

मौसम विज्ञानीय वर्ष पुस्तिका

METEOROLOGICAL YEAR BOOK

जून 2016—मई 2017 June 2016-May 2017

गंगा बेसिन

GANGA BASIN

जल विज्ञानीय प्रेक्षण परिमण्डल

HYDROLOGICAL OBSERVATION CIRCLE

केन्द्रीय जल आयोग

CENTRAL WATER COMMISSION

देहरादून

DEHRADUN

प्रस्तावना

मौसम संबंधी आँकड़ों की सही जानकारी, कृषि, सिंचाई, उद्योग, उड्डयन, परिवहन एवं पर्यटन आदि क्षेत्रों के लिए अति उपयोगी है। बेसिन में जल की उपलब्ध मात्रा एवं प्रवाह के आकलन तथा विभिन्न योजनाओं के क्रियान्वयन हेतु मौसम से संबंधित आँकड़ों को ध्यान में रखना आवश्यक है।

केन्द्रीय जल आयोग का क्षेत्रीय कार्यालय, ऊपरी गंगा बेसिन संगठन, लखनऊ, उत्तर प्रदेश अपने गेज एवं प्रवाह मापन स्थलों पर सतही जल की मात्रा के आकलन के साथ जल गुणवत्ता मापन, निलम्बित गाद भार आकलन तथा बाढ़ पूर्वानुमान स्थलों पर बाढ़ पूर्वानुमान की गणना के साथ वर्षा तथा अधिकतम-न्यूनतम तापमान जैसे मौसम संबंधी आँकड़ें भी एकत्रित कर रहा है। इन सभी आँकड़ों में अन्तर-संबंध है। जल वैज्ञानिक आँकड़ों का विश्लेषण, मौसम संबंधी आँकड़ों के बगैर यथार्थता पूर्वक नहीं किया जा सकता।

ऊपरी गंगा बेसिन संगठन, लखनऊ, उत्तर प्रदेश, केन्द्रीय जल आयोग के अधीनस्थ कार्यालय, जल विज्ञानीय प्रेक्षण परिमण्डल देहरादून ने वर्ष 2016-17 के दौरान, परिमण्डल के 39 जल मौसम वैज्ञानिक प्रेक्षण स्थलों पर मौसम संबंधी आँकड़ें एकत्र किये हैं।

आशा है, इस पुस्तक में संकलित आँकड़ों विकास से सम्बन्धित विभिन्न परियोजनाओं के अभिकल्पन के लिए सहायक सिद्ध होंगे। इस पुस्तक को प्रकाशित करने में **श्री संजय कुमार सिब्बल, मुख्य अभियन्ता**, ऊपरी गंगा बेसिन संगठन, केन्द्रीय जल आयोग, लखनऊ द्वारा मूल्यवान मार्गदर्शन दिया गया, जिसके लिये यह कार्यालय उनका आभारी है।

मैं हिमालयी गंगा मण्डल, देहरादून, मध्य गंगा मण्डल-2, लखनऊ एवं जल विज्ञानीय प्रेक्षण परिमण्डल, केन्द्रीय जल आयोग, देहरादून के उन सभी अधिकारियों एवं कर्मचारियों के समर्पण की सराहना करता हूँ जिनके सहयोग से इस पुस्तक को वर्तमान स्वरूप में समयