43
743.	Sonipat	Banwasa-DW	4.39		3.91	4.23
744.	Sonipat	Barauli-Pz	8.75		0.92	8.48
745.	Sonipat	Baroda Mor-DW			2.56	2.90
746.	Sonipat	Barona-DW	3.63		2.34	
747.	Sonipat	Barswani- DW			5.84	5.97
748.	Sonipat	Barwasni Pz (s)	9.53		5.41	
749.	Sonipat	Bega Pz	12.73		10.04	10.40
750.	Sonipat	Bhainswal	3.29		2.40	3.20
751.	Sonipat	Bhunderi	2.72		2.22	
752.	Sonipat	Bichpuri1	6.25		8.00	
753.	Sonipat	Bidhlan-DW	2.57		2.74	2.90
754.	Sonipat	Bohela	3.32		1.98	
755.	Sonipat	Butana	5.20	3.85	3.33	3.78
756.	Sonipat	Chhapra-DW	2.29		1.91	2.25

757.	Sonipat	Chirana	7.00		4.42	
758.	Sonipat	Chitana-DW	5.07		4.03	4.40
759.	Sonipat	Datauli-Pz	23.43	24.63	26.70	24.24
760.	Sonipat	Farmana	7.48		6.95	7.24
761.	Sonipat	Ganaur-Pz	26.44		28.64	
762.	Sonipat	Gangana-DW	3.12		2.01	2.13
763.	Sonipat	Garhwal	2.47		1.83	1.82
764.	Sonipat	Gohana Pz	18.20		18.05	17.60
765.	Sonipat	Gorar-DW	2.79		1.71	2.16
766.	Sonipat	Jagsi	2.13		1.05	1.23
767.	Sonipat	Janti Khurd-Pz	12.79		18.00	
768.	Sonipat	Jhakauli- Pz	19.90		22.36	12.40
769.	Sonipat	Juan-DW	7.68		8.75	8.98
770.	Sonipat	Kami- PZ				36.30
771.	Sonipat	Kathura	2.80		2.24	2.77
772.	Sonipat	Kathura Pz	2.44		1.41	1.55
773.	Sonipat	Khanda-DW	3.36		3.30	3.55
774.	Sonipat	Khanpur Kalan-Pz	3.95		2.86	
775.	Sonipat	KheoraPz	26.20		27.40	28.29
776.	Sonipat	Kheri Gujjar-Pz	23.43		23.86	25.00
777.	Sonipat	Ladpur-Pz	8.64		9.88	10.51
778.	Sonipat	Larsauli-Pz	30.14		32.06	32.60
779.	Sonipat	Lath	1.54		1.23	1.45
780.	Sonipat	Machhri	5.45	4.59	3.75	4.33
781.	Sonipat	Mahara	8.55		8.99	
782.	Sonipat	Mattand-DW	4.17		3.28	4.92
783.	Sonipat	Mohana Pzm	3.84		3.96	4.34
784.	Sonipat	Mundlana DW	5.70		4.77	
785.	Sonipat	Mundlana- Pz			3.76	5.35
786.	Sonipat	Murthal-Pz	36.20	32.65	33.37	32.88
787.	Sonipat	Nahri	5.38	3.26	4.38	4.84
788.	Sonipat	Nizaimpur	2.83		1.89	2.67
789.	Sonipat	Pinana	5.58		5.19	5.27
790.	Sonipat	Pipli-DW	6.52		6.47	6.61
791.	Sonipat	Pugthala-Pz	6.39		5.48	6.13
792.	Sonipat	Purkhas-Pz	16.04			15.40
793.	Sonipat	Rai-Bahalgarh-Pz	23.77			25.69
794.	Sonipat	Rasoi Pz	13.96		14.06	
795.	Sonipat	Rathdhana-Pz	22.39		22.94	22.74
796.	Sonipat	Rohat	1.42		0.94	3.15

797.	Sonipat	Rukhi-Pz	1.95	0.48	1.60	2.20
798.	Sonipat	Safiabad-Pz	8.06		8.52	8.89
799.	Sonipat	Sisnah	6.27		5.40	4.65
800.	Sonipat	Sonepat	27.60		27.85	27.92
801.	Sonipat	Tihar Malikpur-DW	5.21		5.39	6.04
802.	Yamunanagar	Amadalpur		12.38	7.38	
803.	Yamunanagar	Antawa-Pz	28.25			
804.	Yamunanagar	Bari Kanari-Pz	28.40			
805.	Yamunanagar	Bhambauli-1 (m)	17.25		18.06	
806.	Yamunanagar	Bilaspur DW	4.08		3.56	
807.	Yamunanagar	Chamrori-Pz	24.15			
808.	Yamunanagar	Chhachrauli S	16.16		13.30	
809.	Yamunanagar	Choli	1.99		1.12	1.39
810.	Yamunanagar	Damla-Pz	13.25			
811.	Yamunanagar	Dhaurang S	15.52		14.68	
812.	Yamunanagar	Fatehpur-Pz	6.29			
813.	Yamunanagar	Jagadhri-Pz	17.63			
814.	Yamunanagar	Jhiwarheri S			32.41	
815.	Yamunanagar	Khizrabad	17.26		14.70	
816.	Yamunanagar	Mustafabad DW	7.35		7.55	6.90
817.	Yamunanagar	Mustafabad-Pz	12.40		12.35	
818.	Yamunanagar	Nagal Patti-DW	26.80			
819.	Yamunanagar	Naggal-S	5.38		5.09	
820.	Yamunanagar	Radaur S	14.48		14.68	
821.	Yamunanagar	Ramgarh-DW	7.85			
822.	Yamunanagar	Rasulpur	6.77			
823.	Yamunanagar	Rasulpur DW			6.49	
824.	Yamunanagar	Sabri	6.00		5.28	5.63
825.	Yamunanagar	Sadhaura	6.18			
826.	Yamunanagar	Sadhaura DW	6.77		6.31	
827.	Yamunanagar	Sadhaura S	7.47		6.41	
828.	Yamunanagar	Salehpur-DW	7.42			
829.	Yamunanagar	Shadipur	5.40		5.60	
830.	Yamunanagar	Tala Kaur S	9.77			
831.	Yamunanagar	Tehi-Pz	23.27			

Annexure-II						
S. No.	District	Location	WATER LEVEL FLUCTUATION (M)			
			Jan. 2015- May 2015	May 2015- Aug. 2015	May 2015- Nov. 2015	May 2015- Jan. 2016
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1.	Ambala	Ambala Cantt			-0.12	
2.	Ambala	Dhanaura	-0.43	1.00	1.27	0.95
3.	Ambala	Kakru	-0.40	0.19	0.83	0.11
4.	Ambala	Khan Ahmadpur	0.08	2.75	0.17	1.35
5.	Ambala	Mulana	-0.13		0.67	
6.	Ambala	Naraingarh	0.75			
7.	Ambala	Panjokhra	-1.73		0.60	0.10
8.	Ambala	Pinjola			-1.09	-2.59
9.	Bhiwani	Badala	-0.96		-0.67	
10.	Bhiwani	Bajina	-0.75	-0.25	-0.55	-0.51
11.	Bhiwani	Bamla	0.20		-0.02	-0.05
12.	Bhiwani	Baundkalan	-1.09	1.50	0.39	0.03
13.	Bhiwani	Bhawani Khera Dw	-2.51		0.70	
14.	Bhiwani	Bhawani Khera Pz	0.41		1.21	
15.	Bhiwani	Bohal	-0.69	1.80	0.16	0.10
16.	Bhiwani	Chirya	-1.46	-0.30	0.84	-0.03
17.	Bhiwani	Dadri				
18.	Bhiwani	Dadri-Pz	0.04		0.16	
19.	Bhiwani	Dhanana	-0.03		0.23	
20.	Bhiwani	Gopi	-1.40		-1.02	
21.	Bhiwani	Gurera	0.43	-0.06	-0.77	
22.	Bhiwani	Gurera-Pz	-0.32		-0.10	
23.	Bhiwani	Haluwas	-1.12		0.20	0.09
24.	Bhiwani	Imlota			0.18	
25.	Bhiwani	Isharwal	-0.50		-0.23	
26.	Bhiwani	Jhumpa	1.26	1.51	0.07	
27.	Bhiwani	Jhumpa Kalan	-2.03			
28.	Bhiwani	Juikalan Pz	-0.96			
29.	Bhiwani	Lohani	-0.51	-0.40	-3.70	
30.	Bhiwani	Manhairu	-0.27		-0.16	
31.	Bhiwani	Mehrana	-0.32		-0.61	
32.	Bhiwani	Miran	-0.01		0.66	
33.	Bhiwani	Miran-Pz	0.13		0.38	
34.	Bhiwani	Nayaatela	-1.55		-2.44	
35.	Bhiwani	Sangwan Pzm	-0.87			

36.	Bhiwani	Sanwar	0.11		-1.02	
37.	Bhiwani	Singhani-Pz	-3.19		-2.89	
38.	Bhiwani	Siwani	0.11	1.00	0.49	0.30
39.	Bhiwani	Sui	0.16	-0.15	-0.35	0.40
40.	Bhiwani	Tosham	0.04			
41.	Bhiwani	Tosham-Pz	-0.10		0.54	
42.	Faridabad	Achheja	-1.01			
43.	Faridabad	Badraun	-0.52		1.60	
44.	Faridabad	Baghaura	-0.12		-0.13	
45.	Faridabad	Ballabgarh	-2.14			
46.	Faridabad	Bamnikhera			-0.45	
47.	Faridabad	Barauli-Pz	-1.29		-0.83	
48.	Faridabad	Bhopani	-0.87		3.31	
49.	Faridabad	Dighaut	1.16		-0.94	
50.	Faridabad	Hasan Pur			0.62	
51.	Faridabad	Hathin	1.83			
52.	Faridabad	Jawan- Pz	-0.62			
53.	Faridabad	Khambi	-0.41		-0.83	
54.	Faridabad	Kot			0.10	
55.	Faridabad	Lakhnaka	-0.33		-3.56	
56.	Faridabad	Lalwa	-0.34			
57.	Faridabad	Pali2	-6.96		-7.56	
58.	Faridabad	Palwal	-1.41		0.68	
59.	Faridabad	Palwal-Pz	-3.28			
60.	Faridabad	Pehladpur-Pz	-1.25		-0.24	
61.	Faridabad	Pelak-Pz	0.05			
62.	Faridabad	Rasul Pur	-0.64		-0.06	
63.	Faridabad	Tumsara	-3.50		-3.29	1.98
64.	Fatehabad	Aharwan S	6.59			
65.	Fatehabad	Badopal	0.31	0.18	1.05	1.08
66.	Fatehabad	Dayar1				0.00
67.	Fatehabad	Dhingsara				-2.45
68.	Fatehabad	Gorakhpur-Dw				0.70
69.	Fatehabad	Hukmawali-Pz				-3.10
70.	Fatehabad	Jandli Kalan	-0.73		-0.24	-1.22
71.	Fatehabad	Kajal Heri-Dw				0.13
72.	Fatehabad	Kanhari-Pz				0.11
73.	Fatehabad	Machiwali-Dw				-1.60
74.	Fatehabad	Mehu Wala Pz	-1.10		-0.73	-2.22
75.	Fatehabad	Nagpur- Pz				-4.60

76.	Fatehabad	Nahla	-0.70	0.93	0.03	0.67
77.	Fatehabad	Nangla-Dw				1.33
78.	Fatehabad	Nikuwana-Pz				0.84
79.	Fatehabad	Pilimudari				-0.67
80.	Fatehabad	Ratia -Pz			-3.35	-2.05
81.	Fatehabad	Ratta Khera-Pz				-0.60
82.	Fatehabad	Sadalpur	-0.85		0.60	-0.05
83.	Fatehabad	Samain	1.54		-0.25	
84.	Fatehabad	Shekhpur Daroli-Dw				-0.62
85.	Fatehabad	Tohana			-0.57	1.03
86.	Gurgaon	Akaira	-0.66		-0.40	1.50
87.	Gurgaon	Akbarpur	0.29			
88.	Gurgaon	Basonda Tripati-Pz	-1.10		-1.61	
89.	Gurgaon	Chandu Tikly	0.32			
90.	Gurgaon	Fazilpur Badli-Pz			-0.96	-1.25
91.	Gurgaon	Firozepur Jhirka	-2.85		-0.30	
92.	Gurgaon	Gulaltha	-0.78		-0.34	
93.	Gurgaon	Gurgaon Pz	-3.92		-1.63	
94.	Gurgaon	Indri			0.70	
95.	Gurgaon	Jamalpur-Pz			0.03	
96.	Gurgaon	Jaraon Pz	-1.27		-1.11	
97.	Gurgaon	Kadipur			9.25	
98.	Gurgaon	Kasan	1.10		0.72	
99.	Gurgaon	Kherla	-1.39			
100.	Gurgaon	Luhingakalan	-0.41		0.05	
101.	Gurgaon	Malab	-1.33		0.59	
102.	Gurgaon	Meoka-Pz	-0.47		2.63	
103.	Gurgaon	Mouzabad	-1.70			
104.	Gurgaon	Nagina	-2.27		-0.68	
105.	Gurgaon	Naharika-Pz	10.71		9.97	
106.	Gurgaon	Nuh1	0.23			
107.	Gurgaon	Pataudi-Pz			-3.00	
108.	Gurgaon	Pipaka	0.26			
109.	Gurgaon	Pipaka-Shashola	0.00		1.58	
110.	Gurgaon	Sikarwa	-0.99		-0.92	
111.	Gurgaon	Siwari-Pz	-3.90			
112.	Gurgaon	Sohna	-24.97			
113.	Gurgaon	Wazirpur-Pz	-0.74		-0.22	
114.	Hisar	Adampur S				0.04
115.	Hisar	Adampur-Pz	-0.58		0.33	0.37

116.	Hisar	Agroha-Pz	0.00		0.12	
117.	Hisar	Balawas1	0.20		-0.27	5.90
118.	Hisar	Balsamand	-1.15		0.34	2.85
119.	Hisar	Balsamand-Pz			0.37	
120.	Hisar	Banbhauri-Pz	-0.40			0.70
121.	Hisar	Barwala Abd				-0.32
122.	Hisar	Barwala1				3.64
123.	Hisar	Barwala-Pz	-3.32		-0.10	
124.	Hisar	Bas	0.05		0.10	-0.04
125.	Hisar	Basra	0.16		1.35	
126.	Hisar	Behbalpur-Pz	0.02		0.59	
127.	Hisar	Bhotal Jattan-Dw				-0.05
128.	Hisar	Bithmara-Dw				-1.52
129.	Hisar	Chanaut	-0.02		1.49	
130.	Hisar	Chann-Dw				-0.40
131.	Hisar	Chaudhriw ali				-0.80
132.	Hisar	Chawdhari was	-0.85	0.10	-0.34	0.30
133.	Hisar	Deva-Dw				0.25
134.	Hisar	Dhamundic ross				-0.14
135.	Hisar	Dhansu	-0.07		0.32	
136.	Hisar	Ghursal-Pz	1.30		0.32	0.05
137.	Hisar	Gurana				1.34
138.	Hisar	Hissar-Pz	-0.86		0.88	
139.	Hisar	Jaga Bara-Dw				-5.40
140.	Hisar	Juglan	-1.04	0.50	1.84	
141.	Hisar	Kanoh-Pz				-1.88
142.	Hisar	Khanda Kheri-Pz	-0.75		-0.14	
143.	Hisar	Kherijalab				-0.47
144.	Hisar	Kherijalab-Pz	2.45		-1.78	-0.56
145.	Hisar	Khotkalan	1.52	-0.60	0.80	-0.30
146.	Hisar	Kirori	-0.35		-0.27	-0.78
147.	Hisar	Kirtan	1.17	-0.15	0.19	-0.30
148.	Hisar	Ladwi-Dw				0.50
149.	Hisar	Litani-Dw				-0.07
150.	Hisar	Mangali-Pz	-0.21	0.40	0.18	0.29

151.	Hisar	Mehanda-Dw				-0.15
152.	Hisar	Mirka		1.59	3.54	
153.	Hisar	Moda Khera-Dw				5.32
154.	Hisar	Mothmajri	-2.05	-0.10	-0.91	-1.25
155.	Hisar	Narnaud S	2.14			
156.	Hisar	Pali-Dw				-5.20
157.	Hisar	Rajthal1	3.09		-3.47	2.10
158.	Hisar	Samani		-2.70		0.30
159.	Hisar	Sorkhi-Pz	0.81	-0.15	-0.33	
160.	Hisar	Talwani Badshahpur-Dw				1.93
161.	Hisar	Thurana-Dw				-0.15
162.	Hisar	Umra	-0.57		-0.12	
163.	Jhajjar	Badli			6.32	0.01
164.	Jhajjar	Bagoa	-0.01		0.98	
165.	Jhajjar	Beri				0.94
166.	Jhajjar	Chamanpur a	-0.47	1.07	0.65	1.10
167.	Jhajjar	Chhara	-0.52	0.10	-0.21	1.60
168.	Jhajjar	Chuchakwa s	-0.13	2.00	-0.10	-0.10
169.	Jhajjar	Dighal			1.65	-0.14
170.	Jhajjar	Dubhaldha n	0.14		0.11	
171.	Jhajjar	Dulhera	0.13	1.15	1.97	1.50
172.	Jhajjar	Gabhana	0.38			
173.	Jhajjar	Goria-Dw				-0.74
174.	Jhajjar	Hasanpur			-3.32	
175.	Jhajjar	Jakhoda-Dw				0.38
176.	Jhajjar	Jhajjar	0.92	2.06	1.80	3.95
177.	Jhajjar	Jhajjar1				0.03
178.	Jhajjar	Jharli				-0.07
179.	Jhajjar	Kaliawas-Dw				-0.24
180.	Jhajjar	Kamalgarh-Dw				-0.55
181.	Jhajjar	Kheri Asra Dw				0.28
182.	Jhajjar	Kherka Gujjar- Dw				-0.96
183.	Jhajjar	Kulasi	0.20			-0.20

184.	Jhajjar	Lakeria-Dw				-0.28
185.	Jhajjar	Matanhail-Pz				-0.16
186.	Jhajjar	Mudsa	0.35		0.00	
187.	Jhajjar	Salhawas			-0.26	
188.	Jhajjar	Sankol	0.35		0.55	
189.	Jhajjar	Sasroli-Dw				-0.42
190.	Jhajjar	Silana-Dw				2.75
191.	Jhajjar	Subnah			5.45	0.95
192.	Jhajjar	Wazirpur	0.11		0.44	
193.	Jhajjar	Yaqubpur				0.99
194.	Jind	Alewa Pz	-1.95			
195.	Jind	Anta-Pz				0.00
196.	Jind	Baroda	1.66		-1.25	-1.70
197.	Jind	Belrakha				
198.	Jind	Bhambewa-Dw				0.15
199.	Jind	Bhana Barahman-Dw				0.25
200.	Jind	Bhongra-Dw				-1.60
201.	Jind	Bhuslana-Pz	-0.76		-0.46	-3.20
202.	Jind	Brahmanwas	0.52		-0.61	
203.	Jind	Chhabri	-0.79		-0.20	
204.	Jind	Dalamwala-Dw				-6.20
205.	Jind	Danoda Khurd-Pz				-1.05
206.	Jind	Dhigana-Dw				0.30
207.	Jind	Dorana Pz	-3.02			-0.55
208.	Jind	Ganda Khera-Dw				-1.30
209.	Jind	Gangoli-Dw				0.40
210.	Jind	Ghaso	-2.93			
211.	Jind	Gurusar-Dw				-1.80
212.	Jind	Hasanpur-Pz				-1.10
213.	Jind	Jamni-Dw				-4.65
214.	Jind	Jhamula	0.22		0.15	0.25
215.	Jind	Jhanj Kalan				-4.50

216.	Jind	Jind-Pz				-1.35
217.	Jind	Julana Pz	-1.00		-0.88	-0.65
218.	Jind	Kalwan-Pz				-0.55
219.	Jind	Karela-Dw				0.00
220.	Jind	Karsola-Dw				-0.25
221.	Jind	Khatkaran	-0.46		-2.22	
222.	Jind	Korar	-1.21		-5.07	-4.24
223.	Jind	Lajwana Kalan				0.65
224.	Jind	Lochap Pz			-1.82	-6.85
225.	Jind	Ludhana				0.01
226.	Jind	Mandi Kalan-Dw				-0.50
227.	Jind	Mohal Khera Pz	0.45		-1.95	
228.	Jind	Narwana S-Pz	-0.55			0.00
229.	Jind	Pega-Dw				-4.37
230.	Jind	Pillukhera			-0.92	-0.72
231.	Jind	Pillukhera- Pz				-0.05
232.	Jind	Pipaltha-Pz				-1.00
233.	Jind	Rasidan Pz				-1.00
234.	Jind	Safidon (S)	-2.03		-0.65	-0.75
235.	Jind	Safidon 1(S)	0.74		-0.87	-1.15
236.	Jind	Sahanpur- Pz				-1.15
237.	Jind	Shanpur- Pz				-1.15
238.	Jind	Uchana	-0.25			0.60
239.	Jind	Uchana Pz	-2.08			1.25
240.	Kaithal	Bhana-Pz	-2.12		-1.28	
241.	Kaithal	Guhna	-1.11			-2.90
242.	Kaithal	Jakhauli-Pz		-0.66	1.95	
243.	Kaithal	Jandaula- Pz	-0.56		-2.07	
244.	Kaithal	Jateri	-2.28			
245.	Kaithal	Kaithal S	-20.73			
246.	Kaithal	Kalayat			0.00	
247.	Kaithal	Kalayat S	1.04		0.63	
248.	Kaithal	Kathana-Pz	-0.88	0.70		
249.	Kaithal	Kelaram	-1.92		-0.92	

250.	Kaithal	Kheorak-Pz	-3.44		-1.10	
251.	Kaithal	Manaspatti-Pz	-5.32	0.20	-0.11	
252.	Kaithal	Mataur	-1.87		-0.40	
253.	Kaithal	Mundri	-1.40		-4.95	
254.	Kaithal	Padla 1(S)	-2.02			
255.	Kaithal	Peoda_Pz	-0.59		3.83	
256.	Kaithal	Pundri(S)	-1.50			
257.	Kaithal	Rajaund-Pz	-4.03		-2.15	
258.	Kaithal	Rasulpur Ghamri-Pz			-0.54	
259.	Kaithal	Sirsal-Pz	-3.69		0.38	
260.	Karnal	Amin S			-3.33	
261.	Karnal	Balhera-S	-5.89			
262.	Karnal	Dadupur Khurd-Pz	-3.55		-1.56	
263.	Karnal	Dingar Majra-Pz		3.10	-0.52	-0.55
264.	Karnal	Faridpur-Pz	0.59	0.20	-0.55	0.80
265.	Karnal	Gangatheri	0.53	0.45	5.41	
266.	Karnal	Garhi Khajur S	0.30		0.96	
267.	Karnal	Indri			0.03	2.21
268.	Karnal	Jaroli Khurd-Pz			-2.14	
269.	Karnal	Jundla1	-0.89		0.87	
270.	Karnal	Kalri Jagir S	0.34		-1.30	
271.	Karnal	Kutail S	-0.56		0.31	
272.	Karnal	Majra Roran	-1.18		-3.14	
273.	Karnal	Mohidinpur -Pz			-0.91	
274.	Karnal	Mound S	-3.47			
275.	Karnal	Mound S			-2.57	
276.	Karnal	Nalvi Kalan-Pz			-0.40	
277.	Karnal	Nanhera	0.10			
278.	Karnal	Phurlak S	-0.95		0.18	
279.	Karnal	Salwan-B	-2.19			
280.	Karnal	Sambli-Pz-S	-0.96			
281.	Kurukshetra	Bachki-Pz	-1.87		-0.21	
282.	Kurukshetra	Baronda-	-0.03	2.30	0.75	0.20

		Pz				
283.	Kurukshetra	Berthala S	-1.25		-2.03	
284.	Kurukshetra	Bodhni (S)	-1.89		-4.13	
285.	Kurukshetra	Dabkhera-Pz		-1.40	0.53	
286.	Kurukshetra	Ishaque S	-3.36		-6.20	
287.	Kurukshetra	Kaulapur S	-0.71		-3.85	
288.	Kurukshetra	Malikpur-Singhpura-Pz		-0.30	-5.37	
289.	Kurukshetra	Murtzapur-Pz		-1.48	-11.41	
290.	Kurukshetra	Pehowa 3 (S)	-4.63			
291.	Kurukshetra	Samalkhi-Pz	-4.03			
292.	Kurukshetra	Sirsala-Pz	-1.49		0.52	
293.	Mahendragarh	Atali-Dw				-0.70
294.	Mahendragarh	Barda-Dw				-1.00
295.	Mahendragarh	Berundla-Dw				-2.50
296.	Mahendragarh	Bhojawas-Dw				-0.25
297.	Mahendragarh	Buwana-Pz	-4.05		-2.87	
298.	Mahendragarh	Chelawas-Dw				-1.90
299.	Mahendragarh	Datal-Dw				-1.45
300.	Mahendragarh	Dhancholi-Dw				-0.45
301.	Mahendragarh	Faizabad-Dw				-1.55
302.	Mahendragarh	Kalba-Dw				-0.50
303.	Mahendragarh	Kharkara Bas-Dw				-1.85
304.	Mahendragarh	Khatodra-Pz	-8.55			
305.	Mahendragarh	Kheri-Pz				-1.80
306.	Mahendragarh	Khodana-Dw				-3.40
307.	Mahendragarh	Khodma-Dw				0.30
308.	Mahendragarh	Kultajpur-Dw				0.50
309.	Mahendragarh	Lukhi	0.26			
310.	Mahendragarh	Nagal Kalia-Dw				-0.25
311.	Mahendragarh	Narnaul	0.94	0.45	0.23	0.53

312.	Mahendragarh	Pachnota-Dw				0.45
313.	Mahendragarh	Pathera-Dw				-2.40
314.	Mahendragarh	Said Alipur-Dw				-1.05
315.	Mahendragarh	Shelang-Dw				-1.50
316.	Mahendragarh	Tazpur-Pz				-1.20
317.	Panchkula	Devnagar(Panchkula)	0.09		-0.40	0.00
318.	Panchkula	Dharampur	0.35		0.53	
319.	Panchkula	Kakar Majra	0.48		0.66	
320.	Panchkula	Khera	0.73		0.39	
321.	Panchkula	Parwala	0.13		-0.94	
322.	Panchkula	Patwi	3.25	-0.16	0.34	0.30
323.	Panchkula	Raipur Rani-Pz	-0.13			
324.	Panchkula	Raipurrani	6.54		-3.67	
325.	Panipat	Babail Pz S	-2.92			
326.	Panipat	Babail Vs-Pz			-4.83	
327.	Panipat	Bhallour Pz			-2.42	
328.	Panipat	Dakadla S	-0.34			
329.	Panipat	Dharamgarh S			-1.98	
330.	Panipat	Etola-Pz-M			1.10	
331.	Panipat	Etola-Pz-S			0.77	
332.	Panipat	Hathwala-Pz	0.46		3.40	
333.	Panipat	Israna Pz	1.26		2.68	
334.	Panipat	Karhansh Pz	-4.63		-0.38	
335.	Panipat	Khalila Manjran	-0.72		-0.27	-0.10
336.	Panipat	Khelalla Pehl S	-48.16			
337.	Panipat	Lohari (S)	-0.43			
338.	Panipat	Nariana-Pz	-4.40		8.30	
339.	Panipat	Nimbri- Pz	-1.30			
340.	Panipat	Patti Kalyana S			1.09	

341.	Panipat	Puther Pz			-0.75	
342.	Panipat	Sanauli Khurd-Pz	0.63		-0.32	
343.	Panipat	Shahpur	-0.87			
344.	Panipat	Sink	-0.53		-3.86	
345.	Panipat	Untilya	-1.33		-1.02	-0.95
346.	Panipat	Urlana Kalan	-0.86		-1.86	-0.45
347.	Rewari	Bahu	0.43		-7.20	0.30
348.	Rewari	Balawas				0.90
349.	Rewari	Bawal Dw	3.62		3.36	-0.85
350.	Rewari	Bawal Pz	-1.20		-2.90	
351.	Rewari	Berli Khurd-Dw				-0.20
352.	Rewari	Bhakli-Dw				-0.30
353.	Rewari	Bharangi-Dw				-0.80
354.	Rewari	Dhana Alampur-Dw				-1.40
355.	Rewari	Garhi-Dw				-0.54
356.	Rewari	Gurkawas-Dw				-1.00
357.	Rewari	Hansaka-Dw				9.20
358.	Rewari	Harinagar-Dw				4.05
359.	Rewari	Jatuwas-Dw				-0.30
360.	Rewari	Juddi-Dw				-0.84
361.	Rewari	Karnawas	-1.54		-0.81	-0.30
362.	Rewari	Karoli-Dw				-0.40
363.	Rewari	Khera Bahu-Dw				-10.08
364.	Rewari	Kumbhawas-Dw				-0.50
365.	Rewari	Mandola-Pz	-4.25		-2.15	-1.10
366.	Rewari	Mubarikpur-Dw				-0.75
367.	Rewari	Nangal Mundi-Dw				0.05
368.	Rewari	Palhawas-Dw				-0.75
369.	Rewari	Pali-Pz				-1.00
370.	Rewari	Ratanthal-Dw				1.30
371.	Rewari	Rholiawas-Pz			-2.45	
372.	Rewari	Rohrai-Dw				0.45

373.	Rewari	Sangwari			-0.15	
374.	Rewari	Shadipur-Dw				0.05
375.	Rewari	Sudharana-Dw				-1.17
376.	Rohtak	Ajaib-Dw				-0.06
377.	Rohtak	Assan-Dw				-1.29
378.	Rohtak	Atail-Dw				-0.28
379.	Rohtak	Baland	-0.73		0.41	0.05
380.	Rohtak	Baliana-Dw				0.08
381.	Rohtak	Bhal Anandpur	0.02		2.19	0.19
382.	Rohtak	Bhalaut				-0.14
383.	Rohtak	Bharain-Dw				-0.23
384.	Rohtak	Giji-Dw				-0.34
385.	Rohtak	Hassangarh		1.70	1.24	0.90
386.	Rohtak	Kalanaur				-0.72
387.	Rohtak	Kanheli-Dw				-0.61
388.	Rohtak	Kansala	-0.24		0.89	0.04
389.	Rohtak	Kharawar	-1.04		0.22	-0.40
390.	Rohtak	Kherari-Dw				-0.73
391.	Rohtak	Kiloi-Dw				0.55
392.	Rohtak	Lahli-Dw				-0.61
393.	Rohtak	Lakhan Majara	0.16		0.32	0.33
394.	Rohtak	Madina	-0.18		-0.32	-0.52
395.	Rohtak	Mahem			-1.27	
396.	Rohtak	Makhrauli Khurd				0.59
397.	Rohtak	Meham				-3.68
398.	Rohtak	Muradpur Tekna-Dw				-0.60
399.	Rohtak	Nidhana				-0.54
400.	Rohtak	Ritoli-Dw				-0.11
401.	Rohtak	Rohtak				-0.21
402.	Rohtak	Samargopalpur	1.06		-0.20	0.02
403.	Rohtak	Sampla	0.17		-1.63	
404.	Rohtak	Sampla-Pz			-0.06	-0.08
405.	Rohtak	Sundana-Dw				-0.89
406.	Rohtak	Tiloli-Dw				0.52
407.	Sirsa	Bhuratwala-Pz	-1.44		-0.38	
408.	Sirsa	Chormar	-0.54		-0.24	
409.	Sirsa	Chotala-Pz	-1.38		0.10	
410.	Sirsa	Dabwali Dw			0.12	

411.	Sirsa	Dabwali -Pz S	-3.99		-0.55	
412.	Sirsa	Darba Kalan-Pz	0.77	0.33	0.02	0.23
413.	Sirsa	Ding	-0.60		-0.45	
414.	Sirsa	Ganga			-5.14	
415.	Sirsa	Ghushiana	-0.01	-0.46	0.24	
416.	Sirsa	Gigorani	-0.47		-0.14	
417.	Sirsa	Goriwala	-1.05		0.09	
418.	Sirsa	Jamal	-0.77		0.57	
419.	Sirsa	Jamal- Pz	0.12			
420.	Sirsa	Kalanwali Mandi- Pz	-0.75		-0.42	
421.	Sirsa	Kaluwana	-0.14		0.93	
422.	Sirsa	Karamsana	-0.74	0.45	1.53	
423.	Sirsa	Kash Ram Dhab			5.68	
424.	Sirsa	Khuiyan			2.12	
425.	Sirsa	Mammer Khera- Pz	-1.08			
426.	Sirsa	Mangala-Pz	-1.30			
427.	Sirsa	Manjiyana	-0.42			
428.	Sirsa	Mastian			0.46	
429.	Sirsa	Mithri	0.45		-0.15	
430.	Sirsa	Nuhian Wali	0.85		-0.22	
431.	Sirsa	Odhan Pz	-3.23		-1.08	
432.	Sirsa	Panniwala Mota	-2.95	0.14	-0.74	
433.	Sirsa	Phaggu-Pz	-1.21		-0.54	
434.	Sirsa	Rasalia Khera	-0.05	0.23	-0.21	
435.	Sirsa	Rori -Dw			-3.29	
436.	Sirsa	Saktakhera	-0.40		0.59	-2.78
437.	Sirsa	Shergarh-Dw			0.85	
438.	Sirsa	Sherpura	0.13	0.34	0.19	0.29
439.	Sirsa	Sirsa-Pz			-1.28	
440.	Sirsa	Sri Jiwan Nagar-B	-3.30		-1.17	
441.	Sirsa	Taruwana			-0.07	
442.	Sirsa	Tejakhara	-0.65		-1.25	
443.	Sonipat	Ahmadpur Majra-Dw				-0.08
444.	Sonipat	Ahulana	-1.55	-1.78	-2.53	1.58
445.	Sonipat	Anandpur-Jarot-Dw				-0.31
446.	Sonipat	Anwali-Pz				-1.64
447.	Sonipat	Bagru-Dw				0.28
448.	Sonipat	Banwasa-Dw				0.49
449.	Sonipat	Barauli-Pz			6.93	

450.	Sonipat	Barona-Dw				-0.09
451.	Sonipat	Barswani- Dw			0.46	-0.67
452.	Sonipat	Barwasni Pz (S)	-4.04		1.25	
453.	Sonipat	Bega Pz			2.06	-0.99
454.	Sonipat	Bhainswal	-0.59		-0.55	
455.	Sonipat	Bhunderi	-0.90		-0.09	
456.	Sonipat	Bichpuri1			-0.45	
457.	Sonipat	Bidhlan-Dw				-2.10
458.	Sonipat	Bohela	-0.88		-0.54	
459.	Sonipat	Butana	-0.77	-1.12	0.23	
460.	Sonipat	Chhapra-Dw				-0.37
461.	Sonipat	Chirana	-3.50			
462.	Sonipat	Chitana-Dw				-0.04
463.	Sonipat	Datauli-Pz	-1.01		-1.40	
464.	Sonipat	Farmana	-0.48		-0.65	-0.31
465.	Sonipat	Gangana-Dw				0.64
466.	Sonipat	Garhwal	-0.28		0.49	
467.	Sonipat	Gohana Pz			-0.10	0.50
468.	Sonipat	Gorar-Dw				0.37
469.	Sonipat	Jagsi	-0.36		0.12	-0.12
470.	Sonipat	Janti Khurd-Pz			-5.70	
471.	Sonipat	Jhakauli- Pz	-0.98		-2.21	7.44
472.	Sonipat	Juan-Dw				-1.80
473.	Sonipat	Kathura				0.14
474.	Sonipat	Kathura Pz	0.10		0.58	-0.34
475.	Sonipat	Khanda-Dw				-0.49
476.	Sonipat	Khanpur Kalan-Pz	-0.29		2.69	
477.	Sonipat	Kheorapz	-1.70		-0.20	-1.38
478.	Sonipat	Kheri Gujjar-Pz				-1.37
479.	Sonipat	Ladpur-Pz				-2.77
480.	Sonipat	Larsauli-Pz				-4.69
481.	Sonipat	Lath	0.13		0.55	0.83
482.	Sonipat	Machhri	-1.67		-1.62	
483.	Sonipat	Mahara	-1.69		-1.53	
484.	Sonipat	Mattand-Dw				-0.13
485.	Sonipat	Mohana Pzm	-1.07		-0.30	
486.	Sonipat	Mundlana Dw	0.57			
487.	Sonipat	Mundlana- Pz			2.51	-1.65
488.	Sonipat	Murthal-Pz	-3.84	-0.25	-0.92	0.91
489.	Sonipat	Nahri	-0.10	2.37	-0.17	-2.96

490.	Sonipat	Nizaimpur				-0.94
491.	Sonipat	Pinana	-1.21		0.11	
492.	Sonipat	Pipli-Dw				-0.36
493.	Sonipat	Pugthala-Pz	-0.44		1.07	0.15
494.	Sonipat	Purkhas-Pz	-2.98			0.66
495.	Sonipat	Rai(Bahalgarh)				-1.58
496.	Sonipat	Rasoi Pz			-0.17	
497.	Sonipat	Rathdhana-Pz	-1.03		-1.39	-1.06
498.	Sonipat	Rohat	0.00		3.45	-0.90
499.	Sonipat	Rukhi-Pz	-0.11	0.72	1.30	-0.43
500.	Sonipat	Safiabad-Pz				-1.48
501.	Sonipat	Sisnah	-0.13		0.55	
502.	Sonipat	Sonepat				-1.02
503.	Sonipat	Tihar Malikpur-Dw				-1.20
504.	Yamunanagar	Bhambauli-1 (M)	-6.48			
505.	Yamunanagar	Bilaspur Dw	-0.43			
506.	Yamunanagar	Chhachrauli S	-0.27		2.90	
507.	Yamunanagar	Choli	0.23		0.27	1.71
508.	Yamunanagar	Dhaurang S	-0.99		-0.17	
509.	Yamunanagar	Jhiwarheri S			-0.91	
510.	Yamunanagar	Khizrabad	-1.42		0.17	
511.	Yamunanagar	Mustafabad Dw	1.30		0.90	0.67
512.	Yamunanagar	Mustafabad-Pz	0.50		0.77	
513.	Yamunanagar	Naggal-S	-1.10		-0.17	
514.	Yamunanagar	Radaur S	-0.38			
515.	Yamunanagar	Rasulpur	-1.24			
516.	Yamunanagar	Rasulpur Dw			0.24	
517.	Yamunanagar	Sabri	-0.12		0.20	
518.	Yamunanagar	Sadhaura Dw	-0.65			
519.	Yamunanagar	Sadhaura S	-2.11		-1.35	
520.	Yamunanagar	Shadipur	-0.28		-0.05	

ANNEXURE III

S. No.	District	Location	Annual water level fluctuation (m)			
			MAY2014- May 2015	AUG. 2014- AUG. 2015	NOV. 2014- NOV. 2015	JAN. 2015- JAN. 2016
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1.	Ambala	Ambala Cantt	2.31		0.47	
2.	Ambala	Ambala Cantt-Pz			2.01	
3.	Ambala	Ambala City-DW			0.10	
4.	Ambala	Barara S			0.40	
5.	Ambala	Barara-Pz			1.02	
6.	Ambala	Bhuragnpur-DW			0.50	
7.	Ambala	Bhurewala-Pz			1.27	
8.	Ambala	Bichali Dhamouli-Pz			0.60	
9.	Ambala	Churmastpur-DW			3.92	
10.	Ambala	Dhanaura	-0.92	1.42	2.38	1.87
11.	Ambala	Jauli-DW			1.75	
12.	Ambala	Kakru	0.05	0.47	0.64	0.06
13.	Ambala	Khanahmadpur	-1.35	2.96	0.97	2.70
14.	Ambala	Mohra-DW			1.85	
15.	Ambala	Mulana			0.82	
16.	Ambala	Naraingarh			-0.71	
17.	Ambala	Naraingarh-Pz			-12.23	
18.	Ambala	Nasirpur-Pz			0.10	
19.	Ambala	Nikuwana-DW			-0.51	
20.	Ambala	Panjokhra	-1.21	1.11	0.73	1.31
21.	Ambala	Pinjola	-3.35	1.26	1.26	0.76
22.	Ambala	Saha-Pz			0.02	
23.	Ambala	Shahpur-DW			1.95	
24.	Ambala	Shahzadpur	-0.70		0.70	
25.	Ambala	Shahzadpur-Pz			1.08	
26.	Ambala	Tejan-DW			1.15	
27.	Ambala	Ugala S			0.10	
28.	Bhiwani	Adampur			1.97	
29.	Bhiwani	Alak Pura-DW			0.59	
30.	Bhiwani	Alampur-DW			0.50	
31.	Bhiwani	Badala			-0.01	
32.	Bhiwani	Bajina	-0.45	0.60	0.07	-0.06
33.	Bhiwani	Bamla	0.17		-0.12	-0.22
34.	Bhiwani	Baundkalan	-0.61	1.41	0.68	0.64
35.	Bhiwani	Bhawani khera DW	-2.35		3.04	

36.	Bhiwani	Bhawani Khera Pz			0.80	
37.	Bhiwani	Bhiwani			-0.82	
38.	Bhiwani	Bohal	-0.75	2.35	0.92	0.85
39.	Bhiwani	Chirya	1.22	0.75	0.01	-1.25
40.	Bhiwani	Dadri			0.55	
41.	Bhiwani	Dadri-Pz			0.47	
42.	Bhiwani	Dhanana			0.33	0.26
43.	Bhiwani	Gopi			0.03	
44.	Bhiwani	Gurera		-0.54	-0.72	-0.52
45.	Bhiwani	Gurera-pz			-0.02	
46.	Bhiwani	Haluwas	-0.15		0.42	0.24
47.	Bhiwani	Imlota			0.88	
48.	Bhiwani	Isharwal			0.18	
49.	Bhiwani	Jhumpa	0.05	-0.05	0.27	
50.	Bhiwani	Jhumpa Kalan			2.08	1.73
51.	Bhiwani	Jitwanwas-DW			0.22	
52.	Bhiwani	Juikalan			-0.59	
53.	Bhiwani	Kasni kalan			-0.08	
54.	Bhiwani	Lachhmanpur			-0.19	
55.	Bhiwani	Lohani		-0.04	-3.31	-0.28
56.	Bhiwani	Manhairu	-0.29		0.01	
57.	Bhiwani	Mehrana			-0.19	
58.	Bhiwani	Miran			-0.07	
59.	Bhiwani	Miran-Pz			0.45	
60.	Bhiwani	Nayaatela	-1.40	-0.35	-1.29	
61.	Bhiwani	Pehladgarh-DW			0.12	
62.	Bhiwani	Riwasa-DW			-1.10	
63.	Bhiwani	Runhat-DW			0.15	
64.	Bhiwani	Sanwar			-0.18	
65.	Bhiwani	Singhani-pz			-0.85	
66.	Bhiwani	Sirsa-DW			-0.05	
67.	Bhiwani	Siwani	-0.01	1.06	0.41	0.31
68.	Bhiwani	Sui	-0.10	-0.25	-0.51	0.50
69.	Bhiwani	Sungarpur			0.08	
70.	Bhiwani	Tigrana-DW			0.06	
71.	Bhiwani	Tosham			0.49	0.39
72.	Bhiwani	Tosham-Pz	-0.13		0.77	
73.	Bhiwani	Unn-DW			1.10	
74.	Faridabad	Badraun			1.62	
75.	Faridabad	Baghaura	-0.37		0.36	

76.	Faridabad	Ballabgarh			1.43	1.59
77.	Faridabad	Bamnikhera			0.02	-0.08
78.	Faridabad	Banchari-DW			-0.06	-0.25
79.	Faridabad	Barauli-Pz			-0.91	
80.	Faridabad	Bazida Pahar-DW			-0.07	
81.	Faridabad	Bhiduki-DW			-0.05	-0.40
82.	Faridabad	Bhopani			4.13	0.15
83.	Faridabad	Bibipur-DW			-0.10	-0.30
84.	Faridabad	Dighaut			-2.30	-1.61
85.	Faridabad	Gulawad-DW			0.04	
86.	Faridabad	Hasan pur			0.32	
87.	Faridabad	Hathin			-0.07	-0.23
88.	Faridabad	Hodel			-0.22	
89.	Faridabad	Khambi			0.25	
90.	Faridabad	Kheri Jamalpur-DW				-0.30
91.	Faridabad	Lakhnaka			-2.54	
92.	Faridabad	Lalwa			-0.13	
93.	Faridabad	Mandkola			-0.11	-0.58
94.	Faridabad	Manjhawali-DW				-0.55
95.	Faridabad	Nangal Jat-DW			0.05	-0.20
96.	Faridabad	Pali2			-3.59	8.41
97.	Faridabad	Palwal			1.21	0.68
98.	Faridabad	Pehladpur-Pz			0.33	
99.	Faridabad	Pelak-Pz			-0.07	-0.25
100.	Faridabad	Phulwari-DW			-0.10	-0.25
101.	Faridabad	Pirgarhi- Pz			0.17	
102.	Faridabad	Rasul Pur			0.09	-0.66
103.	Faridabad	Sanped-DW				-0.20
104.	Faridabad	Sarai-DW			-0.08	-0.25
105.	Faridabad	Sikri1				0.50
106.	Faridabad	Tumsara	-2.20		0.25	4.18
107.	Fatehabad	Aharwan S				2.91
108.	Fatehabad	Badopal	0.23	-0.17	0.95	0.85
109.	Fatehabad	Bhattukalan	0.12		-0.17	
110.	Fatehabad	Bhodiakhera	-0.50		0.25	
111.	Fatehabad	Bhuna	-1.02		-0.30	
112.	Fatehabad	Chindhar-DW	0.25		-1.45	
113.	Fatehabad	Dayar1	1.42		-1.12	-1.42
114.	Fatehabad	Dhangar-DW	1.40			
115.	Fatehabad	Dhingsara	-2.15		-0.05	-0.30

116.	Fatehabad	Gorakhpur-DW	0.30			0.40
117.	Fatehabad	Hukmawali-Pz	-0.80		-2.14	-2.30
118.	Fatehabad	Jandli Kalan	1.69		-0.13	-2.91
119.	Fatehabad	Kajal Heri-DW	0.08		-0.10	0.05
120.	Fatehabad	Kanhari-Pz	-0.60		-0.24	0.71
121.	Fatehabad	Khara Kheri-DW	-0.85		0.50	
122.	Fatehabad	Machiwali-DW	0.15		-1.75	-1.75
123.	Fatehabad	Mehu Wala Pz	-0.60		0.38	-1.62
124.	Fatehabad	Munshiwali-Pz	-0.45		28.45	
125.	Fatehabad	Nagpur- Pz	-1.35		-3.45	-3.25
126.	Fatehabad	Nahla	0.11	1.35	-0.66	0.56
127.	Fatehabad	Nangla-DW	-0.40		0.78	1.73
128.	Fatehabad	Nikuwana-Pz	-0.85		1.65	1.69
129.	Fatehabad	Pilimudari	-0.28		-0.32	-0.39
130.	Fatehabad	Ratia -Pz	-0.40		-1.20	-1.65
131.	Fatehabad	Ratta Khera-Pz	-0.65		0.80	0.05
132.	Fatehabad	Sadalpur	-0.30		0.90	0.25
133.	Fatehabad	Samain			-0.15	-3.84
134.	Fatehabad	Shekhpur Daroli-DW	-0.18		-0.02	-0.44
135.	Fatehabad	Tohana	-1.02	-0.18	-0.46	2.05
136.	Gurgaon	Agaon-Pz				-0.40
137.	Gurgaon	Akaira	0.64		0.16	0.86
138.	Gurgaon	Akbarpur	0.14			
139.	Gurgaon	Aminabad-DW			-0.05	-0.15
140.	Gurgaon	Badsahapur Ew			-0.12	-0.56
141.	Gurgaon	Bandhwari			-0.05	-0.35
142.	Gurgaon	Basonda Tripati-Pz			-1.30	-1.60
143.	Gurgaon	Bhadas-DW			0.20	0.05
144.	Gurgaon	Bhondsi Ew			-3.02	-3.35
145.	Gurgaon	Bhora Kalan-Pz			-1.75	-2.40
146.	Gurgaon	Bilaspur-Pz			0.05	-0.90
147.	Gurgaon	Budehra-DW			-0.15	0.25
148.	Gurgaon	Chandu Tikly			0.42	-1.16
149.	Gurgaon	Daultabad-Pz				0.40
150.	Gurgaon	Farrukh Nagar-Pz			0.05	-0.05
151.	Gurgaon	Fazilpur Badli-Pz	0.70		-1.34	-1.95
152.	Gurgaon	Firozpur Jhirka			0.70	0.40
153.	Gurgaon	Gangola-DW			0.35	-0.15
154.	Gurgaon	Gudhana-Pz			2.25	1.85

155.	Gurgaon	Gulaltha			-0.08	
156.	Gurgaon	Gurgaon Pz			0.14	0.72
157.	Gurgaon	Haila Mandi			-0.20	-0.45
158.	Gurgaon	Harchandpur Pz			-0.10	-0.80
159.	Gurgaon	Indri			1.27	
160.	Gurgaon	Jamalpur-Pz			1.84	1.51
161.	Gurgaon	Jaraon Pz			0.34	-0.43
162.	Gurgaon	Jhandu Sarai-Pz			-5.38	-7.10
163.	Gurgaon	Kadipur			6.90	6.85
164.	Gurgaon	Kasan			-0.15	-0.20
165.	Gurgaon	Khera Khurrampur-Pz	2.55		-0.08	
166.	Gurgaon	Kherla				-0.20
167.	Gurgaon	Luhingakalan			-0.02	-0.35
168.	Gurgaon	Malab			0.77	-0.02
169.	Gurgaon	Meoka-Pz			2.39	
170.	Gurgaon	Mouzabad			-0.16	4.84
171.	Gurgaon	Mubarakpur			-0.20	-0.25
172.	Gurgaon	Nagina			0.43	1.79
173.	Gurgaon	Naharika-Pz			-0.10	-0.35
174.	Gurgaon	Nuh1			0.30	
175.	Gurgaon	Pataudi-Pz			-0.15	-0.40
176.	Gurgaon	Pinangwan-Pz			-0.23	-0.40
177.	Gurgaon	Pipaka			-0.15	
178.	Gurgaon	Pipaka-Shashola			0.85	
179.	Gurgaon	Punhana			-0.05	-0.35
180.	Gurgaon	Punhana-Pz			-0.17	-0.35
181.	Gurgaon	Rathiwas			-0.12	-0.40
182.	Gurgaon	Sarauli-DW			-0.15	-0.35
183.	Gurgaon	Sidrawali-Pz			-0.82	-0.97
184.	Gurgaon	Sikarwa			-0.70	-0.90
185.	Gurgaon	Siwari-Pz	-2.70			
186.	Gurgaon	Sohna			-2.01	-2.53
187.	Gurgaon	Wazirpur-Pz			0.03	-0.32
188.	Hisar	Adampur S	0.15		0.10	-0.11
189.	Hisar	Adampur-Pz	0.30		0.01	0.07
190.	Hisar	Agroha abd	0.45		-0.35	
191.	Hisar	Agroha-Pz			0.24	-3.22
192.	Hisar	Badchappar	-0.80		0.05	
193.	Hisar	Balawas1	-0.70		0.08	6.60
194.	Hisar	Balsamand	2.50		0.14	0.35

195.	Hisar	Banbhauri-Pz	0.35			0.35
196.	Hisar	Barwala1				7.00
197.	Hisar	Barwala-Pz	-3.36		3.06	-1.94
198.	Hisar	Bas		0.01	0.10	0.80
199.	Hisar	Basra	-0.84	0.54	0.20	
200.	Hisar	Behbalpur-Pz	-0.29		-0.09	
201.	Hisar	Bhotal Jattan-DW	-0.25		0.20	0.20
202.	Hisar	Bithmara-DW	-0.52			-1.00
203.	Hisar	Chanaut	0.83		0.30	
204.	Hisar	Chann-DW	-0.05		0.52	-0.35
205.	Hisar	Chaudhriwali	-2.65		2.85	1.85
206.	Hisar	Chawdhariwas	-0.30	0.90	0.36	0.60
207.	Hisar	Datta-DW	0.05		1.00	
208.	Hisar	Deva-DW	1.65		0.31	-1.40
209.	Hisar	Dhamundicross				-0.22
210.	Hisar	Dhand-DW	0.08			-1.76
211.	Hisar	Dhansu			0.18	
212.	Hisar	Durjanpur-Pz	0.92		0.15	
213.	Hisar	Ghursal-Pz	1.32		-1.20	-1.27
214.	Hisar	Gurana	0.99		0.20	0.35
215.	Hisar	Hissar		2.48		3.07
216.	Hisar	Hissar-Pz	0.75		0.22	
217.	Hisar	Jaga Bara-DW	-5.10		-0.10	-0.30
218.	Hisar	Juglan		0.70	2.24	6.11
219.	Hisar	Khanda Kheri-Pz			-0.25	0.17
220.	Hisar	Kherijalab	0.00		-0.40	-0.47
221.	Hisar	Kherijalab-Pz	1.85		-2.08	-2.41
222.	Hisar	Khotkalan	0.67	-0.87	-0.17	-0.97
223.	Hisar	Kirori	-0.48		-0.12	-0.30
224.	Hisar	Kirtan	1.30	-1.40	0.09	-1.60
225.	Hisar	Ladwi-DW	0.25		0.15	0.25
226.	Hisar	Litani-DW	-1.07		0.77	1.00
227.	Hisar	Mangali-Pz	0.30	0.25	0.08	-0.01
228.	Hisar	Mehanda-DW	-0.05		0.12	-0.10
229.	Hisar	Mirka	-0.47	1.45	2.66	
230.	Hisar	Moda Khera-DW	6.12		-0.70	-0.80
231.	Hisar	Mothmajri	-1.35	0.00	0.15	0.10
232.	Hisar	Narnaud S				-4.43
233.	Hisar	Pali-DW	-4.80		-0.40	-0.40
234.	Hisar	Petwar-DW	-0.10		0.10	

235.	Hisar	Rajthal1	2.10		-5.97	0.00
236.	Hisar	Sorkhi-Pz		0.15	-0.65	
237.	Hisar	Talwani Badshahpur-DW	1.80		0.17	0.13
238.	Hisar	Talwani Rana- DW	-5.90		3.00	
239.	Hisar	Thurana-DW	-0.35		-8.65	0.20
240.	Hisar	Umra			-0.10	-1.78
241.	Jhajjar	Asanda-DW	-0.05		0.31	
242.	Jhajjar	Badli	0.10		0.21	-0.09
243.	Jhajjar	Bagoa	-0.49		1.02	
244.	Jhajjar	Beri	0.80		0.20	0.14
245.	Jhajjar	Chamanpura	0.78	-0.38	0.78	0.32
246.	Jhajjar	Chhara	0.10	0.35	-0.21	1.50
247.	Jhajjar	Chuchakwas	-0.11	0.31	0.11	0.01
248.	Jhajjar	Dubhaldhan	-1.63		0.88	
249.	Jhajjar	Dulhera	1.66	0.89	0.31	-0.16
250.	Jhajjar	Gabhana			-0.33	
251.	Jhajjar	Goria-DW	-0.39		-0.19	-0.35
252.	Jhajjar	Hasanpur			-3.53	
253.	Jhajjar	Jhajjar	1.17	1.82	0.79	2.78
254.	Jhajjar	Jhajjar1	0.01		0.29	0.02
255.	Jhajjar	Jharli	0.40		0.08	-0.47
256.	Jhajjar	Kaliawas- DW	-0.14			-0.10
257.	Jhajjar	Kamalgarh-DW	-0.28		-0.06	-0.27
258.	Jhajjar	Kheri Asra DW	0.52		0.12	-0.24
259.	Jhajjar	Kherka Gujjar- DW	-1.08		-0.48	0.12
260.	Jhajjar	Kulasi	-0.17	-0.78	0.22	-0.03
261.	Jhajjar	Lakeria- DW	-0.56		0.48	0.28
262.	Jhajjar	Matanhail-Pz	-0.39		0.09	0.23
263.	Jhajjar	Mudsa			0.47	-0.21
264.	Jhajjar	Salhawas	-0.03		-0.64	
265.	Jhajjar	Sankol			0.37	
266.	Jhajjar	Sasroli-DW	0.08		-0.67	-0.50
267.	Jhajjar	Silana-DW	0.30		0.46	2.45
268.	Jhajjar	Subnah	4.57		1.33	-3.62
269.	Jhajjar	Wazirpur			0.47	
270.	Jhajjar	Yaqubpur	-0.04		0.73	1.03
271.	Jind	Alewa				-2.80
272.	Jind	Alewa Pz				-1.15
273.	Jind	Anta-Pz	0.60		-1.00	-0.60

274.	Jind	Baroda	-0.80		-2.70	-0.90
275.	Jind	Belrakha				0.20
276.	Jind	Bhambewa-DW	-0.20		0.10	0.35
277.	Jind	Bhana Barahman-DW	-0.60		0.60	0.85
278.	Jind	Bhongra-Dw	0.40		-0.90	-2.00
279.	Jind	Bhuslana-Pz	-1.29		-1.42	-1.91
280.	Jind	Bibipur-OW			-1.00	-0.60
281.	Jind	Brahmanwas		0.58	0.56	
282.	Jind	Chhabri	-0.36		0.63	
283.	Jind	Dalamwala-DW	-5.25		-1.30	-0.95
284.	Jind	Danoda Khurd- Pz	-0.95		0.00	-0.10
285.	Jind	Dhigana-DW	-0.50		1.00	0.80
286.	Jind	Dorana Pz	2.09			-2.64
287.	Jind	Ganda Khera- DW	-0.30		-0.20	-1.00
288.	Jind	Gangoli-DW	-0.80		0.70	1.20
289.	Jind	Gurusar-DW	-1.30		-0.50	-0.50
290.	Jind	Hasanpur-Pz	1.05		-1.45	-2.15
291.	Jind	Igra			-0.70	-0.40
292.	Jind	Jamni-DW	-1.95		-3.04	-2.70
293.	Jind	Jhamula	0.39	-0.82	0.26	-0.14
294.	Jind	Jhanj Kalan	-4.59		-0.16	0.09
295.	Jind	Jind-Pz	-0.45			-0.90
296.	Jind	Julana Pz	-1.33		0.67	0.68
297.	Jind	Kalwan-Pz	0.20		-0.60	-0.75
298.	Jind	Kandela-Pz			-1.40	-1.20
299.	Jind	Karela-DW	-0.30		0.10	0.30
300.	Jind	Karsola-DW	-0.20		0.30	-0.05
301.	Jind	Khatkaran	0.06		-0.68	
302.	Jind	Korar	-2.21		-2.51	-2.03
303.	Jind	Lajwana Kalan	-0.15		0.70	0.80
304.	Jind	Lochap Pz	-2.06		-2.09	-4.79
305.	Jind	Ludhana	-0.29		0.15	0.30
306.	Jind	Mandi Kalan-DW	-0.20		0.30	-0.30
307.	Jind	Mohal Khera Pz			-2.03	
308.	Jind	Narwana S				0.25
309.	Jind	Narwana S-Pz	-0.25		0.10	-6.60
310.	Jind	Pega-DW	2.23		-0.60	
311.	Jind	Pillukhera				0.75
312.	Jind	Pillukhera-Pz	-0.80		0.40	-1.00

313.	Jind	Pipaltha-Pz	0.00		-1.00	-2.90
314.	Jind	Pokerikheri-Pz				-2.30
315.	Jind	Rajpura-Pz				-1.20
316.	Jind	Rasidan Pz	0.20		-0.90	
317.	Jind	Safidon (s)	-0.98		-0.57	0.23
318.	Jind	Safidon 1(s)	0.76		-2.19	-1.91
319.	Jind	Sahanpur-Pz	-0.60		-0.90	-0.55
320.	Jind	Uchana	0.70	-0.10	0.14	-0.10
321.	Jind	Uchana Pz	-1.78		-0.38	3.03
322.	Kaithal	Bakal-DW	0			
323.	Kaithal	Barsana-Pz			-1.20	
324.	Kaithal	Bhana-Pz			-1.30	
325.	Kaithal	Chika-Pz			-2.05	
326.	Kaithal	Dhandh-Pz			-2.10	
327.	Kaithal	Dhons-Pz			-1.00	
328.	Kaithal	Guhna	1.59		-5.99	-4.49
329.	Kaithal	Harigarh Kingan-Pz			-2.15	
330.	Kaithal	Jakhauli-Pz	-0.11	-1.69	-1.28	
331.	Kaithal	Jandaula-Pz			-3.36	
332.	Kaithal	Kaithal S			-1.00	
333.	Kaithal	Kalayath S			0.01	
334.	Kaithal	Kalesar-DW			-0.64	
335.	Kaithal	Kathana-Pz		-0.47	-1.02	
336.	Kaithal	Kaul-Pz			1.00	
337.	Kaithal	Kelaram			-1.02	
338.	Kaithal	Kheorak-Pz			-2.40	
339.	Kaithal	Kheri Lamba-DW			0.37	
340.	Kaithal	Kheri Raowali-DW			-0.81	
341.	Kaithal	Manaspatti-Pz	-2.30	3.10	2.04	
342.	Kaithal	Mataur		0.50	0.50	
343.	Kaithal	Mundri			-1.76	-1.11
344.	Kaithal	Padla 1(s)			-5.00	
345.	Kaithal	Pai-DW			-1.30	
346.	Kaithal	Peoda_Pz			3.20	
347.	Kaithal	Rajaund-Pz			-0.60	
348.	Kaithal	Rasulpur Ghamri-Pz			-0.20	
349.	Kaithal	Sirsal-Pz			-0.93	-0.16
350.	Kaithal	Siwan-Pz			-1.45	
351.	Kaithal	Solu Majra-Pz			-2.10	
352.	Kaithal	Songri-DW			-0.15	
353.	Kaithal	Tik			0	
354.	Karnal	Ajanthali-Pz			0	

355.	Karnal	Anchla-Pz	-1.20		1.08	
356.	Karnal	Anjanthali-Pz	-1.17		-1.49	
357.	Karnal	Assandh-Pz	-0.58			
358.	Karnal	Balhera-s			-0.92	
359.	Karnal	Bastali	-1.26		-1.94	
360.	Karnal	Budanpur-Pz	-1.20			
361.	Karnal	Chorkharsa-Pz	-0.92		-3.63	
362.	Karnal	Dadupur Khurd-Pz	-1.60	-1.90	0.45	
363.	Karnal	Faridpur-Pz	1.09	-5.39	-5.24	-0.29
364.	Karnal	Gangatheri	-0.79	-4.39	0.07	
365.	Karnal	Garhi Khajur S			-1.05	
366.	Karnal	Ghiar-Pz	-0.28		-0.50	
367.	Karnal	Gondar-Pz	-1.20		-1.20	
368.	Karnal	Indri	-0.72		0.81	2.93
369.	Karnal	Jaisingh Pura-Dw	-0.49		-0.42	
370.	Karnal	Jalmana PZ	-0.11		0.12	
371.	Karnal	Jhanjari-Pz	-1.98		-0.98	
372.	Karnal	Jundla1	-0.83		-2.42	
373.	Karnal	Kachhwa Pz	-1.07		0.84	
374.	Karnal	Kalri Jagir S			-0.05	
375.	Karnal	Kurlan-Pz	-1.38		0.56	
376.	Karnal	Kutail S			-0.78	
377.	Karnal	Majra Roran			-1.98	
378.	Karnal	Manak Majra-Pz	-1.11		-0.51	
379.	Karnal	Mehmadpur-Pz	-0.91		0.38	
380.	Karnal	Mound S			-2.45	
381.	Karnal	Munak	-1.08		0.32	
382.	Karnal	Nalipur-Pz	-0.24		0.12	
383.	Karnal	Nanhera			0.27	
384.	Karnal	Nasirpur-Pz	-1.28		0.75	
385.	Karnal	Nisang-S	-1.43			
386.	Karnal	Padhana-DW	-1.14		0.01	
387.	Karnal	Phurlak S			-1.74	
388.	Karnal	Phusgarh-Pz	-1.23		0.67	
389.	Karnal	Rambha-Pz	-0.82		1.46	
390.	Karnal	Randauli-Pz	-1.27		0.71	
391.	Karnal	Rattak-Pz	-0.03		-0.12	
392.	Karnal	Sagga-Pz	-1.03		-1.64	
393.	Karnal	Salwan-B	-0.69		1.85	
394.	Karnal	Sambli-Pz-S	-0.37		-2.33	

395.	Karnal	Taraori-Pz	-0.97		-0.41	
396.	Karnal	Udana-Pz	-1.35		0.80	
397.	Kurukshetra	Adhoya-Pz			-1.90	
398.	Kurukshetra	Bachki-Pz			-2.43	-1.53
399.	Kurukshetra	Baronda-Pz	-1.10	-1.60	0.82	1.30
400.	Kurukshetra	Berthala S			-1.82	
401.	Kurukshetra	Bodhni (s)			-1.64	
402.	Kurukshetra	Chhapra-Pz			-1.10	
403.	Kurukshetra	Ishaque S			-2.72	
404.	Kurukshetra	Ismilabad-St-Pz			-2.10	
405.	Kurukshetra	Jogna Khera-Pz			-1.61	
406.	Kurukshetra	Kaulapur S			-3.82	
407.	Kurukshetra	Lohara-Pz			-0.70	
408.	Kurukshetra	Lukhi-Pz			-1.40	
409.	Kurukshetra	Mohri-Dw			-0.38	
410.	Kurukshetra	Mohri-Pz			-0.70	
411.	Kurukshetra	Naisi-Pz			-1.90	
412.	Kurukshetra	Ram Sharan Majra-Pz			-1.20	
413.	Kurukshetra	Samalkhi-Pz		2.31		2.51
414.	Kurukshetra	Sirsala-Pz			-2.99	
415.	Kurukshetra	Tangore-Pz			-1.30	
416.	Kurukshetra	Umri-Pz			-2.22	
417.	Mahendragarh	Atali-DW	-3.90		3.65	3.20
418.	Mahendragarh	Barda-DW	0.10		-0.60	-1.10
419.	Mahendragarh	Basirpur			0.35	
420.	Mahendragarh	Bayal			2.30	
421.	Mahendragarh	Buwana-Pz			-1.35	
422.	Mahendragarh	Datal-DW	0.40		0.15	-1.85
423.	Mahendragarh	Deroli Ahir			-7.85	
424.	Mahendragarh	Dhancholi-DW	0.85		-0.55	-1.30
425.	Mahendragarh	Faizabad-DW	1.15		-0.40	-2.70
426.	Mahendragarh	Kharkara Bas-DW	0.20			-2.05
427.	Mahendragarh	Khodma-DW	0.50		-0.10	-0.20
428.	Mahendragarh	Lukhi	-0.79			
429.	Mahendragarh	Nagal Kalia-DW	0.20		0.50	-0.45
430.	Mahendragarh	Narnaul	1.78	2.47	-2.13	-1.26
431.	Mahendragarh	Pachnota-DW	-0.70		1.20	1.15
432.	Mahendragarh	Pali-Pz			-0.05	-16.75
433.	Mahendragarh	Tazpur-Pz	-0.50			-0.70
434.	Panchkula	Devnagar(Panch	-1.02	1.01	0.25	1.02

		kula)				
435.	Panchkula	Dharampur			4.66	
436.	Panchkula	Hangola	-1.02		2.76	
437.	Panchkula	Jaspur-DW	2.16			
438.	Panchkula	Kakar Majra			0.92	
439.	Panchkula	Khera			1.22	
440.	Panchkula	Kheri-DW	-1.98		-0.62	
441.	Panchkula	Nadha-DW	-1.00			
442.	Panchkula	Parwala			-0.08	
443.	Panchkula	Patwi	3.60	-3.40	-3.12	-3.30
444.	Panchkula	Raipur Rani-Pz	-0.51			
445.	Panchkula	Raipurrani	-0.38		-12.17	
446.	Panchkula	Ram Nagar-DW	-1.50			
447.	Panchkula	Ramgarh-DW	-0.81			
448.	Panchkula	Toka-DW	-0.40			
449.	Panipat	Babail VS-Pz	-0.92		0.17	
450.	Panipat	Baholi-Pz	-1.44		0.45	
451.	Panipat	Bandh-Dw	-1.32		0.77	
452.	Panipat	Brahman Majra-Dw	-1.20		0.35	
453.	Panipat	Hathwala-Pz	0.40		1.85	
454.	Panipat	Israna Pz	-0.67		1.42	
455.	Panipat	Kaith-Dw	-1.25		0.70	
456.	Panipat	Karhansh Pz	-1.49		0.85	
457.	Panipat	Khalila Manjran	-0.90	3.35	1.78	0.80
458.	Panipat	Mehmadpur	-1.33		-0.40	
459.	Panipat	Nariana-PZ	-3.55		10.85	
460.	Panipat	Nimbri- Pz	0.25			
461.	Panipat	Patti Kalyana S			0.24	
462.	Panipat	Puther Pz	-1.53		-2.25	
463.	Panipat	Samalkha-Pz	-1.10		-1.76	
464.	Panipat	Sanauli Khurd-Pz	-1.90		1.48	
465.	Panipat	Sink			-2.84	
466.	Panipat	Untilya	-1.48		0.41	0.53
467.	Panipat	Urlana Kalan	0.04		-1.24	-0.49
468.	Rewari	Bahu	1.13		-5.97	-0.83
469.	Rewari	Balawas	0.20		-3.51	0.70
470.	Rewari	Bawal	-6.10			
471.	Rewari	Bawal DW	0.15		-0.80	-1.00
472.	Rewari	Bawal Pz			-2.10	-0.15
473.	Rewari	Berli Khurd-DW	0.10		0.20	-0.30

474.	Rewari	Bhakli-DW	0.85			-1.15
475.	Rewari	Dhana Alampur-DW	-0.80			-0.60
476.	Rewari	Garhi-DW	0.81		-0.21	-1.35
477.	Rewari	Gumina			0.40	
478.	Rewari	Gurkawas-DW	-0.90		0.60	-0.10
479.	Rewari	Hansaka-DW	9.80		-0.30	-0.60
480.	Rewari	Harinagar-DW	-0.40		-0.10	4.45
481.	Rewari	Jatusana			0.10	
482.	Rewari	Juddi-DW	0.45		-0.54	-1.29
483.	Rewari	Karnawas	-2.32		-0.25	2.02
484.	Rewari	Karoli-DW	0.60		-0.90	-1.00
485.	Rewari	Khol			-0.45	
486.	Rewari	Kumbhawas-DW	-0.10		-0.10	-0.40
487.	Rewari	Mandola-Pz	-0.60		-1.25	-0.50
488.	Rewari	Massani			-0.60	
489.	Rewari	Nahar			-0.75	
490.	Rewari	Nangal Mundi-DW	0.10		0.20	-0.05
491.	Rewari	Palhawas-DW	-0.60		0.90	-0.15
492.	Rewari	Ratanthal-DW	-0.55		1.80	1.85
493.	Rewari	Rewari			4.77	
494.	Rewari	Rholiawas-Pz			-1.59	
495.	Rewari	Rohrai-DW	0.10		0.69	0.35
496.	Rewari	Shadipur-DW	0.20		0.10	-0.15
497.	Rewari	Sudharana-DW	0.45		-2.81	-1.62
498.	Rohtak	Ajaib-DW	0.29		-0.20	-0.35
499.	Rohtak	Assan-DW	-1.08		0.42	-0.21
500.	Rohtak	Atail-DW	-0.19		0.41	-0.09
501.	Rohtak	Baland	-2.13		1.13	2.18
502.	Rohtak	Baliana-DW	-0.06		0.26	0.14
503.	Rohtak	Bhal Anandpur	-0.42		2.51	0.61
504.	Rohtak	Bhalaut	-1.00		0.97	0.86
505.	Rohtak	Bharain-DW	-0.35		0.54	0.12
506.	Rohtak	Giji-DW	-0.57		0.40	0.23
507.	Rohtak	Hassangarh	0.58	2.62	1.32	0.32
508.	Rohtak	Kalanaur	-1.00		1.05	0.28
509.	Rohtak	Kanheli-DW	-0.11		-0.71	-0.50
510.	Rohtak	Kansala	-1.13		1.64	1.17
511.	Rohtak	Kharawar	-0.77		0.67	0.37
512.	Rohtak	Kherari-DW	-0.50		0.13	-0.23

513.	Rohtak	Kiloi-DW	-0.07		0.78	0.62
514.	Rohtak	Lahli-DW	-0.41		0.25	-0.20
515.	Rohtak	Lakhan Majara	0.30		0.13	0.03
516.	Rohtak	Madina	-0.15		-0.20	-0.37
517.	Rohtak	Makhrauli Khurd	-0.08		0.91	0.67
518.	Rohtak	Meham	-1.60		1.25	-2.08
519.	Rohtak	Muradpur Tekna-DW	-1.63		1.43	1.03
520.	Rohtak	Nandal-DW				-0.18
521.	Rohtak	Nidhana	-0.56		0.80	0.02
522.	Rohtak	Ritoli-DW	-0.07		0.20	-0.04
523.	Rohtak	Rohtak	-1.35		1.31	1.14
524.	Rohtak	Rukhi			0.37	
525.	Rohtak	Samargopalpur	-0.25		-0.35	0.27
526.	Rohtak	Sampla			-1.55	-0.33
527.	Rohtak	Sampla-Pz	-0.35		0.20	0.27
528.	Rohtak	Sundana-DW	-3.28		3.10	2.39
529.	Rohtak	Tiloli-DW	-0.53		1.50	1.05
530.	Sirsa	Ali Mohmmad			0.00	
531.	Sirsa	Alikan			-0.73	0.00
532.	Sirsa	Bharu Khera-DW			-0.08	
533.	Sirsa	Bhuratwala-Pz			0.52	1.38
534.	Sirsa	Chaharwala			0.20	0.15
535.	Sirsa	Chilkani Dhab			0.00	-0.05
536.	Sirsa	Chormar			-0.46	
537.	Sirsa	Chotala		-1.29		-2.30
538.	Sirsa	Chotala-Pz			1.08	1.27
539.	Sirsa	Dabwali -Pz S			0.60	
540.	Sirsa	Darba Kalan-Pz	0.18	0.48	0.00	0.05
541.	Sirsa	Desu Jodha-DW			-0.12	-0.22
542.	Sirsa	Desu Malkana-DW			0.00	
543.	Sirsa	Dholpalia-DW			-0.30	0.01
544.	Sirsa	Ding			0.37	-0.48
545.	Sirsa	Ganga			0.00	2.00
546.	Sirsa	Ghushiana		-0.47	-0.57	1.44
547.	Sirsa	Gigorani			-0.65	0.29
548.	Sirsa	Goriwala			0.61	
549.	Sirsa	Govindgarh-DW			0.00	0.00
550.	Sirsa	Gudia Khera-DW			0.10	0.10
551.	Sirsa	Hasu			0.00	
552.	Sirsa	Jagiwala-DW			-0.12	-0.15

553.	Sirsa	Jamal			0.29	0.09
554.	Sirsa	Jamal- Pz			-0.08	
555.	Sirsa	Kairanwali-DW			0.05	0.05
556.	Sirsa	Kalanwali Mandi-Pz			-0.67	-0.09
557.	Sirsa	Kaluwana			0.55	
558.	Sirsa	Karamsana		0.68	1.76	1.06
559.	Sirsa	Khuiyan			1.73	-0.79
560.	Sirsa	Kurangwali			0.15	0.00
561.	Sirsa	Lohgarh			0.00	0.00
562.	Sirsa	Mammer Khera-Pz			0.09	
563.	Sirsa	Mangala-Pz		-5.10	-4.37	-1.80
564.	Sirsa	Mastian			0.16	
565.	Sirsa	Mithri			-1.37	-0.61
566.	Sirsa	Nuhian Wali			-0.93	
567.	Sirsa	Odhan Pz			2.18	
568.	Sirsa	Panniwala Mota		3.13	2.64	2.63
569.	Sirsa	Phaggu-Pz			0.44	
570.	Sirsa	Rasalia Khera		0.23	-0.20	-0.15
571.	Sirsa	Rori -DW			-0.57	0.92
572.	Sirsa	Sadewala			-0.15	-0.30
573.	Sirsa	Sainpal-Pz			-1.11	-0.50
574.	Sirsa	Saktakhera	-0.02	0.70	0.62	-2.76
575.	Sirsa	Sherpura	-0.02	0.33	0.19	0.31
576.	Sirsa	Sirsa-Pz			-4.62	
577.	Sirsa	Sri Jiwan Nagar-B			-1.25	
578.	Sirsa	Sukhchain-DW			1.06	0.00
579.	Sirsa	Tejakhera			0.15	-0.47
580.	Sirsa	Thiraj			0.00	-1.29
581.	Sirsa	Tigri-DW			-0.20	-0.15
582.	Sonipat	Ahmadpur Majra-DW	1.62		-2.65	-1.70
583.	Sonipat	Ahulana	0.88	-0.98	-0.83	0.70
584.	Sonipat	Anandpur-Jarot-DW	-0.37		0.46	0.06
585.	Sonipat	Anwali-Pz	-2.35		0.93	0.71
586.	Sonipat	Bagru-DW	-0.41		0.67	0.69
587.	Sonipat	Banwasa-DW	0.33		0.48	0.16
588.	Sonipat	Barauli-Pz			7.83	0.27
589.	Sonipat	Barona-DW	-0.82		1.29	0.73
590.	Sonipat	Barwasni Pz (s)			4.12	
591.	Sonipat	Bega Pz	-3.32		2.69	2.33

592.	Sonipat	Bhainswal			0.89	0.09
593.	Sonipat	Bhunderi			0.50	
594.	Sonipat	Bichpuri1			-1.75	
595.	Sonipat	Bidhlan-DW	-1.77		-0.17	-0.33
596.	Sonipat	Bohela			1.34	
597.	Sonipat	Butana		1.35	1.87	1.42
598.	Sonipat	Chhapra-DW	-0.41		0.38	0.04
599.	Sonipat	Chirana			2.58	
600.	Sonipat	Chitana-DW	-0.71		1.04	0.67
601.	Sonipat	Datauli-Pz		-1.20	-3.27	-0.81
602.	Sonipat	Farmana	-0.55		0.53	0.24
603.	Sonipat	Ganaur-Pz	-0.30		-2.20	
604.	Sonipat	Gangana-DW	-0.35		1.11	0.99
605.	Sonipat	Garhwal			0.64	0.65
606.	Sonipat	Gohana Pz	-0.10		0.15	0.60
607.	Sonipat	Gorar-DW	-0.26		1.08	0.63
608.	Sonipat	Jagsi	-1.02		1.08	0.90
609.	Sonipat	Janti Khurd-Pz			-5.21	
610.	Sonipat	Jhakauli- Pz	-0.06		-2.46	7.50
611.	Sonipat	Juan-DW	-0.50		-1.07	-1.30
612.	Sonipat	Kathura	0.11		0.56	0.03
613.	Sonipat	Kathura Pz	-1.23		1.03	0.89
614.	Sonipat	Khanda-DW	-0.30		0.06	-0.19
615.	Sonipat	Khanpur Kalan-Pz			1.09	
616.	Sonipat	KheoraPz	0.71		-1.20	-2.09
617.	Sonipat	Kheri Gujjar-Pz	0.20		-0.43	-1.57
618.	Sonipat	Ladpur-Pz	-0.90		-1.24	-1.87
619.	Sonipat	Larsauli-Pz	-2.23		-1.92	-2.46
620.	Sonipat	Lath	0.74		0.31	0.09
621.	Sonipat	Machhri		0.86	1.70	1.12
622.	Sonipat	Mahara	-0.60		-0.44	
623.	Sonipat	Mattand-DW	0.62		0.89	-0.75
624.	Sonipat	Mohana Pzm			-0.12	-0.50
625.	Sonipat	Mundlana DW	-0.64		0.93	
626.	Sonipat	Murthal-Pz	-2.41	3.55	2.83	3.32
627.	Sonipat	Nahri	-3.50	2.12	1.00	0.54
628.	Sonipat	Nizampur	-1.10		0.94	0.16
629.	Sonipat	Pinana			0.39	0.31
630.	Sonipat	Pipli-DW	-0.27		0.05	-0.09
631.	Sonipat	Pugthala-Pz	-0.11		0.91	0.26

632.	Sonipat	Purkhas-Pz	0.02			0.64
633.	Sonipat	Rai-Bahalgarh-Pz	0.34			-1.92
634.	Sonipat	Rasoi Pz			-0.10	
635.	Sonipat	Rathdhana-Pz	-0.71		-0.55	-0.35
636.	Sonipat	Rohat	0.83		0.48	-1.73
637.	Sonipat	Rukhi-Pz	-0.18	1.47	0.35	-0.25
638.	Sonipat	Safiabad-Pz	-0.65		-0.46	-0.83
639.	Sonipat	Sisnah			0.87	1.62
640.	Sonipat	Sonepat	-0.70		-0.25	-0.32
641.	Sonipat	Tihar Malikpur-DW	-0.37		-0.18	-0.83
642.	Yamunanagar	Antawa-Pz	-0.80			
643.	Yamunanagar	Bari Kanari-Pz	-0.50			
644.	Yamunanagar	Bhambauli-1 (m)			-0.81	
645.	Yamunanagar	Bilaspur DW	3.32		0.52	
646.	Yamunanagar	Chamrori-Pz	0.35			
647.	Yamunanagar	Chhachrauli S	-8.88		2.86	
648.	Yamunanagar	Choli	1.11		0.87	0.60
649.	Yamunanagar	Damla-Pz	-0.80			
650.	Yamunanagar	Dhaurang S			0.84	
651.	Yamunanagar	Fatehpur-Pz	11.08			
652.	Yamunanagar	Jagadhri-Pz	-0.50			
653.	Yamunanagar	Khizrabad	-1.18		2.56	
654.	Yamunanagar	Mustafabad DW	0.22		-0.20	0.45
655.	Yamunanagar	Mustafabad-Pz	-0.10		0.05	
656.	Yamunanagar	Nagal Patti-DW	-1.35			
657.	Yamunanagar	Naggal-S			0.29	
658.	Yamunanagar	Radaur S	2.21		-0.20	
659.	Yamunanagar	Ramgarh-DW	-0.50			
660.	Yamunanagar	Sabri			0.72	0.37
661.	Yamunanagar	Sadhaura DW	-0.87		0.46	
662.	Yamunanagar	Sadhaura S	-0.19		1.06	
663.	Yamunanagar	Salehpur-DW	-0.30			
664.	Yamunanagar	Shadipur			-0.20	
665.	Yamunanagar	Tala Kaur S	-0.42			
666.	Yamunanagar	Tehi-Pz	0.08			

ANNEXURE-IV

DECADAL MEAN WATER LEVEL FLUCTUATION (m)						
S. No	District	Location	MAY (2005:2014)	AUGUST (2005:2014)	NOVEMBER (2005:2014)	JANUARY (2006:2015)
			May-2015	AUG. 2015	NOV. 2015	JAN. 2016
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2.	Ambala	Ambala Cantt	-0.26		-0.39	
3.	Ambala	Balana			-0.28	
4.	Ambala	Dhanaura	-0.45	-0.92	-1.38	-1.31
5.	Ambala	Kakru	-1.17	-0.95	-1.17	-0.73
6.	Ambala	Khanahmadpur	-0.65	-3.03	-0.36	-2.37
7.	Ambala	Mulana	-1.16		-1.32	
8.	Ambala	Naraingarh	-2.28		-0.13	
9.	Ambala	Panjokhra	-0.49	-1.34	-1.07	-1.80
10.	Ambala	Pinjola	0.80	-0.11	0.99	1.29
11.	Bhiwani	Adampur	1.01		-0.40	
12.	Bhiwani	Badala	0.03		0.67	
13.	Bhiwani	Bajina	1.62	1.20	1.70	1.81
14.	Bhiwani	Bamla	-1.27		-1.00	-1.26
15.	Bhiwani	Baundkalan	-0.22	-1.10	-0.44	-0.81
16.	Bhiwani	Bhawani khera DW	1.39		-1.45	
17.	Bhiwani	Bhawani Khera Pz	-1.01		-1.32	
18.	Bhiwani	Bhiwani	-0.80		0.61	
19.	Bhiwani	Bohal	-1.61	-3.74	-2.21	-2.22
20.	Bhiwani	Chirya	1.86	1.51	2.57	2.83
21.	Bhiwani	Dadri	0.66		0.90	
22.	Bhiwani	Dadri-Pz	-0.16		-0.40	
23.	Bhiwani	Dhanana	-0.48		-0.20	-0.47
24.	Bhiwani	Gopi	7.19		7.08	
25.	Bhiwani	Gurera	-0.44	0.73	0.63	0.02
26.	Bhiwani	Gurera-pz	0.03		0.04	
27.	Bhiwani	Haluwas	0.77		0.64	1.04
28.	Bhiwani	Hetampur			1.76	
29.	Bhiwani	Imlota	-0.49		-0.51	
30.	Bhiwani	Isharwal	0.20		0.30	
31.	Bhiwani	Jhumpa	-0.94	-1.07	-0.40	
32.	Bhiwani	Jhumpa Kalan	1.55		-0.38	-0.20
33.	Bhiwani	Juikalan	2.75		3.63	
34.	Bhiwani	Juikalan Pz	4.10			
35.	Bhiwani	Kaloud PZM	4.93			

36.	Bhiwani	Kasni kalan	0.89		0.15	
37.	Bhiwani	Lachhmanpur	1.43		1.79	
38.	Bhiwani	Lohani	-0.45	0.43	3.17	0.80
39.	Bhiwani	Manhairu	-0.42		-0.03	
40.	Bhiwani	Mehrana	-4.15		-3.62	
41.	Bhiwani	Miran	-2.05		-1.25	
42.	Bhiwani	Miran abd				7.69
43.	Bhiwani	Miran-Pz	-0.47		-0.47	
44.	Bhiwani	Nayaatela	3.53	4.96	5.82	
45.	Bhiwani	Pataudi Khurd			29.54	
46.	Bhiwani	Sagban			-2.25	
47.	Bhiwani	Sangwan PZM	-0.56			
48.	Bhiwani	Sanwar	-0.43		0.07	
49.	Bhiwani	Singhani-pz	12.33		12.46	
50.	Bhiwani	Siwani	0.07	-0.82	-0.25	-0.21
51.	Bhiwani	Sui	-1.22	-0.57	-0.08	-1.11
52.	Bhiwani	Sungarpur	-1.52		-1.29	
53.	Bhiwani	Tosham	-1.66		-1.62	-1.81
54.	Bhiwani	Tosham-Pz	-1.78		-1.73	
55.	Faridabad	Achheja	0.38			
56.	Faridabad	Badraun	1.90		1.81	
57.	Faridabad	Baghaura	-2.35		-1.89	
58.	Faridabad	Ballabgarh	3.81		3.51	
59.	Faridabad	Bamnikhera	4.09		2.56	
60.	Faridabad	Barauli-Pz	0.84		2.80	
61.	Faridabad	Bhopani	3.18		-0.42	
62.	Faridabad	Dighaut	-0.91		1.82	
63.	Faridabad	Hasan pur	5.54		2.11	
64.	Faridabad	Hathin	-1.49		0.49	
65.	Faridabad	Hodel	1.84		3.04	
66.	Faridabad	Jawan- Pz	0.62			
67.	Faridabad	Khambi	-0.08		0.69	
68.	Faridabad	Kot			1.52	
69.	Faridabad	Lakhnaka	1.11		3.32	
70.	Faridabad	Lalwa	1.66		2.85	
71.	Faridabad	Pali2	10.24		14.14	
72.	Faridabad	Palwal	2.16		1.68	
73.	Faridabad	Palwal-Pz	3.55			
74.	Faridabad	Pehladpur-Pz	1.25		0.24	
75.	Faridabad	Pelak-Pz	-0.05			

76.	Faridabad	Rasul Pur	1.00		1.58	2.02
77.	Faridabad	Sikri1	1.69			
78.	Faridabad	Tumsara	1.95		1.42	-3.11
79.	Fatehabad	Aharwan S	-2.40			
80.	Fatehabad	Badopal	0.10	0.52	-0.24	-0.50
81.	Fatehabad	Bhattukalan	-0.88		-0.40	
82.	Fatehabad	Jandli Kalan	0.48		0.83	
83.	Fatehabad	Mehu Wala Pz	0.63		0.76	
84.	Fatehabad	Nagpur- Pz				0.38
85.	Fatehabad	Nahla	0.40	-0.33	1.31	
86.	Fatehabad	Pilimudari				7.16
87.	Fatehabad	Ratia -Pz	5.47		4.00	
88.	Fatehabad	Ratta Khera-Pz				0.03
89.	Fatehabad	Sadalpur	0.40		-0.54	3.14
90.	Fatehabad	Samain	-0.91		0.05	
91.	Fatehabad	Tohana	5.10	5.17	3.36	
92.	Gurgaon	Akaira	0.01		1.45	0.80
93.	Gurgaon	Akbarpur	-0.27			
94.	Gurgaon	Bandhwari	-3.03		-3.49	-2.80
95.	Gurgaon	Basonda Tripati-Pz	1.10		1.97	
96.	Gurgaon	Chandu Tikly	-0.75		-0.50	0.26
97.	Gurgaon	Fazilpur Badli-Pz	2.79		2.68	3.33
98.	Gurgaon	Firozpur Jhirka	2.36		2.16	1.91
99.	Gurgaon	Gulaltha	-0.80		-0.14	
100.	Gurgaon	Gurgaon Pz	6.12		5.98	7.69
101.	Gurgaon	Haila Mandi	2.38		2.31	2.05
102.	Gurgaon	Indri	0.21		0.16	
103.	Gurgaon	Jamalpur-Pz			-0.03	
104.	Gurgaon	Jaraon Pz	0.76		1.20	1.17
105.	Gurgaon	Kadipur	10.33		0.59	3.12
106.	Gurgaon	Kasan	4.35		4.97	5.84
107.	Gurgaon	Khera Khurrampur-Pz	0.97		2.17	
108.	Gurgaon	Kherla	1.64			4.17
109.	Gurgaon	Luhingakalan	-0.10		0.79	0.23
110.	Gurgaon	Malab	-0.47		-0.37	-0.27
111.	Gurgaon	Meoka-Pz	-0.62		-2.33	
112.	Gurgaon	Mouzabad	4.83		5.24	0.62
113.	Gurgaon	Mubarakpur	0.55		1.64	1.54
114.	Gurgaon	Nagina	0.80		1.52	-0.49

115.	Gurgaon	Naharika-Pz	-3.12		-4.71	
116.	Gurgaon	Nuh			0.64	-0.50
117.	Gurgaon	Nuh1	-0.65		0.54	
118.	Gurgaon	Nurgarh-Pz	-2.45			
119.	Gurgaon	Pataudi-Pz			3.00	
120.	Gurgaon	Pipaka	1.78		4.81	
121.	Gurgaon	Pipaka-Shashola	2.03		0.03	
122.	Gurgaon	Sikarwa	0.04		2.10	1.70
123.	Gurgaon	Siwari-Pz	3.64			
124.	Gurgaon	Sohna	14.48		14.14	15.06
125.	Gurgaon	Wazirpur-Pz	0.99		0.29	
126.	Hisar	Adampur S	-0.25		-0.03	-0.09
127.	Hisar	Adampur-Pz	0.08		0.22	-0.17
128.	Hisar	Agroha abd	-1.54		0.07	
129.	Hisar	Agroha-Pz	-0.89		-0.42	3.19
130.	Hisar	Balawas1	-1.49		-0.87	-7.83
131.	Hisar	Balsamand	0.26		0.10	-0.58
132.	Hisar	Balsamand-Pz			0.12	
133.	Hisar	Banbhauri-Pz	0.54			0.00
134.	Hisar	Barwala abd			3.95	3.46
135.	Hisar	Barwala-Pz	3.37		-0.51	-3.92
136.	Hisar	Bas	0.10	0.60	0.81	2.91
137.	Hisar	Basra	-0.63	-1.11	-0.81	-1.49
138.	Hisar	Bhotal Jattan-DW				0.05
139.	Hisar	Bithmara-DW				1.52
140.	Hisar	Behbalpur-Pz	-0.75		-0.47	
141.	Hisar	Chann-DW				0.40
142.	Hisar	Chanaut	-0.43		-1.10	
143.	Hisar	Chaudhriwali	2.60		0.13	1.01
144.	Hisar	Chawdhariwas	-0.81	-1.24	-0.69	-0.94
145.	Hisar	Deva-DW				-0.25
146.	Hisar	Dhand-DW				0.14
147.	Hisar	Dhansu	-1.40		-1.30	0.45
148.	Hisar	Ghursal-Pz	-1.49		-1.04	-0.29
149.	Hisar	Gurana	1.15		1.18	0.50
150.	Hisar	Hissar	2.49	0.34		-0.38
151.	Hisar	Hissar-Pz	0.35		-0.13	
152.	Hisar	Jaga Bara-DW				5.40
153.	Hisar	Juglan	1.30	0.19	-0.77	-5.01
154.	Hisar	Kanoh-Pz				1.80

155.	Hisar	Khanda Kheri-Pz	0.76		0.63	-0.98
156.	Hisar	Kherijalab	1.10		1.89	1.42
157.	Hisar	Kherijalab-Pz	-1.35		1.23	1.14
158.	Hisar	Khotkalan	3.13	4.28	3.62	3.89
159.	Hisar	Kirori	0.49		0.87	1.05
160.	Hisar	Kirtan	-1.30	0.27	-0.50	0.56
161.	Hisar	Ladwi-DW				-0.50
162.	Hisar	Litani-DW				0.07
163.	Hisar	Mangali-Pz	-0.48	-0.65	-0.82	-0.29
164.	Hisar	Mehanda-DW				0.15
165.	Hisar	Mirka	-0.42	-1.27	-2.64	
166.	Hisar	Moda Khera-DW				-5.32
167.	Hisar	Mothmajri	3.26	2.35	3.86	3.50
168.	Hisar	Narnaud S	1.23			8.17
169.	Hisar	Pali-DW				5.20
170.	Hisar	Rajthal1	1.79		7.66	2.68
171.	Hisar	Samani		1.22	-0.63	-1.22
172.	Hisar	Sorkhi-Pz	-0.31	0.40	0.59	
173.	Hisar	Talwani Badshahpur-DW				-1.93
174.	Hisar	Thurana-DW				0.15
175.	Hisar	Umra	-0.77		-0.29	0.88
176.	Jhajjar	Badli	-8.23		-7.16	-6.06
177.	Jhajjar	Bagoa	-0.78		-0.58	
178.	Jhajjar	Bahadurgarh			4.26	2.33
179.	Jhajjar	Beri			1.63	-0.94
180.	Jhajjar	Chamanpura	0.25	1.54	0.85	0.64
181.	Jhajjar	Chhara	-0.91	-0.69	0.19	-2.01
182.	Jhajjar	Chuchakwas	-0.64	-0.66	0.06	-0.13
183.	Jhajjar	Dighal			0.13	0.34
184.	Jhajjar	Dubhaldhan	-0.19		-0.26	
185.	Jhajjar	Dulhera	-0.87	-1.06	-0.55	0.10
186.	Jhajjar	Gabhana	-0.45		0.41	
187.	Jhajjar	Goria-DW				0.74
188.	Jhajjar	Hasanpur	-2.44		2.34	
189.	Jhajjar	Jakhoda-DW				-0.38
190.	Jhajjar	Jhajjar	-0.63	-2.16	-0.63	-2.80
191.	Jhajjar	Jhajjar1	-0.52		0.05	0.29
192.	Jhajjar	Jharli				0.07
193.	Jhajjar	Kaliawas- DW				0.24
194.	Jhajjar	Kamalgarh-DW				0.55

195.	Jhajjar	Kheri Asra DW				-0.28
196.	Jhajjar	Kherka Gujjar-DW				0.96
197.	Jhajjar	Kulasi	-1.22	0.13	-0.57	-0.41
198.	Jhajjar	Lakeria- DW				0.28
199.	Jhajjar	Matanhail-Pz				0.16
200.	Jhajjar	Mudsa	-1.25		-0.58	-0.79
201.	Jhajjar	Salhawas	-0.15		0.83	
202.	Jhajjar	Sankol	0.03		-0.16	
203.	Jhajjar	Sasroli-DW				0.42
204.	Jhajjar	Silana-DW				-2.75
205.	Jhajjar	Subnah	1.22		-0.13	4.04
206.	Jhajjar	Wazirpur	-0.53		0.07	
207.	Jhajjar	Yaqubpur	-0.16		-0.51	-0.35
208.	Jind	Alewa	11.53			13.42
209.	Jind	Alewa Pz	1.95			2.35
210.	Jind	Anta-Pz				0.00
211.	Jind	Baroda	-1.31		1.67	1.70
212.	Jind	Bhambewa-DW				-0.15
213.	Jind	Bhana Barahman-DW				-0.25
214.	Jind	Bhongra-Dw				1.60
215.	Jind	Bhuslana-Pz	0.97		1.00	3.66
216.	Jind	Brahmanwas	-0.32	-0.16	0.53	
217.	Jind	Chhabri	0.01		1.15	
218.	Jind	Dalamwala-DW				6.20
219.	Jind	Danoda Khurd-Pz				1.05
220.	Jind	Dhigana-DW				-0.30
221.	Jind	Dorana Pz	6.85			8.98
222.	Jind	Ganda Khera-DW				1.30
223.	Jind	Gangoli-DW				-0.40
224.	Jind	Ghaso	4.89			
225.	Jind	Gurusar-DW				1.80
226.	Jind	Hasanpur-Pz				1.10
227.	Jind	Jamni-DW				4.65
228.	Jind	Jhamula	-1.64	-1.11	-1.60	-1.41
229.	Jind	Jhanj Kalan	4.68		4.59	4.31
230.	Jind	Jind-Pz				1.35
231.	Jind	Julana Pz	0.53		0.10	0.34
232.	Jind	Kalwan-Pz	3.84			0.55

233.	Jind	Karela-DW				0.00
234.	Jind	Karsola-DW				0.25
235.	Jind	Kharwal	5.29			
236.	Jind	Khatkaran	1.49		2.85	
237.	Jind	Korar	3.52		6.10	7.03
238.	Jind	Lajwana Kalan	-1.22		-1.53	-1.54
239.	Jind	Lochap Pz	3.16		3.98	7.87
240.	Jind	Ludhana				-0.01
241.	Jind	Mandi Kalan-DW				0.50
242.	Jind	Mohal Khera Pz	-0.62		1.85	
243.	Jind	Narwana S-Pz	-0.15		-0.61	0.00
244.	Jind	Pega-DW				4.37
245.	Jind	Pillukhera		1.11	1.66	1.65
246.	Jind	Pillukhera-Pz				0.05
247.	Jind	Pipaltha-Pz				1.00
248.	Jind	Rasidan Pz				1.00
249.	Jind	Safidon (s)	4.21		3.83	4.13
250.	Jind	Safidon 1(s)	2.59		2.87	4.50
251.	Jind	Sahanpur-Pz				1.15
252.	Jind	Shanpur-Pz				1.15
253.	Jind	Uchana	1.41	1.25	1.37	2.44
254.	Jind	Uchana Pz	1.21		3.01	-1.25
255.	Kaithal	Bhana-Pz	2.12		1.03	
256.	Kaithal	Guhna	6.16		10.01	8.94
257.	Kaithal	Jakhali-Pz	2.13	1.53	0.90	
258.	Kaithal	Jandaula-Pz	2.84		2.71	
259.	Kaithal	Jateri	3.70			
260.	Kaithal	Kaithal S	10.93		10.04	
261.	Kaithal	Kalayat		-0.88	-0.01	
262.	Kaithal	Kalayat S	-0.88		0.78	
263.	Kaithal	Kathana-Pz	2.12	1.20	2.67	
264.	Kaithal	Kelaram	2.17		3.44	
265.	Kaithal	Kheorak-Pz	4.98		4.45	
266.	Kaithal	Manaspatti-Pz	6.53	1.67	1.97	
267.	Kaithal	Mataur	2.24	1.59	2.14	
268.	Kaithal	Mundri	3.84		6.33	5.90
269.	Kaithal	Padla 1(s)	3.28		6.70	
270.	Kaithal	Peoda		8.08	4.77	3.04
271.	Kaithal	Peoda_Pz	0.58		-2.41	
272.	Kaithal	Pundri(s)	5.98			

273.	Kaithal	Rajaund-Pz	3.15		2.55	
274.	Kaithal	Rasulpur Ghamri-Pz			0.54	
275.	Kaithal	Sirsal-Pz	4.93		2.24	5.82
276.	Karnal	Amin S			4.56	
277.	Karnal	Anjanthali-Pz	2.77		4.09	
278.	Karnal	Balhera-s	5.56		8.89	
279.	Karnal	Bastali	11.84		11.95	
280.	Karnal	Dadupur Khurd- Pz	2.85	3.26	1.65	
281.	Karnal	Dingar Majra-Pz		3.62	1.53	2.49
282.	Karnal	Domsi D			1.50	
283.	Karnal	Faridpur-Pz	0.24	-0.73	2.92	0.31
284.	Karnal	Gangatheri	4.29	6.22	3.72	
285.	Karnal	Garhi Khajur S	0.52		1.15	
286.	Karnal	Ghiar-Pz	-0.28		-0.54	
287.	Karnal	Indri	-0.39		-0.78	-2.35
288.	Karnal	Jalmana PZ			-0.29	
289.	Karnal	Jaroli Khurd-Pz			2.02	1.61
290.	Karnal	Jhanjari-Pz	1.45		1.38	
291.	Karnal	Jundla1	3.52		4.30	
292.	Karnal	Kachhwa Pz	2.16		0.35	
293.	Karnal	Kalri Jagir S	-1.17		-0.52	
294.	Karnal	Kurlan-Pz	2.79		1.55	
295.	Karnal	Kutail S	2.54		2.55	
296.	Karnal	Majra Roran	6.81		7.37	
297.	Karnal	Manak Majra-Pz	1.36		1.83	
298.	Karnal	Mohidinpur-Pz			0.71	
299.	Karnal	Mound S	7.46		8.06	
300.	Karnal	Nalvi Kalan-Pz			-0.61	
301.	Karnal	Nanhera	-0.42		-0.04	
302.	Karnal	Nisang-S	14.26			
303.	Karnal	Padhana-DW	2.52		1.24	
304.	Karnal	Phurlak S	2.43		2.20	
305.	Karnal	Phusgarh-Pz	0.76		-0.25	
306.	Karnal	Rambha-Pz	0.51		-0.21	
307.	Karnal	Randauli-Pz	-0.82		-0.02	
308.	Karnal	Rattak-Pz	2.88		1.02	
309.	Karnal	Sagga-Pz	2.23		1.78	
310.	Karnal	Salwan-B	5.49		2.88	
311.	Karnal	Sambli-Pz-M			3.02	

312.	Karnal	Sambli-Pz-S	0.96		3.39	
313.	Karnal	Samora1			2.67	
314.	Karnal	Taraori-Pz	2.14		0.90	
315.	Karnal	Udana-Pz	3.62		1.44	
316.	Kurukshetra	Bachki-Pz	1.75		2.31	4.70
317.	Kurukshetra	Baronda-Pz	-0.66	-1.53	-2.56	0.65
318.	Kurukshetra	Bateri	9.86			
319.	Kurukshetra	Berthala S	3.63		4.46	
320.	Kurukshetra	Bodhni (s)	8.23		7.94	
321.	Kurukshetra	Dabkhera-Pz		3.64	-0.26	1.94
322.	Kurukshetra	Ishaque S	7.42		9.32	
323.	Kurukshetra	Kaulapur S	4.18		6.80	
324.	Kurukshetra	Malikpur-Singhpura-Pz		1.90	5.83	
325.	Kurukshetra	Murtzapur-Pz		1.90	12.03	4.34
326.	Kurukshetra	Pehowa 3 (s)	9.97			
327.	Kurukshetra	Ram Sharan Majra-Pz			2.90	
328.	Kurukshetra	Samalkhi-Pz	7.74			10.45
329.	Kurukshetra	Sirsala-Pz	1.96		2.87	
330.	Mahendragarh	Atali-DW				0.70
331.	Mahendragarh	Barda-DW				1.00
332.	Mahendragarh	Berundla-DW				2.50
333.	Mahendragarh	Bhojawas-DW				0.25
334.	Mahendragarh	Buwana-Pz	5.13		6.75	
335.	Mahendragarh	Chelawas-DW				1.90
336.	Mahendragarh	Datal-DW				1.45
337.	Mahendragarh	Deroli Ahir	-8.94		1.26	
338.	Mahendragarh	Deroli Ahir1	-5.47			
339.	Mahendragarh	Dhancholi-DW				0.45
340.	Mahendragarh	Faizabad-DW				1.55
341.	Mahendragarh	Kalba-DW				0.50
342.	Mahendragarh	Kharkara Bas-DW				1.85
343.	Mahendragarh	Khatodra-Pz	9.69			
344.	Mahendragarh	Kheri	-4.00			
345.	Mahendragarh	Kheri-Pz				1.80
346.	Mahendragarh	Khodana-DW				3.40
347.	Mahendragarh	Khodma-DW				-0.30
348.	Mahendragarh	Kultajpur-DW				-0.50
349.	Mahendragarh	Lukhi	1.41			
350.	Mahendragarh	Nagal Kalia-DW				0.25

351.	Mahendragarh	Narnaul	-2.13	-3.26	1.11	-3.78
352.	Mahendragarh	Pachnota-DW				-0.45
353.	Mahendragarh	Pathera-DW				2.40
354.	Mahendragarh	Said Alipur-DW				1.05
355.	Mahendragarh	Shelang-DW				1.50
356.	Mahendragarh	Tazpur-Pz				1.20
357.	Panchkula	Devnagar(Panchkula)	0.34	-0.06	-0.17	-0.47
358.	Panchkula	Dharampur	0.27		-0.24	
359.	Panchkula	Kakar Majra	-0.16		-0.84	
360.	Panchkula	Khera	-0.05		-0.26	
361.	Panchkula	Parwala	-0.73		0.26	
362.	Panchkula	Patwi	-3.10	0.60	0.43	0.17
363.	Panchkula	Raipur Rani-Pz	0.13			
364.	Panchkula	Raipurrani	-6.87		4.56	
365.	Panipat	Babail Pz S	3.22			
366.	Panipat	Babail VS-Pz	7.79		7.57	
367.	Panipat	Bhallour Pz			0.69	
368.	Panipat	Dakadla S	-0.05			
369.	Panipat	Dharamgarh S			3.72	
370.	Panipat	Etola-Pz-M			-0.78	
371.	Panipat	Etola-Pz-S			-0.48	
372.	Panipat	Hathwala-Pz	-1.28		-3.05	
373.	Panipat	Israna Pz	-0.93		-1.36	
374.	Panipat	Karhansh Pz	5.47		2.08	
375.	Panipat	Khalila Manjran	0.64	-2.31	0.92	0.84
376.	Panipat	Khandra			4.92	
377.	Panipat	Khelalla Pehl S	53.08			
378.	Panipat	Lohari (s)	0.57			
379.	Panipat	Nariana-PZ	5.05		-6.89	
380.	Panipat	Nimbri- Pz	2.51			
381.	Panipat	Patti Kalyana S	9.46		5.83	
382.	Panipat	Puther Pz	-1.34		0.86	
383.	Panipat	Sanauli Khurd-Pz	0.40		0.04	
384.	Panipat	Shahpur	1.88			
385.	Panipat	Sink	0.20		4.00	
386.	Panipat	Tajpur S	8.24			
387.	Panipat	Untilya	1.28		2.22	1.65
388.	Panipat	Urlana Kalan	1.13		1.50	1.54
389.	Rewari	Bahu	-0.72		6.10	0.13

390.	Rewari	Balawas	-14.07		-11.00	-12.81
391.	Rewari	Bawal	5.67			
392.	Rewari	Bawal DW	-3.95		-3.29	-2.98
393.	Rewari	Bawal Pz	-0.03		3.72	1.98
394.	Rewari	Berli Khurd-DW				0.20
395.	Rewari	Bhakli-DW				0.30
396.	Rewari	Bharangi-DW				0.80
397.	Rewari	Dhana Alampur-DW				1.40
398.	Rewari	Garhi-DW				0.54
399.	Rewari	Gurkawas-DW				1.00
400.	Rewari	Hansaka-DW				-9.20
401.	Rewari	Harinagar-DW				-4.05
402.	Rewari	Jatusana	1.99		1.88	
403.	Rewari	Jatuwas-DW				0.30
404.	Rewari	Juddi-DW				0.84
405.	Rewari	Karnawas	0.46		2.11	-1.11
406.	Rewari	Karoli-DW				0.40
407.	Rewari	Khera Bahu-DW				10.08
408.	Rewari	Kumbhawas-DW				0.50
409.	Rewari	Mandola-Pz	2.81		3.39	3.26
410.	Rewari	Massani	-0.43		0.58	
411.	Rewari	Mubarikpur-DW				0.75
412.	Rewari	Nangal Mundi-DW				-0.05
413.	Rewari	Palhawas-DW				0.75
414.	Rewari	Pali-Pz				1.00
415.	Rewari	Ratanthal-DW				-1.30
416.	Rewari	Rewari			-5.60	
417.	Rewari	Rholiawas-Pz	0.91		2.82	
418.	Rewari	Rohrai-DW				-0.45
419.	Rewari	Sangwari			-3.28	
420.	Rewari	Shadipur-DW				-0.05
421.	Rewari	Sudharana-DW				1.17
422.	Rohtak	Ajaib-DW				0.06
423.	Rohtak	Assan-DW				1.29
424.	Rohtak	Atail-DW				0.28
425.	Rohtak	Baland	0.49		0.11	-0.79
426.	Rohtak	Baliana-DW				-0.08
427.	Rohtak	Bhal Anandpur	-0.33		-1.61	0.20
428.	Rohtak	Bhalaut	-2.57		-2.40	-2.40
429.	Rohtak	Bharain-DW				0.23
430.	Rohtak	Giji-DW				0.34

431.	Rohtak	Hassangarh	-0.73	-1.66	-0.69	-0.65
432.	Rohtak	Kalanaur	-0.27		-1.03	-0.15
433.	Rohtak	Kanheli-DW				0.61
434.	Rohtak	Kansala	-0.77		-0.88	-1.29
435.	Rohtak	Kharawar	0.78		1.41	1.56
436.	Rohtak	Kherari-DW				0.73
437.	Rohtak	Kiloi-DW				-0.55
438.	Rohtak	Lahli-DW				0.61
439.	Rohtak	Lakhan Majara	-1.62		-1.36	-1.35
440.	Rohtak	Madina	-0.64		0.24	0.28
441.	Rohtak	Makhrauli Khurd				-0.59
442.	Rohtak	Meham			4.87	3.68
443.	Rohtak	Muradpur Tekna-DW				0.60
444.	Rohtak	Nidhana	-0.91		-1.02	-0.56
445.	Rohtak	Ritoli-DW				0.11
446.	Rohtak	Rohtak	0.39		-0.18	-0.29
447.	Rohtak	Rukhi	-3.67		-2.82	
448.	Rohtak	Samargopalpur	-0.46		0.45	0.03
449.	Rohtak	Sampla	-0.37		1.01	-0.56
450.	Rohtak	Sampla-Pz	-2.18		-1.71	-1.95
451.	Rohtak	Sundana-DW				0.89
452.	Rohtak	Tiloli-DW				-0.52
453.	Sirsa	Alikan	5.15		5.93	5.12
454.	Sirsa	Bhuratwala-Pz	0.82		0.23	-0.05
455.	Sirsa	Chilkani Dhab	-0.04		0.10	-0.16
456.	Sirsa	Chormar	1.09		1.16	
457.	Sirsa	Chotala	-0.86	0.76	-0.05	1.56
458.	Sirsa	Chotala-Pz	0.90		0.25	-0.44
459.	Sirsa	Dabwali -Pz S	0.16		-0.19	-0.83
460.	Sirsa	Darba Kalan-Pz	-0.50	-0.13	0.08	-0.04
461.	Sirsa	Ding	3.22		3.16	4.94
462.	Sirsa	Ganga	5.64		5.86	3.81
463.	Sirsa	Ghushiana	-0.49	-0.22	0.23	-2.34
464.	Sirsa	Gigorani	-0.07		0.83	0.02
465.	Sirsa	Goriwala-Pz				1.07
466.	Sirsa	Goriwala	1.86		0.21	
467.	Sirsa	Hasu	9.19		9.48	
468.	Sirsa	Jamal	-2.48		-2.38	-2.69
469.	Sirsa	Jamal- Pz	-0.59		0.13	
470.	Sirsa	Kalanwali Mandi-	-2.80		0.52	-8.20

		Pz				
471.	Sirsa	Kaluwana	0.36		-0.19	
472.	Sirsa	Karamsana	-1.01	-1.47	-2.59	-2.19
473.	Sirsa	Kash Ram Dhab			-4.03	
474.	Sirsa	Khuiyan	2.01		0.09	3.02
475.	Sirsa	Mammer Khera-Pz	0.63		0.39	
476.	Sirsa	Mangala-Pz	2.58	7.40	5.35	4.37
477.	Sirsa	Manjiyana	1.47			
478.	Sirsa	Mastian	0.54		0.53	
479.	Sirsa	Mithri	2.28		3.36	3.52
480.	Sirsa	Nuhian Wali	1.06		1.74	
481.	Sirsa	Odhan Pz	3.85		2.14	
482.	Sirsa	Ottu 1(s)			9.27	11.15
483.	Sirsa	Panniwala Mota	2.89	-0.03	0.42	0.45
484.	Sirsa	Phaggu-Pz	1.11		0.51	
485.	Sirsa	Rasalia Khera	1.71	1.58	1.39	1.19
486.	Sirsa	Rori -DW	2.77		3.64	2.15
487.	Sirsa	Rupana			-0.58	
488.	Sirsa	Saktakhera	-0.43	-0.96	-0.87	2.48
489.	Sirsa	Shergarh-DW			-0.80	
490.	Sirsa	Sherpura	-0.33	-0.66	-0.40	-0.58
491.	Sirsa	Sirsa-Pz	-0.72		2.38	
492.	Sirsa	Sri Jiwan Nagar-B	9.82		8.39	
493.	Sirsa	Taruwana			0.99	
494.	Sirsa	Tejakhara	0.19		0.60	0.59
495.	Sonipat	Ahmadpur Majra-DW				0.08
496.	Sonipat	Ahulana	-0.27	1.00	1.21	-0.62
497.	Sonipat	Anandpur-Jarot-DW				0.31
498.	Sonipat	Anwali-Pz	0.70		1.17	0.86
499.	Sonipat	Bagru-DW				-0.28
500.	Sonipat	Banwasa-DW				-0.49
501.	Sonipat	Barauli-Pz	0.87		-7.14	0.62
502.	Sonipat	Barona-DW				0.09
503.	Sonipat	Barswani- DW				2.09
504.	Sonipat	Barwasni Pz (s)	4.88		1.46	
505.	Sonipat	Bega Pz	0.97		0.88	0.15
506.	Sonipat	Bhainswal	-1.16		-2.11	-0.17
507.	Sonipat	Bhunderi	-1.11		-0.49	
508.	Sonipat	Bichpuri1	0.73		-1.19	

509.	Sonipat	Bidhlan-DW				2.10
510.	Sonipat	Bohela	-0.29		2.41	
511.	Sonipat	Butana	1.36	0.95	0.24	0.84
512.	Sonipat	Chhapra-DW				0.37
513.	Sonipat	Chirana	3.16		0.87	
514.	Sonipat	Chitana-DW				0.04
515.	Sonipat	Datauli-Pz	1.37	0.58	1.94	1.47
516.	Sonipat	Farmana	-1.08		2.53	-1.00
517.	Sonipat	Gangana-DW				-0.64
518.	Sonipat	Garhwal	-0.54		-0.84	-0.51
519.	Sonipat	Gohana Pz	1.94		-0.49	1.29
520.	Sonipat	Gorar-DW				-0.37
521.	Sonipat	Jagsi	-0.15		2.68	-0.10
522.	Sonipat	Janti Khurd-Pz	0.97		-0.14	
523.	Sonipat	Jhakauli- Pz	0.80		5.99	-6.87
524.	Sonipat	Juan-DW				1.80
525.	Sonipat	Kami- PZ			3.87	3.87
526.	Sonipat	Kathura	-0.82		4.43	0.52
527.	Sonipat	Kathura Pz	-0.12		-0.18	0.04
528.	Sonipat	Khanpur Kalan- Pz	-0.91		-1.95	
529.	Sonipat	Khanda-DW				0.49
530.	Sonipat	KheoraPz	1.60		1.53	2.57
531.	Sonipat	Kheri Gujjar-Pz				1.37
532.	Sonipat	Ladpur-Pz				2.77
533.	Sonipat	Larsauli-Pz				4.69
534.	Sonipat	Lath	-0.19		0.17	0.11
535.	Sonipat	Machhri	2.19	2.91	1.85	2.00
536.	Sonipat	Mahara	0.83		2.30	
537.	Sonipat	Mattand-DW				0.13
538.	Sonipat	Mohana Pzm	0.36		0.54	0.56
539.	Sonipat	Mundlana- Pz	0.20		1.53	1.79
540.	Sonipat	Mundlana DW	0.20		1.53	
541.	Sonipat	Murthal-Pz	4.46	1.75	-0.37	0.38
542.	Sonipat	Nahri	0.83	-1.29	1.41	1.04
543.	Sonipat	Nizaimpur	-0.25		0.82	0.37
544.	Sonipat	Pinana	-0.26		-0.11	-0.16
545.	Sonipat	Pipli-DW				0.36
546.	Sonipat	Pugthala-Pz	-0.06		-0.09	-0.01
547.	Sonipat	Purkhas-Pz	3.45		-0.67	2.30
548.	Sonipat	Rai-Bahalgarh- Pz				1.58
549.	Sonipat	Rasoi Pz	0.95		0.71	

550.	Sonipat	Rathdhana-Pz	1.71		1.60	1.12
551.	Sonipat	Rohat	-0.99	-0.82	-0.28	2.00
552.	Sonipat	Rukhi-Pz	-0.64		-0.34	-0.55
553.	Sonipat	Safiabad-Pz				1.48
554.	Sonipat	Sisnah	-0.53		-0.42	-1.43
555.	Sonipat	Sonepat				1.02
556.	Sonipat	Tihar Malikpur-DW				1.20
557.	Yamunanagar	Amadalpur		6.09	0.44	
558.	Yamunanagar	Bhambauli-1 (m)	2.03		2.66	
559.	Yamunanagar	Bilaspur DW	-1.09		-0.25	
560.	Yamunanagar	Chhachrauli S	1.42		-0.53	
561.	Yamunanagar	Choli	-0.68		-0.09	-0.31
562.	Yamunanagar	Dhaurang S	0.65		0.21	
563.	Yamunanagar	Jhiwarheri S			2.86	
564.	Yamunanagar	Khizrabad	1.02		0.39	
565.	Yamunanagar	Mustafabad DW	-0.87		0.34	-0.69
566.	Yamunanagar	Mustafabad-Pz	-1.24		-0.81	
567.	Yamunanagar	Naggal-S	-0.00		0.13	
568.	Yamunanagar	Radaur S	-0.45		0.41	
569.	Yamunanagar	Rasulpur	1.24		0.60	
570.	Yamunanagar	Sabri	-0.52		-0.41	-0.44
571.	Yamunanagar	Sadhaura DW	-0.64		-0.37	
572.	Yamunanagar	Sadhaura S	1.02		0.78	
573.	Yamunanagar	Shadipur	-0.78		0.48	

Results of chemical analysis of water samples from NHS in Haryana (2015)

S. No	District	Block	Location	pH	EC in $\mu\text{S}/\text{cm}$ at 250C	CO3	HCO3	Cl	SO4	NO3	F	PO4	Ca	Mg	Na	K	SiO2	T.H as CaCO3	SAR	RSC in meq/l
						-----mg/l-----														
1	Ambala	Ambala	Balana	8.45	2255	53	672	184	195	90	0.30	0.71	114	35	270	128	30	429	5.67	4.20
2	Ambala	Ambala	Pinjora	8.75	855	35	202	63	121	1.0	0.93	0.14	12	5.0	180	2.4	14	51	10.96	3.47
3	Ambala	Ambala	Ambala	8.85	1250	59	547	35	106	BDL	0.89	0.03	12	17	282	0.5	13	102	12.15	8.88
4	Ambala	Ambala	Kakru	8.22	2650	Nil	654	243	360	135	0.46	BDL	65	32	330	280	30	296	8.35	4.81
5	Ambala	Ambala	Panjokera	8.45	2997	35	416	347	418	250	0.66	0.06	65	77	390	160	18	480	7.75	-1.59
6	Ambala	Naraingarh	Naraingarh	Leaked																
7	Ambala	Barara	Mullana	8.64	509	35	226	49	6	8.1	0.40	0.07	8	15	115	1.8	18	82	5.54	3.24
8	Ambala	Barara	Dhanura	8.19	704	Nil	226	49	118	BDL	0.14	0.01	45	12	98	2.7	22	163	3.34	0.44
9	Ambala	Barara	Khan	8.52	1940	117	297	215	185	80	0.60	0.01	27	43	350	3.0	9	245	9.73	3.88
10	Ambala	Barara	Saha	8.75	524	59	178	28	15	8.5	0.41	BDL	20	21	78	1.2	20	138	2.89	2.12
11	Ambala	Barara	Uplana	8.26	425	Nil	262	6.9	10	3.0	0.23	BDL	45	16	27	2.3	23	179	0.88	0.72
12	Bhiwani	Dadri	Imlota	8.39	630	6.5	164	55	118	6.3	1.5	0.03	23	18	83	25	18	130	3.15	0.28
13	Bhiwani	Dadri	Chiriya	8.65	1219	38	459	117	163	4.8	0.76	0.07	22	143	67	15	15	643	1.15	-4.06
14	Bhiwani	Bhiwani	Halawas	8.96	2690	56	714	383	417	15	6.69	BDL	16	65	620	7.0	18	306	15.39	7.42
15	Bhiwani	Bhiwani	Badala	8.57	2050	26	364	411	269	4.5	3.18	BDL	33	114	288	6.8	15	551	5.34	-4.19
16	Bhiwani	Bonndkala	Bonndkala	8.4	1850	6.5	153	383	239	93	0.8	BDL	143	74	110	50	41	661	1.86	-10.50
17	Bhiwani	Dadri	Sanwar	8.22	861	Nil	211	128	123	0	1.85	BDL	53	31	107	3.0	16	260	2.89	-1.74
18	Bhiwani	Bhiwani	Manheru	8.4	1697	13	152	369	221	0	2.8	BDL	59	55	227	4.0	32	375	5.11	-4.54
19	Bhiwani	Dadri	Dadri	7.98	7600	Nil	172	1404	1328	1876	0.71	BDL	595	372	725	310	23	3017	5.74	-57.46
20	Bhiwani	Dadri	Mahana	8.5	1660	13	212	369	94	32	0.6	BDL	20	89	178	5.2	23	418	3.80	-4.41
21	Bhiwani	Badhra	Naya	8.84	1130	29	420	75	99	67	0.54	BDL	15	11	252	2.8	27	82	11.98	6.18
22	Bhiwani	Karu	Hetampura	7.98	1976	Nil	293	259	142	329	0.37	0.27	173	47	81	145	24	624.5	1.41	-7.70
23	Bhiwani	Bhiwani	Lohani	7.9	1616	Nil	127	259	114	254	1.3	0.01	135	42	63	96	36	510	1.22	-8.09
24	Bhiwani	Badhra	Gopi	9.09	1954	58	449	293	92	65	0.53	BDL	15	8.0	423	4.5	26	72	21.75	7.85
25	Bhiwani	Karu	Juikalan	8.4	5770	9.6	527	1225	928	76	1.5	BDL	50	91	1230	3.0	15	500	23.95	-1.02
26	Bhiwani	Loharu	Loharu	8.88	2037	38	312	170	303	247	0.83	BDL	11.6	23	416	5.0	20	125	16.28	3.92

27	Bhiwani	Loharu	Singhani	8.33	2520	6.5	349	395	282	236	0.82	BDL	46.1	28	530	7.0	11	231	15.20	1.33
28	Bhiwani	Karu	Sungarpur	8.7	381	6.5	152	20.6	52	1.5	0.98	BDL	31	21	23	1.8	14	163	0.76	-0.57
29	Bhiwani	Tosham	Bajeni	8.16	2090	Nil	98	197	449	341	1.01	BDL	73	131	158	6.0	38	721	2.56	-12.81
30	Bhiwani	Tosham	Miran	8.4	1591	13	205	238	197	136	1.00	0.01	85	93	112	1.6	35	595	2.00	-8.08
31	Bhiwani	Siwani	Siwani	8.2	1460	Nil	132	225	204	173	1.38	0.05	68	51	170	6.5	13	380	3.80	-5.42
32	Bhiwani	Siwani	Barwaha	8.7	3480	65	609	579	396	153	10.2	0.03	28	27	850	12	11	180	27.49	8.53
33	Bhiwani	Siwani	Gurera	8.62	3780	65	583	381	500	484	1.54	0.10	28	49	845	5.0	8.4	270	22.31	6.29
34	Bhiwani	Siwani	Mohila	7.85	1740	Nil	265	163	139	409	0.25	0.07	72	41	248	1.5	17	350	5.78	-2.62
35	Bhiwani	Siwani	Jhumpakal	8.96	1261	58	424	34	61	149	11.9	0.05	8	10	290	0.5	11	60	16.14	7.65
36	Bhiwani	Karu	Isharwal	8.44	1684	13	318	238	159	175	1.12	0.03	40	90	168	88	15	470	3.37	-3.76
37	Bhiwani	Tosham	Patandi	8.7	1150	13	256	150	166	48	0.31	0.06	20	95	78	17	11	440	1.62	-4.18
38	Bhiwani	Bhiwani	Sui	8.02	5320	Nil	132	872	750	998	1.54	0.04	100	363	462	78	13	1741.4	4.81	-32.68
39	Bhiwani	Tosham	Sagwan	8.19	387	Nil	146	14	54	BDL	1.6	0.18	16	5.0	17	77	37	60	0.95	1.18
40	Bhiwani	Tosham	Lakshman	8.1	430	Nil	93	48	62	13	0.17	0.04	28	10	24	45	17	110	0.99	-0.70
41	Bhiwani	Tosham	Tosham	7.67	1574	Nil	145	73	831	2.2	3.48	0.03	242	67	83	11	17	881	1.22	-15.21
42	Bhiwani	Bhiwani	Bohal	8.22	903	Nil	228	97	280	7.1	1.63	0.02	46	92	47	4.3	10	495	0.92	-6.12
43	Bhiwani	Bhiwani	Dhanana	8.24	3230	Nil	161	347	1500	17	3.34	0.03	98	136	605	9	10	804	9.28	-13.44
44	Bhiwani	Bhiwani	Bhiwani	7.95	964	Nil	242	167	120	2.47	0.46	0.02	66	39	115	6.3	11	325	2.77	-2.53
45	Bhiwani	Bhiwani	Bhiwani	8.24	724	Nil	207	97	117	BDL	0.5	0.05	40	31	95	4.5	17	226	2.74	-1.15
46	Bhiwani	Bhiwani	Bamala	7.76	2400	Nil	193	372	886	2.45	0.57	0.02	206	196	150	7.2	10	1321	1.80	-23.23
47	Faridabad	Ballabgarh	Tigaon	8.63	3495	47	500	632	268	125	0.66	0.01	29	87	525	154	25	429	11.03	1.18
48	Faridabad	Ballabgarh	Ballabgarh	8.38	3203	53	250	646	385	80	0.68	BDL	41	87	542	32	27	459	11.00	-3.33
49	Faridabad	Ballabgarh	Sikri	Leaked																
50	Faridabad	Ballabgarh	Jawan	8.50	2144	82	535	195	262	16	0.92	0.04	8	45	427	9.0	22	204	13.00	7.43
51	Faridabad	Faridabad	Pali	8.42	3110	47	83	598	ND	ND	0.29	ND	45	99	502	2.9	ND	521	9.57	-7.48
52	Faridabad	Faridabad	Bhopani	8.59	785	47	178	83	48	57	0.67	0.01	37	22	115	10	25	184	3.69	0.81
53	Faridabad	Ballabgarh	Kabulpur	8.15	1525	Nil	131	327	248	19	BDL	0.02	65	60	195	10	23	408	4.20	-6.02
54	Fatehabaa	Bahtukala	Bahtukala	8.15	2230	Nil	109	377	209	414	2.74	0.03	108	133	184	6.8	18	816	2.80	-14.54
55	Fatehabaa	Bahtukala	Mehuwala	8.11	3460	Nil	93	485	1275	19	1.37	0.03	158	147	461	19	13	1001	6.35	-18.45
56	Fatehabaa	Tohana	Samain	8.72	774	13	321	76	28	11	2.24	0.05	19	68	31	43	25	326	0.75	-0.85
57	Gurgaon	Sohna	Kherla	8.23	451	Nil	144	55	17	40	0.61	0.09	24	17	54	2.3	14	129	2.07	-0.22

58	Gurgaon	Sohna	Sohna	7.99	2550	Nil	131	466	239	324	0.36	0.11	96	71	340	41	28	530	6.43	-8.44
59	Gurgaon	Gurgaon	Gawal	7.86	515	Nil	198	41	28	40	0.32	0.05	24	19	61	2.2	21	138	2.26	0.49
60	Gurgaon	Gurgaon	Sheikhopu	7.74	2050	Nil	85	482	90	328	0.44	0.06	136	115	115	5.2	23	811	1.76	-14.81
61	Gurgaon	Pataudi	Lokara	8.13	650	Nil	370	33	7.0	35	0.81	0.03	14	16	128	1.6	15	102	5.51	4.03
62	Gurgaon	Pataudi	Nanukalan	8.80	1330	49	382	123	58	82	1.22	0.05	8.0	24	275	3.2	15	120	10.92	5.50
63	Gurgaon	Pataudi	Mauzabad	7.82	238	Nil	49	55	9.0	6.5	0.17	0.04	8.0	7.3	36	1.1	13	50	2.22	-0.20
64	Gurgaon	Pataudi	Noorgarh	8.28	6910	49	173	2598	582	36	1.13	0.05	241	292	1220	14	15	1802	12.51	-31.54
65	Gurgaon	Pataudi	Halleyman	8.90	2630	97	394	556	198	145	1.04	0.07	40	44	573	7.0	16	280	14.90	4.09
66	Gurgaon	Farukhnaga	Jamalpur	8.30	748	36	234	75	20	62	0.19	0.04	40	22	101	2.8	19	190	3.19	1.24
67	Gurgaon	Gurgaon	Wapios	8.03	2870	Nil	99	980	53	42	0.10	0.06	184	54	400	9.3	17	681	6.67	-11.99
68	Gurgaon	Gurgaon	Gurgaon	8.82	1040	49	444	48	23	51	0.46	0.08	12	4.9	252	3.6	13	50	15.51	7.91
69	Gurgaon	Gurgaon	Wazirpur	Leaked																
70	Gurgaon	Gurgaon	Meoka	8.81	943	61	382	21	16	95	4.26	0.04	20	10	204	3.6	13	90	9.36	6.50
71	Gurgaon	Farukhnaga	Chandu	8.36	2870	49	123	939	189	25	0.39	0.06	96	71	513	10	13	530	9.70	-6.94
72	Gurgaon	Farukhnaga	Kheda	7.90	2830	Nil	197	798	169	177	0.22	0.06	224	175	142	0.5	16	1281	1.73	-22.37
73	Gurgaon	Farukhnaga	Sewani	8.05	3400	Nil	122	1333	153	30	0.17	0.06	208	248	272	5.1	14	1541	3.02	-28.80
74	Gurgaon	Farukhnaga	machana	8.24	6570	48	268	2028	1044	213	0.54	0.06	120	185	1470	10	15	1061	19.64	-15.21
75	Hissar	Hisar-II	Chaudhari	8.57	1517	13	178	195	389	45	3.97	0.02	52	136	67	20	22	691	1.11	-10.43
76	Hissar	Adampur	Kirtan	8.18	3210	Nil	95	606	936	6.4	1.48	0.02	137	122	438	43	24	846	6.56	-15.31
77	Hissar	Barwala	Behbalpur-	8.48	732	6.5	132	55	198	0.22	2.53	0.03	37	32	78	4.4	12	223	2.27	-2.10
78	Hissar	Agroha	Kanoh	Leaked																
79	Hissar	Agroha	Samani	8.51	2180	13	273	498	114	36	0.19	0.04	33	81	170	215	25	414	3.63	-3.40
80	Hissar	Uklana	Sahu	Leaked																
81	Hissar	Uklana	Uklana	8.14	3530	Nil	82	552	746	609	1.48	0.03	83	232	402	24	20	1160	5.13	-21.88
82	Hissar	Barwala	Juglan	8.52	4910	26	383	781	1029	358	2.63	0.04	29	133	965	25	9.5	621	16.87	-5.24
83	Hissar	Barwala	Jugian	8.56	793	6.5	191	40	213	2.55	0.5	0.02	25	33	112	5.8	16	197	3.46	-0.61
84	Hissar	Barwala	Barwala-2	7.84	1802	Nil	159	183	138	522	2.65	0.02	124	124	42	8.0	16	821	0.64	-13.79
85	Hissar	Barwala	Banbahuri	8.22	1215	Nil	251	239	94	10	0.67	0.05	48	97	53	8.4	26	520	1.01	-6.26
86	Hissar	Narnaud	Khotkalan	8.2	3400	Nil	139	927	488	123	0.72	0.01	116	246	285	28	22	1301	3.44	-23.75
87	Hissar	Bass	Bass	8.7	797	6.5	212	60	141	BDL	0.64	0.15	8.0	37	119	2.6	17	170	3.95	0.25
88	Hissar	Narnaud	Mothmajri	8.75	1026	13	311	74	139	8.8	0.67	0.01	40	36	135	7.0	16	250	3.73	0.57

89	Hissar	Hansi	Dhamundi	8.4	1150	6.5	212	105	295	24	2.92	0.01	60	66	105	13	15	420.3	2.22	-4.74
90	Hissar	Hansi	Rajli Cross	8.13	299	Nil	106	14	48	1.6	0.84	0.02	24	19	10	1.8	13	140	0.37	-1.02
91	Hissar	Barwala	Gainpura	8.75	3120	32	423	597	457	53	2.09	0.01	80	178	400	17	15	931	5.70	-10.62
92	Hissar	Hisar-I	Mirka	8.14	1570	Nil	106	140	494	62	0.89	0.01	100	63	153	5.6	22	510	2.95	-8.43
93	Hissar	Hisar-I	Balawas- 1	9.01	2830	59	622	541	140	61	0.3	0.01	28	141	208	410	12	650.5	3.55	-0.85
94	Hissar	Hansi	Umra	8.21	1217	Nil	157	94	462	5.5	0.65	0.07	44	70	149	3.2	15	396	3.26	-5.34
95	Hissar	Agroha	Agroha	8.65	901	14	302	57	171	75	1.37	0.07	8.0	95	70	11	17	409	1.51	-2.76
96	Hissar	Agroha	Kaliravan	8.88	2090	54	412	358	219	5	0.65	0.08	12	118	139	308	18	515	2.67	-1.74
97	Hissar	Adampur	Ghursal-Pz	8.52	3230	27	330	261	1440	27	4.04	0.19	40	94	750	29	17	485	14.82	-3.38
98	Jhajjar	Bahadurgar	Kulashi	8.21	2430	Nil	685	442	14	68	0.99	BDL	31	77	135	481	13	395	2.96	3.34
99	Jhajjar	Bahadurgar	Bahadurga	7.59	2690	Nil	570	327	326	229	2.29	0.29	45	68	490	0.5	12	389	10.78	1.53
100	Jhajjar	Bahadurgar	Samankol	8.24	372	Nil	171	20	43	0.2	0.52	BDL	22	28	16	1.6	11	172	0.53	-0.60
101	Jhajjar	Beri	Dighal	8.21	1400	Nil	524	103	152	7.3	1.83	BDL	35	54	200	10	12	308	4.95	2.40
102	Jhajjar	Beri	Chamanpu	8.44	1134	20	165	46	336	2.8	0.85	BDL	26	77	103	2.9	16	380	2.29	-4.26
103	Jhajjar	Bahadurgar	Chhara	8.4	2010	26	153	365	280	90	0.4	BDL	33	87	143	265	29	440	2.97	-5.43
104	Jhajjar	Bahadurgar	Dulehra	7.76	4260	Nil	400	1134	452	71	0.69	BDL	129	239	432	241	20	1307	5.20	-19.54
105	Jhajjar	Bahadurgar	Gubhna	8.87	1645	52	530	172	100	5.7	1.78	BDL	53	40	179	175	23	297	4.52	4.48
106	Jhajjar	Bahadurgar	Badli	7.43	6970	Nil	152	2345	495	126	0.9	BDL	591	275	595	8.5	17	2610	5.07	-49.62
107	Jhajjar	Jhajjar	Jhajjar	8.21	369	Nil	123	32	44	0.27	0.55	BDL	26	23	12	0.9	17	159	0.41	-1.17
108	Jhajjar	Jhajjar	Hasangarh	8.01	983	Nil	190	218	29	64	0.43	BDL	48	56	95	1.3	15	352	2.21	-3.89
109	Jhajjar	Salahwas	Subhana	7.99	3790	Nil	491	611	728	41	0.37	0.01	80	92	578	230	28	580	10.46	-3.51
110	Jhajjar	Salahwas	Salahwas	8.44	3120	26	190	695	460	26	0.56	0.02	28	180	410	1.0	35	811	6.27	-12.22
111	Jhajjar	Matanhail	Mundsaa	8.55	2690	19	217	486	585	9.8	2.88	0.01	36	71	494	6.0	23	380	11.00	-3.45
112	Jhajjar	Beri	Beri	8.58	1176	26	463	51	181	7.6	6.8	0.02	28	61	163	13	15	320	3.96	2.04
113	Jhajjar	Beri	Wazirpur	8.67	2320	39	463	236	344	67	0.41	0.01	12	32	245	405	20	160	8.39	5.66
114	Jhajjar	Matanhail	Chhuchha	7.96	1984	Nil	366	429	156	36	6.86	0.01	56	74	196	158	19	445	4.05	-2.88
115	Jhajjar	Dadri	Bigoa	8.22	2040	Nil	309	471	168	28	0.91	0.01	32	76	283	118	22	394	6.21	-2.78
116	Jhajjar	Beri	Majra	8.93	1051	66	386	35	116	15	5.23	0.01	2.0	75	138	14	20	315	3.39	2.26
117	Jhajjar	Beri	Double	7.42	3660	Nil	156	584	219	876	0.37	0.03	276	136	193	128	33	1251	2.38	-22.40
118	Jind	Safidon	Safidon	8.65	958	82	303	114	BDL	3.8	1.85	BDL	6.0	34	181	8.5	23	154	6.33	4.61
119	Jind	Safidon	Bhuslana	8.79	1481	111	167	363	BDL	4.7	0.89	BDL	14	67	225	10	21	313	5.55	0.22

120	Jind	Jind	Jhanj	8.3	1804	Nil	375	221	270	5.3	0.47	BDL	55	79	179	72	25	462	3.62	-3.10
121	Jind	Uchana	Khatgarh	8.4	1906	29	244	221	375	7.4	0.56	BDL	12	61	316	7.0	14	282	8.20	-0.65
122	Jind	Uchana	Uchana	8.52	806	53	292	24	43	5.3	5.39	BDL	12	15	157	3.5	16	92	7.13	4.71
123	Jind	Uchana	Kachana	8.53	879	47	351	52	BDL	14	0.78	BDL	16	37	122	7.0	24	195	3.83	3.48
124	Jind	Narwana	Narwana	8.54	1909	59	244	242	205	107	1.07	BDL	6.2	90	238	58	12	385	5.27	-1.75
125	Jind	Narwana	Mohal	8.49	376	18	125	14	BDL	4.2	1.08	BDL	25	22	8.3	6.3	14	154	0.29	-0.41
126	Jind	Narwana	Rasidan	Leaked																
127	Jind	Narwana	Dindoli	8.68	548	18	214	28	35	9.1	0.28	BDL	21	24	64	7.0	25	149	2.26	1.09
128	Jind	Narwana	Kurar	8.64	2005	76	422	297	95	9.1	2.16	BDL	16	69	315	11	26	323	7.62	2.98
129	Jind	Jind	Kishanpur	8.66	2557	82	369	325	400	12	0.91	BDL	12	95	430	8	27	421	9.12	0.37
130	Jind	Safidon	Lochab	8.71	2040	99	280	207	340	17	1.82	BDL	10	54	388	7.0	18	246	10.74	2.94
131	Jind	Alewa	Alewa	8.6	631	35	208	28	62	13	0.61	BDL	10	50	54	6.5	21	231	1.55	-0.03
132	Jind	Alewa	Dorana	8.51	1522	29	381	97	240	14	0.72	BDL	14	47	220	60	21	231	6.33	2.64
133	Jind	Julana	Brahaman	8.12	2785	Nil	89	823	130	14	0.31	BDL	218	145	84	7.0	24	1139	1.08	-21.34
134	Jind	Julana	Jhamola	8.72	2588	105	452	315	145	99	9.57	BDL	18	20	70	790	13	128	2.70	8.37
135	Kaithal	Guhla	Balbera	8.65	1920	70	393	256	135	50	0.5	BDL	16	47	332	12	23	236	9.46	4.10
136	Kaithal	Guhla	Khanpur	8.8	753	59	238	55	7.2	10	0.56	BDL	21	36	83	6.1	20	200	2.55	1.86
137	Kaithal	Kaithal	Padla	8.6	2894	59	149	436	600	10	0.44	BDL	43	125	391	13	21	621	6.82	-8.02
138	Kaithal	Kaithal	Guhna	8.55	1986	41	178	304	280	43	0.93	BDL	14	61	321	11	18	287	8.26	-1.42
139	Kaithal	Kaithal	Peoda	8.85	3684	176	488	353	500	120	9.83	BDL	29	22	698	148	19	164	23.79	10.61
140	Kaithal	Kalayat	Kelram	8.3	1530	Nil	297	235	192	2	0.27	BDL	78	44	154	44	27	374	3.46	-2.64
141	Kaithal	Kalayat	Kalayat	8.35	5051	18	167	650	1400	230	4.56	BDL	84	170	754	232	19	908	10.88	-14.84
142	Kaithal	Kalayat	Mataur	8.45	5653	53	178	715	700	1148	2.48	BDL	29	247	812	74	21	1087	10.71	-17.07
143	Kaithal	Rajond	Kithana	8.45	3930	23	190	633	720	201	1.75	BDL	33	150	571	90	25	698	9.39	-10.10
144	Kaithal	Rajond	Jhakauli	8.47	4332	29	173	660	800	268	1.47	BDL	66	160	604	92	26	821	9.16	-12.66
145	Kaithal	Pundri	Bhama	8.88	1710	117	393	21	275	14	1.82	BDL	10	39	301	22	21	185	9.62	6.63
146	Kaithal	Pundri	Jateri	8.72	1250	105	238	131	36	20	0.67	BDL	12	41	112	150	22	200	3.46	3.43
147	Kaithal	Pundri	Pundri	8.43	1208	29	214	169	100	21	0.36	BDL	8.2	32	203	8.0	29	154	7.16	1.44
148	Kaithal	Kaithal	Mundri	8.76	642	29	226	35	20	8.6	0.87	BDL	41	2.5	43	91	17	113	1.76	2.42
149	Kaithal	Kaithal	Manaspati	Leaked																
150	Kaithal	Pundri	Jandaula	8.79	812	70	226	31	58	8.8	0.31	BDL	8.2	22	143	4.5	19	113	5.91	3.82

151	Kaithal	Pundri	Kaul	Leaked																
152	Kaithal	Pundri	Sirsal	8.69	854	105	274	17	29	3.0	0.66	BDL	12	41	117	6.4	20	200	3.61	4.01
153	Karnal	Indri	Domsi	8.85	645	59	202	42	30	22	0.90	BDL	20	27	92	9.9	24	163	3.13	2.00
154	Karnal	Karnal	Basthali	8.43	945	70	309	63	22	5.9	0.65	BDL	20	62	81	7.9	23	306	2.01	1.29
155	Karnal	Assand	Pacca	8.95	1280	70	250	104	128	40	0.99	BDL	25	32	205	5.5	20	194	6.41	2.56
156	Karnal	Nissing	Majra	8.78	575	47	226	28	12	5.2	0.70	BDL	25	22	75	6.9	23	153	2.64	2.21
157	Karnal	Nilokheri	Amin	8.55	660	82	226	28	BDL	6.9	0.27	BDL	20	17	105	18	24	122	4.13	3.99
158	Karnal	Nilokheri	Saunkra	8.35	512	23	214	14	20	12	0.43	BDL	45	20	32	6.0	23	194	1.00	0.41
159	Karnal	Nissing	Jundla	8.52	1190	94	345	94	52	12	0.51	BDL	20	42	185	10	24	225	5.37	4.29
160	Karnal	Gharaunda	Phurlak	8.45	550	23	143	42	45	17	0.72	BDL	41	30	24	3.6	21	225	0.70	-1.37
161	Karnal	Indri	Kalri Jagir	8.85	340	35	119	17	12	BDL	0.32	BDL	25	30	4.5	3.1	19	184	0.14	-0.55
162	Karnal	Karnal	Shekhpura	8.90	540	47	131	14	65	14	0.32	BDL	33	27	41	4.9	25	194	1.28	-0.17
163	Karnal	Karnal	Newal	8.80	355	35	107	14	20	BDL	0.48	BDL	20	BDL	63	2.1	15	51	3.84	1.91
164	Karnal	Gharaunda	Garhi	8.50	755	47	202	21	145	BDL	0.78	0.03	49	40	63	6.1	21	286	1.62	-0.84
165	Karnal	Gharaunda	Kutail	Leaked																
166	Karnal	Gharaunda	Balhera	8.60	815	47	274	21	115	2.4	0.39	0.02	45	52	58	5.2	23	327	1.40	-0.48
167	Karnal	Indri	Indri	8.25	400	Nil	95	35	76	15	0.97	BDL	37	10	40	4.5	22	133	1.51	-1.09
168	Karnal	Gharaunda	Faridkot	8.50	533	59	202	10	BDL	BDL	1.03	BDL	16	10	90	3.0	18	82	4.33	3.63
169	Karnal	Karnal	Chorpur	8.75	908	35	143	28	235	BDL	0.27	0.01	8	35	137	6.0	23	163	4.66	0.25
170	Karnal	Banagudha	Shergarh	8.76	376	35	131	10	21	0.35	0.48	BDL	20	2.5	65	2.4	16	61	3.61	2.09
171	Karnal	Nissang	Sanbhali	8.58	985	70	327	42	55	12	0.54	0.01	12	42	138	7.8	22	204	4.20	3.62
172	Karnal	Indri	Randauli	8.50	467	29	178	6.9	55	3.0	0.42	0.08	20	42	17	5.0	21	225	0.49	-0.59
173	Karnal	Karnal	Kairwali	8.45	934	29	89	118	170	21	0.65	BDL	45	55	65	7.4	27	337	1.54	-4.29
174	Karnal	Gharaunda	Kohand	8.87	894	70	202	80	38	18	0.51	BDL	25	40	103	6.4	29	225	2.99	1.17
175	Karnal	Karnal	Amupur	8.60	859	94	274	31	10	2.4	0.66	0.01	12	35	120	7.3	23	174	3.96	4.14
176	Karnal	Nilokheri	Bhutan	8.88	408	35	190	6.9	BDL	BDL	0.15	BDL	16	17	50	5.2	22	112	2.05	2.05
177	Kurukshetr	Pehowa	Ishaque	8.25	860	Nil	405	35	65	1.9	1.20	0.01	16	15	160	5.6	20	102	6.89	4.59
178	Kurukshetr	Shahbad	Shahbad	8.24	670	Nil	309	49	24	3.3	0.51	BDL	41	15	86	4.3	18	163	2.93	1.81
179	Kurukshetr	Babain	Barthala	8.18	495	Nil	297	14	5.0	19	0.40	BDL	37	22	45	6.6	26	184	1.44	1.20
180	Kurukshetr	Kurukshetr	Kaulapur	8.35	495	35	202	6.9	15	3.0	0.52	BDL	33	15	48	6.3	23	143	1.75	1.63
181	Kurukshetr	Pehowa	Pehowa	8.40	560	35	178	42	5.0	17	0.34	BDL	37	27	36	3.5	20	204	1.10	0.01

182	Kurukshetr	Pehowa	Thana	8.80	1430	105	654	28	70	2.6	0.42	0.05	29	32	285	7.6	24	204	8.68	10.16
183	Kurukshetr	Kurukshetr	Mathana	8.80	435	35	173	21	BDL	BDL	0.60	BDL	20	10	63	5.7	22	92	2.86	2.16
184	Kurukshetr	Kurukshetr	Santokpur	8.40	600	53	244	14	18	2.2	0.39	BDL	25	25	75	4.6	21	163	2.55	2.49
185	Kurukshetr	Pehowa	Bodhni	8.48	832	59	321	49	18	1.0	0.61	BDL	29	30	115	8.8	23	194	3.59	3.34
186	Kurukshetr	Kurukshetr	Dabkhera	8.49	445	35	190	14	12	1.2	0.52	BDL	31	7.4	63	5.8	21	107	2.65	2.15
187	Kurukshetr	Ladwa	Ban	8.35	795	47	250	76	8.0	14	0.73	BDL	45	25	86	11	25	214	2.56	1.37
188	Kurukshetr	Ladwa	Baronda	8.25	490	Nil	297	14	8.0	3.4	0.75	BDL	41	20	39	8.4	24	184	1.25	1.20
189	Kurukshetr	Pehowa	Bachki	8.98	540	59	155	28	12	BDL	0.78	BDL	16	12	86	3.4	17	92	3.90	2.65
190	Kurukshetr	Pehowa	Murtzapur	8.25	478	Nil	226	31	20	5.8	0.32	BDL	35	27	25	4.5	24	199	0.77	-0.27
191	Kurukshetr	Pehowa	Malikpur-	8.56	642	70	238	17	18	2.8	0.35	BDL	20	27	88	6.3	22	163	3.00	2.98
192	Kurukshetr	Shahabad	Samalkhi	8.66	760	47	167	69	62	28	0.59	BDL	29	27	98	7.2	25	184	3.15	0.62
193	Kurukshetr	Thanesar	Sirsila	8.37	755	47	321	28	18	6.86	0.47	BDL	33	22	104	8.0	24	174	3.44	3.36
194	Kurukshetr	Kurukshetr	Jognakher	8.54	570	35	155	63	12	11	0.20	BDL	16	22	73	6.5	25	133	2.76	1.05
195	Kurukshetr	Kurukshetr	Umri	8.27	582	Nil	321	21	12	BDL	0.31	BDL	37	32	36	6.0	24	225	1.05	0.78
196	Kurukshetr	Pehowa	Bateri	8.80	605	47	190	35	32	12	0.47	BDL	29	25	66	12	23	174	2.18	1.21
197	Mahender	Mahenderg	Kheri	8.63	2110	48	752	165	204	12	13.83	1.6	13	8.4	522	6.8	20	67	27.74	12.58
198	Mahender	Mahenderg	Bnana	8.25	1667	Nil	312	302	207	47	0.74	0.03	36	19	335	6.5	22	166	11.28	1.77
199	Mahender	Mahenderg	Buchawas	8.02	4360	Nil	351	708	684	432	0.56	0.04	89	103	800	6.5	21	644	13.70	-7.16
200	Mahender	Kanina	Kanina	8.63	1446	26	410	186	152	28	0.93	0.05	13	11	335	4.3	16	78	16.53	6.03
201	Mahender	Kanina	Rattakalan	8.02	1115	Nil	244	192	140	42	0.21	0.02	40	32	182	5.0	10	233	5.20	-0.63
202	Mahender	Narnaul	Narnaul	7.96	4510	Nil	352	791	375	693	0.93	0.02	98	108	760	82	17	691	12.60	-8.00
203	Mahender	Mahenderg	Deroli	8.55	414	6.5	215	14	30	1.1	0.46	0.03	27	19	45	0.6	10	144	1.63	0.85
204	Mahender	Mahenderg	Jaswas	8.48	877	6.5	390	55	72	19	1.83	0.03	13	5.0	212	2.5	17	55	12.57	5.53
205	Mahender	Mahenderg	Jhanjriawa	8.43	1173	6.5	383	142	121	28	0.57	BDL	24	25	222	3.2	35	164	7.57	3.24
206	Mahender	Mahenderg	Khatand	8.04	4400	Nil	192	1276	406	56	0.53	BDL	204	27	779	16	39	619	13.61	-9.25
207	Mahender	Mahenderg	Mahender	8.76	752	26	240	85	51	36	2.01	BDL	10	18	153	1.6	35	97	6.69	2.82
208	Mewat	Taora	Pipaks	8.04	690	Nil	223	116	7.0	35	0.41	0.12	32	29	77	2.3	22	198	2.38	-0.30
209	Mewat	Taora	Rangola	8.31	626	13	196	68	34	35	0.61	0.11	20	29	85	1.5	26	170	2.84	0.25
210	Mewat	Taora	Khori	8.20	2220	Nil	289	466	234	98	1.23	0.12	48	84	295	83	16	466	5.95	-4.58
211	Mewat	Nuh	Nuh	8.02	4000	Nil	131	1144	911	20	0.36	0.11	246	135	640	68	18	1169	8.15	-21.21
212	Mewat	Hathin	Utanar	8.18	871	Nil	228	116	73	57	0.28	0.12	57	42	72	3.9	22	315	1.77	-2.56

213	Mewat	Punhana	Sikarwa	8.07	3090	Nil	200	596	422	192	0.93	0.01	138	151	184	216	15	966	2.58	-16.03	
214	Mewat	Punhana	Gulatha	Leaked																	
215	Mewat	Ferozpur	Ferozpur	8.66	6480	14	500	1736	807	36	0.69	0.03	16	121	1410	24	18	538	26.45	-2.09	
216	Mewat	Nagina	nagina	7.88	14640	Nil	143	4930	4028	70	2.07	0.07	601	1216	2400	20	13	6505	12.95	-127.65	
217	Mewat	Nuh	Akaira	8.08	2730	Nil	114	596	436	67	0.28	0.03	179	84	290	23	13	791	4.49	-13.94	
218	Mewat	Nuh	Malab	7.58	8600	Nil	186	2360	1967	118	0.59	0.05	525	264	1010	640	22	2397	8.98	-44.85	
219	Mewat	Nuh	Indri	7.95	2890	Nil	528	454	222	39	0.78	0.03	53	133	305	8.0	19	681	5.09	-4.96	
220	Palwal	Palwal	Pelakh	8.65	1633	59	226	236	146	75	0.39	0.02	8	55	262	15	28	245	7.28	0.76	
221	Palwal	Palwal	Pehladpur	Leaked																	
222	Palwal	Hodal	Badoli	8.72	1146	59	202	125	125	7.4	0.45	0.01	4	69	125	12	28	296	3.16	-0.65	
223	Palwal	Hodal	Acheja	8.65	1590	59	286	125	272	35	0.98	0.01	16	62	225	35	20	296	5.69	0.71	
224	Palwal	Hodal	Pirgow	8.50	2080	82	440	264	165	16	0.77	BDL	25	27	405	5.0	23	174	13.38	6.48	
225	Palwal	Hodal	Hassanpur	8.60	1879	94	345	195	252	12	1.26	0.02	20	35	365	5.0	22	194	11.40	4.90	
226	Palwal	Palwal	Rasulpur	8.52	1020	105	214	104	85	0.9	1.48	0.01	16	52	152	7.0	21	255	4.14	1.92	
227	Palwal	Palwal	Theraka	8.45	782	70	167	69	62	10	1.12	0.01	29	42	82	6.3	23	245	2.28	0.17	
228	Palwal	Palwal	Badram	Leaked																	
229	Palwal	Palwal	Baghola	8.39	2317	70	309	361	332	17	1.12	0.02	29	67	380	60	31	347	8.88	0.47	
230	Palwal	Palwal	Palwal	8.40	595	47	95	63	82	10	0.55	0.01	29	30	62	11	27	194	1.94	-0.76	
231	Palwal	Palwal	Lalwa	8.45	2040	59	274	278	326	28	1.64	BDL	29	136	205	5.4	21	633	3.55	-6.19	
232	Palwal	Hodal	Bamnikher	8.54	1687	82	464	167	132	23	0.91	0.02	20	45	290	39	25	235	8.24	5.64	
233	Palwal	Hodal	Tumsara	8.45	4740	117	881	862	263	17	0.71	0.06	12	174	605	285	18	745	9.64	3.44	
234	Palwal	Hodal	Dighaut	8.63	3218	94	286	521	545	1.2	0.79	0.01	20	97	540	60	21	449	11.09	-1.18	
235	Palwal	Hodal	Khambi	8.50	1774	105	357	195	162	0.6	0.59	0.02	12	10	385	5.0	17	71	19.82	7.93	
236	Palwal	Hodal	Hodal	Leaked																	
237	Palwal	Hathin	Kot	7.80	3915	0	286	785	662	62	0.21	0.01	143	176	460	5.0	25	1082	6.09	-16.94	
238	Palwal	Hathin	Lakhnachs	8.00	4357	0	178	1007	563	38	0.29	0.02	164	117	490	186	21	888	7.15	-14.82	
239	Palwal	Hathin	Hathin	8.56	3811	94	381	743	485	14	2.10	0.04	33	136	640	5.8	18	643	10.98	-3.49	
240	Palwal	Hathin	Mandkola	8.68	2950	94	345	549	290	36	0.97	0.04	12	149	415	4.4	25	643	7.12	-4.08	
241	Palwal	Hathin	Akbarpur	8.60	2615	47	381	472	305	11	1.85	0.03	16	97	435	8.5	18	439	9.03	-0.97	
242	Palwal	Hathin	Jaindapur	8.65	2362	47	488	334	272	9.1	0.86	0.04	8	92	385	8.0	16	398	8.40	1.60	
243	Panckula	Raipur Rani	Patwi	8.75	1595	59	309	139	192	67	BDL	0.03	17	35	285	1.0	16	186	9.10	3.31	

244	Panckula	Pinjore	Chandima	8.35	625	23	36	73	52	143	0.20	0.02	45	25	58	3.1	19	216	1.72	-2.96
245	Panckula	Pinjore	Abdullapu	8.35	405	23	59	52	12	49	0.09	0.02	37	15	26	4.2	20	155	0.91	-1.34
246	Panckula	Pinjore	Dharampu	7.80	650	Nil	250	49	15	55	0.06	0.02	70	25	26	1.2	25	278	0.68	-1.47
247	Panckula	Pinjore	Khera	7.90	545	Nil	214	42	BDL	44	0.24	0.03	50	15	40	1.3	25	186	1.28	-0.20
248	Panckula	Pinjore	Garidan	8.20	308	Nil	178	10	BDL	16	BDL	0.03	50	2.5	19	0.9	26	134	0.71	0.25
249	Panckula	Pinjore	Kona	8.45	328	47	24	31	5.0	33	0.07	0.03	33	7.5	28	1.4	20	113	1.14	-0.32
250	Panckula	Pinjore	Mahranwa	8.30	300	35	95	14	BDL	13	0.10	0.02	37	10	16	1.7	19	134	0.60	0.05
251	Panckula	Pinjore	Devinagar	8.60	330	12	143	10	24	9.2	BDL	0.03	21	13	38	2.6	19	103	1.63	0.67
252	Panckula	Pinjore	Fatehpur	8.21	265	Nil	143	6.9	BDL	5.1	0.16	0.02	29	5.0	18	2.0	19	93	0.81	0.49
253	Panckula	Raipur Rani	Raipur	7.95	495	Nil	250	14	8.0	38	0.00	0.03	37	23	36	2.2	20	186	1.15	0.39
254	Panckula	Raipur Rani	Hangola	8.35	605	35	107	49	12	90	0.21	0.02	37	10	77	1.4	15	134	2.89	0.25
255	Panckula	Barwala	Batwal	8.15	810	Nil	452	35	9.0	25	0.43	0.03	54	33	84	3.4	20	268	2.23	2.05
256	Panckula	Barwala	Kheri	7.95	1040	Nil	297	118	12	136	0.07	0.03	45	30	136	2.7	21	237	3.84	0.14
257	Panckula	Raipur Rani	Golpur	8.95	1710	Nil	512	139	115	196	0.22	0.02	23	34	325	3.5	22	196	10.11	4.47
258	Panckula	Raipur Rani	Jaspur	8.23	800	Nil	393	42	BDL	90	0.25	0.02	37	19	130	2.2	20	170	4.34	3.04
259	Panckula	Raipur Rani	Kakkar	7.89	2500	Nil	393	361	205	305	0.72	0.05	103	113	265	2.5	26	722	4.29	-7.99
260	Panckula	Barwala	Bataour	8.81	535	59	250	6.9	BDL	3.6	0.61	0.02	12	28	82	2.3	18	144	2.97	3.16
261	Panipat	Israna	Shahpur	8.45	620	18	214	21	75	13	0.76	BDL	25	45	34	5.6	17	246	0.94	-0.84
262	Panipat	Israna	Israna	8.45	901	18	178	93	200	5.7	0.16	0.23	29	37	132	8.5	17	226	3.83	-0.96
263	Panipat	Samalkha	Patti	8.59	544	35	155	28	60	20	0.9	BDL	29	32	46	3.5	19	205	1.40	-0.38
264	Panipat	Samalkha	Dakadla	8.56	2025	70	333	73	570	BDL	0.98	BDL	37	25	418	6.0	20	195	13.02	3.89
265	Panipat	Madlanda	Untila	8.54	3940	70	202	570	1050	3.1	0.9	BDL	66	217	500	59	21	1057	6.69	-15.49
266	Panipat	Madlanda	Lahori	8.79	2345	199	666	100	290	1	0.43	0.43	12	10	579	6	13	72	29.88	16.13
267	Panipat	Madlanda	Urlana	8.54	1610	70	190	194	220	21	1.35	BDL	58	30	180	137	20	267	4.78	0.09
268	Panipat	Israna	Sink	8.57	842	59	321	21	45	30	0.46	0.12	41	35	101	2.3	18	246	2.80	2.31
269	Panipat	Israna	Khalila	8.3	2755	Nil	345	380	520	138	0.82	BDL	49	142	350	14	23	708	5.73	-8.47
270	Panipat	Samalkha	Naraina	Leaked																
271	Panipat	Samalkha	Tajpur	8.6	671	47	226	28	70	1.0	2.23	0.02	16	2	150	3.0	13	51	9.40	4.31
272	Panipat	Bapoli	Sanauli	8.62	504	47	155	10	50	1.0	0.45	BDL	33	20	53	2.5	19	164	1.80	0.81
273	Panipat	Panipat	Babail	8.58	504	35	119	24	79	BDL	0.96	BDL	25	32	39	3.0	16	195	1.22	-0.76
274	Rewari	Nahar	Bahu jolri	8.55	2140	120	757	368	64	42	0.72	0.08	24	63	456	60	22.3	320	11.09	10.01

275	Rewari	Rewari	Masani	7.98	3570	Nil	366	1075	517	49	0.57	0.06	136	122	723	5.5	17	841	10.85	-10.81
276	Rewari	Rewari	Sangwari	8.42	1471	48	85	279	136	29	0.20	0.06	24	22	254	18	13	150	9.02	0.00
277	Rewari	Bawal	Karranar	8.90	988	60	281	106	81	20	0.52	0.04	20	68	109	1.4	20	330	2.61	0.01
278	Rewari	Khol	Mandola	8.50	770	24	177	102	23	60	0.50	0.05	24	19	120	3.3	17	140	4.41	0.90
279	Rewari	Khol	Rohlana	8.42	5790	48	537	1851	650	69	1.85	0.05	160	243	1170	14	17	1401	13.60	-17.60
280	Rewari	Rewari	Gangia	7.74	9470	Nil	171	3811	606	700	0.41	0.05	480	584	1410	12	23	3603	10.22	-69.20
281	Rohatk	Lakhan	Lakhan	7.85	1563	Nil	354	252	106	43	2.22	BDL	62	92	23	145	10	533	0.43	-4.86
282	Rohatk	Maham	Nidana	8.03	3420	Nil	750	688	250	9.9	1.96	0.18	85	157	318	300	16	859	4.72	-4.86
283	Rohatk	Maham	Maham	7.9	1229	Nil	320	245	40	6.3	0.18	BDL	89	53	82	43	14	439	1.70	-3.56
284	Rohatk	Maham	Maham	8.17	4850	Nil	662	681	403	669	0.73	BDL	111	81	400	723	15	611	7.04	-1.35
285	Rohatk	Rohatk	Baland	8.22	797	Nil	194	74	175	2.6	0.45	BDL	22	25	126	0.4	19	158	4.36	0.03
286	Rohatk	Maham	Samargopa	Leaked																
287	Rohatk	Rohatk	Kansala	8.04	3880	Nil	434	935	379	70	0.17	BDL	76	175	405	255	18	911	5.84	-11.07
288	Rohatk	Sampla	Hassangar	7.99	1166	Nil	365	156	98	16	0.85	BDL	35	76	102	31	19	398	2.22	-2.01
289	Rohtak	Sampla	Sampla	8.22	1341	Nil	419	218	77	15	1.47	BDL	18	56	165	109	16	275	4.33	1.36
290	Rohtak	Sampla	Kharawar	8.23	640	Nil	233	51	75	6.1	0.73	BDL	26	42	54	2.7	16	237	1.52	-0.93
291	Rohtak	Rohtak	Rohtak	8.57	1008	26	271	97	80	27	0.05	0.12	48	22	82	100	38	210	2.46	1.10
292	Rohtak	Kalanaur	Kalanaur	8.85	1580	68	609	139	113	3.9	1.52	0.3	64	28	174	216	17	275	4.57	6.75
293	Rohtak	Kalanaur	Bhalandpu	8.64	1490	54	310	227	210	2.65	1.23	0.03	40	88	103	139	15	460	2.09	-2.35
294	Rohtak	Rohtak	Jassia	8.19	4890	Nil	235	1043	847	436	0.73	0.03	75	306	414	345	19	1446	4.74	-25.06
295	Rohtak	Rohtak	Rukhi	8.13	3080	Nil	152	313	1514	0.2	4.14	0.03	97	138	625	10	9	811	9.56	-13.70
296	Sirsa	Sirsa	Ding	8.29	880	Nil	240	96	132	115	0.85	0.10	40	85	39	8.5	16	450	0.80	-5.06
297	Sirsa	Dabwali	Rasalia	8.11	7210	Nil	206	1389	2833	64	3.15	0.10	253	202	1660	26	13	1461	18.90	-25.82
298	Sirsa	Odhan	Panniwala	8.02	4510	Nil	123	787	1844	19	2.74	0.10	192	156	983	18	11	1120	12.78	-20.37
299	Sirsa	Odhan	Nuhian	7.68	273	Nil	126	6.9	48	1.6	0.46	0.09	31	13	12	3.2	15	131	0.46	-0.55
300	Sirsa	Rania	Goriwala-	8.01	1509	Nil	214	179	400	63	2.07	0.09	28	52	263	13	17	282	6.82	-2.13
301	Sirsa	Dabwali	Mastian	8.12	1270	Nil	93	145	390	34	1.37	0.14	24	37	222	8.8	11	212	6.63	-2.71
302	Sirsa	Dabwali	Dabwali	7.63	270	Nil	105	14	35	0.1	0.29	0.11	22	18	10	8.0	9	129	0.38	-0.86
303	Sirsa	Dabwali	Mangiana	9.15	1847	52	367	109	489	29	4.52	0.12	20	36	430	8.0	14	198	13.30	3.79
304	Sirsa	Odhan	Kalawali	8.64	4190	77	53	1062	1122	64	1.89	0.13	87	308	650	16	16	1486	7.34	-26.26
305	Sirsa	Baragudha	Phaggu-Pz	9.06	4740	77	499	654	1336	26	2.93	0.13	32	87	1070	16	16	436	22.30	2.03

306	Sirsa	Baragudha	Rori	9.01	2680	77	499	299	575	59	0.66	0.16	32	58	590	14	14	317	14.42	4.41
307	Sonipat	Ganaur	Garhiwal	8.35	5370	12	161	1179	950	1.5	3.88	BDL	119	319	596	10	21	1611	6.46	-29.14
308	Sonipat	Mundlana	Butana	8.59	1550	59	244	211	145	20	1.00	BDL	18	57	226	5.0	20	282	5.88	0.38
309	Sonipat	Mundlana	Jagsi	8.51	2520	47	250	273	540	24	2.87	BDL	18	70	438	12	19	333	10.44	-0.99
310	Sonipat	Ganaur	Ahulana	8.2	5800	Nil	274	1210	900	95	0.66	BDL	99	189	818	182	30	1026	11.12	-16.00
311	Sonipat	Gohana	Bhanderi	8.49	1597	47	375	166	220	7.5	0.21	2.78	76	19	221	98	23	267	5.87	2.35
312	Sonipat	Ganaur	Mahra	8.61	1046	47	292	142	35	1.0	0.54	0.05	18	62	90	51	23	303	2.26	0.35
313	Sonipat	Gohana	Rukhi	8.62	6988	111	922	643	2300	2.0	3.52	0.05	2.1	113	1675	17	16	472	33.61	9.41
314	Sonipat	Gohana	Gohana	8.5	1239	76	71	221	145	3.8	2.4	BDL	55	24	196	6.0	14	236	5.55	-1.01
315	Sonipat	Gohana	Lath	8.45	610	18	178	55	90	6.3	1.09	BDL	14	37	75	4.1	13	190	2.39	-0.22
316	Sonipat	Gohana	Khanpur	8.4	528	12	155	28	90	4.0	0.9	BDL	16	17	76	3.2	14	113	3.15	0.74
317	Sonipat	Sonipat	Pinana	8.56	3621	59	577	598	450	45	0.85	BDL	6.2	96	441	480	20	410	9.47	3.22
318	Sonipat	Sonipat	Mohana	8.49	3580	59	387	131	1200	19	15.72	BDL	16	39	770	14	11	200	23.67	4.30
319	Sonipat	Gohana	Bhainswal	8.3	432	Nil	214	17	35	BDL	1.18	BDL	14	36	25	6.0	21	185	0.80	-0.15
320	Sonipat	Kharkhauda	Farmana	8.26	1580	Nil	143	287	220	65	0.55	BDL	33	55	230	11	16	308	5.70	-3.83
321	Sonipat	Kharkhauda	Rohat	8.24	1580	Nil	155	287	220	64	0.55	BDL	58	37	234	11	15	297	5.91	-3.40
322	Sonipat	Sonipat	Barwasni	8.4	277	12	113	7.0	10	0.6	0.34	0.21	31	11	6.1	2.1	17	123	0.24	-0.20
323	Sonipat	Sonipat	Bohela	8.59	2539	82	393	311	400	40	0.77	BDL	12	85	359	112	13	380	8.02	1.58
324	Sonipat	Sonipat	Machri	8.52	696	18	143	17	190	2.9	0.19	BDL	16	52	55	6.1	15	256	1.50	-2.13
325	Sonipat	Rai	Rai	8.54	2231	53	184	238	580	36	0.59	BDL	25	110	330	12	22	513	6.33	-5.50
326	Sonipat	Rai	Nahri	8.48	731	29	196	90	45	0.5	0.08	BDL	6	51	73	3.6	26	226	2.12	-0.31
327	Sonipat	Gohana	Janti	8.18	2645	Nil	83	529	570	BDL	0.36	BDL	92	126	306	13	24	749	4.87	-13.59
328	Sonipat	Rai	Badauli	8.45	628	23	131	59	90	1.8	0.10	BDL	14	42	53	7.8	18	210	1.60	-1.24
329	Sonipat	Gohana	Keheora	8.5	634	41	208	17	40	9.4	0.48	BDL	23	42	39	8.2	21	231	1.12	0.18
330	Sonipat	Gohana	Rasoi	8.62	1905	59	303	308	200	BDL	0.42	BDL	8.2	72	309	11	20	318	7.55	0.61
331	Sonipat	Sonipat	Bhatgaon	8.39	3549	29	226	671	700	17	0.5	BDL	129	140	326	225	20	898	4.73	-13.28
332	Sonipat	Sonipat	Murthal	8.58	1080	53	303	90	100	BDL	0.96	BDL	14	34	178	6.5	17	174	5.86	3.24
333	Sonipat	Ganaur	Datauli	8.58	1369	76	315	69	250	BDL	0.29	BDL	10	32	269	8	21	159	9.35	4.57
334	Sonipat	Ganaur	Purkhas	Leaked																
335	Sonipat	Ganaur	Pugthala	8.4	1852	12	167	384	170	83	0.79	BDL	41	142	114	16	21	687	1.89	-10.59
336	Sonipat	Mundlana	Chirana	8.56	410	29	125	17	50	5.2	BDL	BDL	31	30	16	5.1	17	200	0.49	-1.00

337	Sonipat	Mundlana	Mudlana	7.94	9037	Nil	422	1974	1950	13	2.93	0.81	78	344	1652	22	20	1611	17.91	-25.26
338	Yamunan	Sadaura	Sadaura	8.88	763	70	167	83	12	19	0.54	BDL	29	35	85	4.2	18	214	2.53	0.79
339	Yamunana	Sadaura	Rasulpur	7.05	953	Nil	214	129	129	2.0	0.19	BDL	78	17	105	5.7	17	265	2.80	-1.79
340	Yamunana	Sadaura	Sabri	Leaked																
341	Yamunana	Jagadri	Bilaspur	7.25	795	Nil	131	76	82	135	0.24	BDL	33	22	110	0.8	20	174	3.63	-1.32
342	Yamunana	Chhachroli	Khijrabad	7.45	355	Nil	167	6.9	58	18	0.24	BDL	25	27	22	2.6	20	174	0.73	-0.74
343	Yamunana	Chhachroli	Choli	8.55	300	23	131	14	8	6.0	0.31	BDL	35	5	32	5.0	22	107	1.34	0.78
344	Yamunana	Jagadri	Mustafaba	8.40	1177	35	286	132	120	2.1	0.53	BDL	18	26	205	10	11	153	7.21	2.79
345	Yamunana	Jagadri	Shadipur	8.48	325	82	12	6.9	20	BDL	0.14	BDL	25	14	25	5.6	20	117	1.00	0.58
346	Yamunana	Jagadri	Yamunana	8.50	323	12	131	14	25	8.7	0.34	BDL	22	15	28	4.4	18	117	1.12	0.19
347	Yamunana	Jagadri	Bamboli	8.55	536	23	173	45	42	BDL	0.30	0.01	20	32	45	8.9	23	184	1.44	-0.06
348	Yamunana	Jagadri	Dhaurang	8.57	321	41	101	24	BDL	BDL	0.36	BDL	29	12	28	4.5	24	122	1.10	0.57
349	Yamunana	Chhachroli	Chachhrau	8.53	403	23	167	14	15	1.4	0.43	0.01	29	17	30	6.7	19	143	1.09	0.65
350	Yamunana	Chhachroli	Naggal	8.35	689	23	178	28	118	5.0	0.18	BDL	41	22	60	25	18	194	1.87	-0.17
351	Yamunana	Radaur	Radaur	8.53	343	18	89	38	32	5.0	0.48	BDL	29	15	28	4.6	25	133	1.06	-0.60

Results of chemical analysis of Arsenic & Iron					
Groundwater samples, NHS in Haryana (2015)					
S. No	District	Block	Location	As in mg/l	Fe in mg/l
1	Ambala	Ambala	Balana	0.058	0.008
2	Ambala	Ambala	Pinjora	0.008	0.1764
3	Ambala	Ambala	Ambala Cantt.	0.002	0.8435
4	Ambala	Ambala	Kakru	0.005	0.1338
5	Ambala	Ambala	Panjokera	0.002	BDL
6	Ambala	Naraingarh	Naraingarh	0.001	0.26
7	Ambala	Barara	Mullana	0.003	2.4463
8	Ambala	Barara	Dhanura	0.008	8.428
9	Ambala	Barara	Khan Amdalpura	0.001	0.14
10	Ambala	Barara	Saha	0.001	0.1447
11	Ambala	Barara	Uplana	0.001	BDL
12	Bhiwani	Dadri	Imlota	BDL	1.5825
13	Bhiwani	Dadri	Chiriya	BDL	0.2059
14	Bhiwani	Bhiwani	Halawas	BDL	BDL
15	Bhiwani	Bhiwani	Badala	BDL	0.9991
16	Bhiwani	Bound Kalan	Bonnd Kalan	BDL	0.2789
17	Bhiwani	Dadri	Sanwar	0.001	0.3981
18	Bhiwani	Bhiwani	Manheru	0.003	0.0514
19	Bhiwani	Dadri	Dadri	0.001	0.9773
20	Bhiwani	Dadri	Mahana	BDL	BDL
21	Bhiwani	Badhra	Naya Atela	0.004	BDL
22	Bhiwani	Kairu	Hetampura	0.004	1.4675
23	Bhiwani	Bhiwani	Lohani	BDL	0.7599
24	Bhiwani	Badhra	Gopi	0.001	BDL
25	Bhiwani	Kairu	Jui Kalan	BDL	BDL
26	Bhiwani	Loharu	Loharu	BDL	BDL
27	Bhiwani	Loharu	Singhani	0.001	0.597
28	Bhiwani	Kairu	Sungarpur	BDL	0.0833
29	Bhiwani	Tosham	Bajina	BDL	1.3667
30	Bhiwani	Tosham	Miran	0.003	0.09
31	Bhiwani	Siwani	Siwani	0.003	0.5634
32	Bhiwani	Siwani	Barwah	0.005	BDL
33	Bhiwani	Siwani	Gurera	0.007	BDL
34	Bhiwani	Siwani	Mohila	BDL	0.5248
35	Bhiwani	Siwani	Jhumpa Kalan	0.004	BDL
36	Bhiwani	Kairu	Isharwal	BDL	BDL
37	Bhiwani	Tosham	Patandi	BDL	BDL

38	Bhiwani	Bawani Khera	Sui	0.001	BDL
39	Bhiwani	Tosham	Sagwan	BDL	0.0078
40	Bhiwani	Tosham	Laxmanpura	0.011	0.1144
41	Bhiwani	Tosham	Tosham	0.001	1.4448
42	Bhiwani	Bawani Khera	Bohal	BDL	0.2537
43	Bhiwani	Bhiwani	Dhanana	BDL	BDL
44	Bhiwani	Bhiwani	Bhiwani	BDL	0.0573
45	Bhiwani	Bawani Khera	Bawani Khera	0.001	0.116
46	Bhiwani	Bhiwani	Bamla	BDL	0.2386
47	Faridabad	Ballabgarh	Tigaon	0.004	0.0087
48	Faridabad	Ballabgarh	Ballabgarh	BDL	BDL
49	Faridabad	Ballabgarh	Sikri	BDL	0.8458
50	Faridabad	Ballabgarh	Jawan	BDL	0.0105
51	Faridabad	Faridabad	Pali	BDL	1.1092
52	Faridabad	Faridabad	Bhopani	BDL	11.638
53	Faridabad	Ballabgarh	Kabulpur	BDL	1.5109
54	Fatehabad	Bhattukalan	Bhattu Kalan	BDL	BDL
55	Fatehabad	Bhattukalan	Mehuwala	BDL	BDL
56	Fatehabad	Bhuna	Nehla	BDL	0.414
57	Fatehabad	Tohana	Samain	BDL	BDL
58	Gurgaon	Sohna	Kherla	BDL	0.1186
59	Gurgaon	Sohna	Sohna	BDL	0.0096
60	Gurgaon	Gurgaon	Gawalpahari	BDL	0.1408
61	Gurgaon	Gurgaon	Sheikhopur	BDL	0.1027
62	Gurgaon	Pataudi	Lokara	BDL	0.0566
63	Gurgaon	Pataudi	Nanu Kalan	BDL	0.0246
64	Gurgaon	Pataudi	Mauzabad	BDL	BDL
65	Gurgaon	Pataudi	Noorgarh	BDL	0.0521
66	Gurgaon	Pataudi	Halley Mandli	BDL	BDL
67	Gurgaon	Farukhnagar	Jamalpur	BDL	BDL
68	Gurgaon	Gurgaon	Wapios	BDL	0.0521
69	Gurgaon	Gurgaon	Gurgaon	BDL	0.0974
70	Gurgaon	Gurgaon	Wazirpur	BDL	0.0087
71	Gurgaon	Gurgaon	Meoka	BDL	0.2889
72	Gurgaon	Farukhnagar	Chandu	0.002	0.1027
73	Gurgaon	Farukhnagar	Kheda Khurampur	BDL	0.0078
74	Gurgaon	Farukhnagar	Sewani	BDL	0.0016
75	Gurgaon	Farukhnagar	Machana	BDL	0.39
76	Hissar	Hissar-II	Chaudhariwas	0.001	0.0397
77	Hissar	Adampur	Kirtan	BDL	1.0063
78	Hissar	Barwala	Behbalpur-Pz	Leaked	Leaked
79	Hissar	Agroha	Kanoh-Pz	0.005	0.0069

80	Hissar	Agroha	Samani	0.003	BDL
81	Hissar	Uklana	Sahu	0.001	Leaked
82	Hissar	Uklana	Uklana	BDL	BDL
83	Hissar	Barwala	Juglan	0.001	BDL
84	Hissar	Barwala	Barwala2	BDL	0.0974
85	Hissar	Barwala	Banbahuri	0.001	0.0087
86	Hissar	Narnaud	Khotkalan	0.007	0.3465
87	Hissar	Bass	Bas	0.001	BDL
88	Hissar	Narnaud	Mothmajri	0.001	0.9079
89	Hissar	Hansi	Dhamundi Rampur	0.001	0.0096
90	Hissar	Hansi	Rajli Cross	0.001	0.1656
91	Hissar	Barwala	Gain Pura	0.001	BDL
92	Hissar	Hissar-I	Mirka	0.001	BDL
93	Hissar	Hissar-I	Balawas I	0.001	BDL
94	Hissar	Hansi	Umra	0.001	0.3962
95	Hissar	Agroha	Agroha	0.001	0.0078
96	Hissar	Agroha	Kaliravan	0.001	BDL
97	Hissar	Adampur	Ghursal-Pz	0.001	BDL
98	Jhajjar	Bahadurgarh	Kulashi	0.36	1.3533
99	Jhajjar	Bahadurgarh	Bahadurgarh	BDL	0.67
100	Jhajjar	Bahadurgarh	Samnkol	BDL	0.0883
101	Jhajjar	Beri	Dighal	BDL	0.0892
102	Jhajjar	Beri	Chamanpura	BDL	2.6049
103	Jhajjar	Bahadurgarh	Chhara	BDL	0.0598
104	Jhajjar	Bahadurgarh	Dulehra	BDL	BDL
105	Jhajjar	Bahadurgarh	Gubhana	BDL	1.4482
106	Jhajjar	Bahadurgarh	Badli	BDL	0.9403
107	Jhajjar	Jhajjar	Jhajjar	BDL	0.2201
108	Jhajjar	Jhajjar	Hassangarh	BDL	BDL
109	Jhajjar	Salahwas	Subhana	BDL	BDL
110	Jhajjar	Salahwas	Salawas	BDL	0.3628
111	Jhajjar	Matanhel	Mundsa	BDL	0.0648
112	Jhajjar	Beri	Beri	BDL	0.367
113	Jhajjar	Beri	Wazirpur	BDL	0.0556
114	Jhajjar	Matanhel	Chhuchhakwas	BDL	0.1429
115	Jhajjar	Dadri	Bigoa	BDL	1.4213
116	Jhajjar	Beri	Majra	0.002	0.5634
117	Jhajjar	Beri	Dubaldhan	0.001	BDL
118	Jind	Safidon	Safidon	BDL	BDL
119	Jind	Safidon	Bhuslana	BDL	BDL
120	Jind	Jind	Jhanj Kalan	BDL	0.0143
121	Jind	Uchana	Khatgarh	BDL	1.626

122	Jind	Uchana	Uchana	0.002	0.0715
123	Jind	Uchana	Kuchana Khurd	0.001	0.4246
124	Jind	Narwana	Narwama	0.001	0.1817
125	Jind	Narwana	Mohal Khera	BDL	0.108
126	Jind	Narwana	Rasidon	BDL	0.1427
127	Jind	Narwana	Dindoli	BDL	0.5842
128	Jind	Narwana	Kurar	0.002	0.062
129	Jind	Jind	Kishanpura	0.001	0.095
130	Jind	Safidon	Lohchas	0.002	1.8151
131	Jind	Alewa	Alewa	BDL	0.919
132	Jind	Alewa	Dorana	BDL	0.0932
133	Jind	Julana	Brahmanwas	BDL	0.0802
134	Jind	Julana	Jhamola	BDL	0.5131
135	Kaithal	Guhla	Balbera	BDL	0.0455
136	Kaithal	Guhla	Khanpur	BDL	0.0047
137	Kaithal	Kaithal	Padla	BDL	0.1496
138	Kaithal	Kaithal	Guhna	BDL	0.5868
139	Kaithal	Kaithal	Peoda	BDL	0.01
140	Kaithal	Kalayat	Kelram	0.008	0.0629
141	Kaithal	Kalayat	Kalayat	BDL	1.4161
142	Kaithal	Kalayat	Mataur	BDL	1.0691
143	Kaithal	Rajond	Kithana	BDL	1.4438
144	Kaithal	Rajond	Jakhauli	BDL	0.0143
145	Kaithal	Pundri	Bhana	BDL	0.1357
146	Kaithal	Pundri	Jateri	BDL	0.8453
147	Kaithal	Pundri	Pundri	BDL	1.5436
148	Kaithal	Kaithal	Mundri	BDL	0.7638
149	Kaithal	Kaithal	Manaspatti	BDL	0.0082
150	Kaithal	Pundri	Jandaula	0.002	0.062
151	Kaithal	Pundri	Kaul	0.001	0.18
152	Kaithal	Pundri	Sirsal	0.001	0.0169
153	Karnal	Indri	Doms	0.001	0.0954
154	Karnal	Karnal	Basthali	0.002	0.0691
155	Karnal	Assand	Pacca Khera	0.002	0.0699
156	Karnal	Nissing	Majra Roran	0.001	0.0532
157	Karnal	Nilokheri	Amin	0.001	0.0644
158	Karnal	Nilokheri	Saunkra	0.001	0.2426
159	Karnal	Nissing	Jundla	BDL	0.0397
160	Karnal	Gharaunda	Phurlak	BDL	0.8643
161	Karnal	Indri	Kalri Jagir	0.001	0.7799
162	Karnal	Karnal	Shekhpura	0.001	0.0763
163	Karnal	Karnal	Newal	0.006	0.0596

164	Karnal	Gharaunda	Garhi Khajur	0.001	1.6387
165	Karnal	Gharaunda	Kutail	BDL	0.1057
166	Karnal	Gharaunda	Balhera	BDL	0.163
167	Karnal	Indri	Indri	Leaked	
168	Karnal	Gharaunda	Faridkot	0.001	0.1774
169	Karnal	Karnal	Chorpur	0.002	2.1743
170	Karnal	Banagudha	Shergarh	0.006	0.1997
171	Karnal	Nissang	SanbhaliSitamarhi	0.001	0.7767
172	Karnal	Indri	Randauli	0.001	0.0763
173	Karnal	Indri	Kalri Jagir	0.001	0.3167
174	Karnal	Karnal	Shekhpura	0.001	0.128
175	Karnal	Karnal	Newal	0.001	0.1439
176	Karnal	Gharaunda	Garhi Khajur	0.001	0.0938
177	Karnal	Indri	Biana	0.003	0.0301
178	Karnal	Indri	Nanehra	0.002	0.3374
179	Kurukshetra	Pehowa	Ishaque	0.002	0.1774
180	Kurukshetra	Shahbad	Shahbad	Leaked	
181	Kurukshetra	Babain	Barthala	0.001	0.1623
182	Kurukshetra	Kurukshetra	Kaulapur	0.001	0.0731
183	Kurukshetra	Pehowa	Pehowa	0.002	0.0453
184	Kurukshetra	Pehowa	Thana	BDL	1.2797
185	Kurukshetra	Kurukshetra	Mathana	0.001	0.1487
186	Kurukshetra	Kurukshetra	Santokpur	0.002	0.0222
187	Kurukshetra	Pehowa	Bodhni	0.004	0.0954
188	Kurukshetra	Kurukshetra	Dabkhera	0.002	0.0453
189	Kurukshetra	Ladwa	Ban	0.001	0.124
190	Kurukshetra	Ladwa	Baronda	BDL	0.0532
191	Kurukshetra	Pehowa	Bachki	0.003	0.0962
192	Kurukshetra	Pehowa	Murtzapur	0.001	0.0715
193	Kurukshetra	Pehowa	Malikpur-Singhpura	0.001	0.0405
194	Kurukshetra	Shahabad	Samalkhi	BDL	0.0365
195	Kurukshetra	Thanesar	Sirsila	BDL	0.0476
196	Kurukshetra	Kurukshetra	Jognakhera	BDL	1.6459
197	Kurukshetra	Kurukshetra	Umri	0.001	0.1
198	Kurukshetra	Pehowa	Bateri	0.001	BDL
199	Kurukshetra	Thanesar	Bhramsarovar	0.001	BDL
200	Mahendergarh	Mahendergarh	Kheri Talwana	0.014	0.1278
201	Mahendergarh	Mahendergarh	Bnana	BDL	0.0413
202	Mahendergarh	Mahendergarh	Buchawas	BDL	BDL
203	Mahendergarh	Kanina	Kanina Khas	0.001	BDL
204	Mahendergarh	Kanina	Ratta Kalan	BDL	0.1933
205	Mahendergarh	Narnaul	Narnaul	BDL	0.4879

206	Mahendergarh	Mahendergarh	Deorli Ahir	0.003	0.6482
207	Mahendergarh	Mahendergarh	Jassawas	0.001	BDL
208	Mahendergarh	Mahendergarh	Jhanjriawas	BDL	BDL
209	Mahendergarh	Mahendergarh	Khatand	BDL	0.0455
210	Mahendergarh	Mahendergarh	Mahendergarh	BDL	BDL
211	Mewat	Taoru	Pipaks	BDL	0.139
212	Mewat	Taoru	Rangola Dhani	BDL	0.2011
213	Mewat	Taoru	Khori Kalan	BDL	0.8058
214	Mewat	Nuh	Nuh	BDL	0.1133
215	Mewat	Hathin	Utanar	BDL	2.387
216	Mewat	Punhana	Sikarwa	BDL	0.1816
217	Mewat	Punhana	Gulalta	0.003	1.0107
218	Mewat	Firozpur Zirks	Firozpur Ziks	BDL	0.6738
219	Mewat	Nagina	Nagina	BDL	2.0544
220	Mewat	Nuh	Akaira	0.007	1.4346
221	Mewat	Nuh	Malab	0.003	3.945
222	Mewat	Nuh	Indri	BDL	1.8869
223	Palwal	Palwal	Pelakh	Leaked	
224	Palwal	Palwal	Pehladpur	BDL	2.1901
225	Palwal	Hodal	Badoli	BDL	3.9495
226	Palwal	Hodal	Acheja	BDL	0.9886
227	Palwal	Hodal	Pirgow	BDL	0.3909
228	Palwal	Hodal	Hassanpur	0.001	0.0512
229	Palwal	Palwal	Rasulpur	0.001	2.661
230	Palwal	Palwal	Theraka	BDL	1.3903
231	Palwal	Palwal	Badram	BDL	1.6909
232	Palwal	Palwal	Baghola	BDL	0.7323
233	Palwal	Palwal	Palwal	BDL	0.2508
234	Palwal	Palwal	Lalwa	BDL	0.3856
235	Palwal	Hodal	Bamnikhera	BDL	BDL
236	Palwal	Hodal	Tumsara	0.001	0.014
237	Palwal	Hodal	Dighaut	BDL	0.8573
238	Palwal	Hodal	Khambi	BDL	2.3223
239	Palwal	Hodal	Hodal	BDL	0.3696
240	Palwal	Hathin	Kot	BDL	0.9247
241	Palwal	Hathin	Lakhnachs	0.016	0.0344
242	Palwal	Hathin	Hathin	0.001	0.3031
243	Palwal	Hathin	Mandkola	0.001	0.625
244	Palwal	Hathin	Akbarpur	BDL	2.8029
245	Palwal	Hathin	Jaindapur	BDL	3.471
246	Panchkula	Raipur Rani	Patwi	BDL	0.6369
247	Panchkula	Pinjore	Chandimandir	BDL	0.1594

248	Panchkula	Pinjore	Abdullapur	BDL	BDL
249	Panchkula	Pinjore	Dharampur	BDL	0.1122
250	Panchkula	Pinjore	Khera	BDL	0.0023
251	Panchkula	Pinjore	Garidan	0.001	0.068
252	Panchkula	Pinjore	Kona	0.001	0.0858
253	Panchkula	Pinjore	Mahranwali	BDL	BDL
254	Panchkula	Pinjore	Devinagar	BDL	BDL
255	Panchkula	Pinjore	Fatehpur	BDL	BDL
256	Panchkula	Raipur Rani	Raipur Rani	BDL	0.1183
257	Panchkula	Raipur Rani	Hangola	BDL	BDL
258	Panchkula	Barwala	Batwal	BDL	BDL
259	Panchkula	Barwala	Kheri	BDL	BDL
260	Panchkula	Raipur Rani	Golpur	BDL	BDL
261	Panchkula	Raipur Rani	Jaspur	BDL	BDL
262	Panchkula	Raipur Rani	Kakkar Majra	BDL	BDL
263	Panchkula	Barwala	Bataour	BDL	BDL
264	Panipat	Israna	Shahpur	BDL	0.016
265	Panipat	Israna	Israna	BDL	1.1463
266	Panipat	Samalkha	Patti Kalyana	BDL	0.0863
267	Panipat	Samalkha	Dakadla	BDL	0.1635
268	Panipat	Madlanda	Untila	BDL	BDL
269	Panipat	Madlanda	Lahori	0.005	0.0152
270	Panipat	Madlanda	Urlana Kalan	0.003	1.3155
271	Panipat	Israna	Sink	BDL	0.2086
272	Panipat	Israna	Khalila Majra	BDL	0.4307
273	Panipat	Samalkha	Naraina	BDL	0.3821
274	Panipat	Samalkha	Tajpur	BDL	0.1687
275	Panipat	Bapoli	Sanauli Khurd	BDL	0.4289
276	Panipat	Panipat	Babail	BDL	0.0958
277	Rewari	Nahar	Bahu Jolri	0.001	BDL
278	Rewari	Rewari	Masani	BDL	0.0512
279	Rewari	Rewari	Sangwari	BDL	2.0385
280	Rewari	Bawal	Karranar	BDL	0.7864
281	Rewari	Khol	Mandola	BDL	0.014
282	Rewari	Khol	Rohlana	BDL	BDL
283	Rewari	Rewari	Gangai Chajat	BDL	2.5262
284	Rohtak	Lakhan Majra	Lakhan Majra	0.001	0.263
285	Rohtak	Maham	Nidana	0.04	0.0371
286	Rohtak	Maham	Maham	BDL	0.0741
287	Rohtak	Maham	Madina	BDL	BDL
288	Rohtak	Rohtak	Baland	BDL	0.0783
289	Rohtak	Maham	Samar Gopalpur	BDL	0.2033

290	Rohtak	Rohtak	Kansala	BDL	BDL
291	Rohtak	Sampla	Hassangarh	BDL	1.4423
292	Rohtak	Sampla	Sampla	BDL	0.5718
293	Rohtak	Sampla	Kharawar	BDL	5.839
294	Rohtak	Rohtak	Rohtak	0.005	BDL
295	Rohtak	Kalanaur	Kalanaur	0.002	BDL
296	Rohtak	Kalanaur	Bhalandpur	0.004	BDL
297	Rohtak	Rohtak	Jassia	BDL	0.2814
298	Rohtak	Rohtak	Rukhi	BDL	2.2456
299	Sirsa	Sirsa	Ding	0.001	BDL
300	Sirsa	Dabwali	Rasalia Khera	0.001	0.1426
301	Sirsa	Odhan	Panniwala Mota	0.001	0.0663
302	Sirsa	Odhan	Nuhian Wali	0.001	0.0867
303	Sirsa	Rania	Goriwala-Pz	0.001	0.0051
304	Sirsa	Dabwali	Mastian	0.003	0.1506
305	Sirsa	Dabwali	Dabwali	0.001	0.0442
306	Sirsa	Dabwali	Mangiana	0.002	0.0105
307	Sirsa	Odhan	Kalanwali Mandi	0.02	0.5169
308	Sirsa	Baragudha	Phaggu-Pz	0.003	0.0229
309	Sirsa	Baragudha	Rori	0.001	BDL
310	Sonipat	Ganaur	Garhwal	BDL	4.201
311	Sonipat	Mundlana	Butana	BDL	0.2138
312	Sonipat	Mundlana	Jagsi	0.001	0.0464
313	Sonipat	Ganaur	Ahulana	0.006	BDL
314	Sonipat	Gohana	Bhanderi	0.011	0.2199
315	Sonipat	Ganaur	Mahra	0.002	6.486
316	Sonipat	Gohana	Rukhi	0.001	0.1262
317	Sonipat	Gohana	Gohana	0.003	0.0342
318	Sonipat	Gohana	Lath	BDL	0.2181
319	Sonipat	Gohana	Khanpur Kalan	BDL	0.1869
320	Sonipat	Sonipat	Pinana	0.001	0.0082
321	Sonipat	Sonipat	Mohana	0.001	0.147
322	Sonipat	Gohana	Bhainswal Kalan	0.003	0.1782
323	Sonipat	Kharkhauda	Farmana	0.007	0.0047
324	Sonipat	Kharkhauda	Rohat	0.001	BDL
325	Sonipat	Sonipat	Barwasni	0.001	2.9627
326	Sonipat	Sonipat	Bohela	BDL	0.6128
327	Sonipat	Sonipat	Machri	BDL	1.1706
328	Sonipat	Rai	Rai	BDL	0.049
329	Sonipat	Rai	Nahri	BDL	0.0984
330	Sonipat	Gohana	Janti Khurd	BDL	1.1194
331	Sonipat	Rai	Badauli	BDL	0.4411

332	Sonipat	Gohana	Keheora	BDL	0.6796
333	Sonipat	Gohana	Rasoi	BDL	0.2901
334	Sonipat	Sonipat	Bhatgaon	BDL	0.0004
335	Sonipat	Sonipat	Murthal	BDL	0.5625
336	Sonipat	Ganaur	Datauli	BDL	0.0412
337	Sonipat	Ganaur	Purkhas	BDL	1.0951
338	Sonipat	Ganaur	Pugthala	0.001	0.0507
339	Sonipat	Mudlana	Chirana	BDL	0.5911
340	Sonipat	Mudlana	Mudlana	BDL	1.77
341	Yamunanagar	Sadaura	Sadaura	0.001	0.0827
342	Yamunanagar	Sadaura	Rasulpur	0.005	9.5695
343	Yamunanagar	Sadaura	Sabri	0.002	0.3724
344	Yamunanagar	Jagadri	Bilaspur	BDL	0.4106
345	Yamunanagar	Chhachroli	Khijrabad	0.001	0.1503
346	Yamunanagar	Chhachroli	Choli	BDL	1.5519
347	Yamunanagar	Jagadri	Mustafabad	BDL	2.3837
348	Yamunanagar	Jagadri	Shadipur	0.001	0.1694
349	Yamunanagar	Jagadri	Yamunanagar	0.002	0.0453
350	Yamunanagar	Jagadri	Bamboli	0.002	BDL
351	Yamunanagar	Jagadri	Dhaurang	0.002	BDL
352	Yamunanagar	Chhachroli	Chachhrauli	0.001	3.5905
353	Yamunanagar	Chhachroli	Naggal	0.004	1.8574
354	Yamunanagar	Radaur	Radaur	0.001	0.0146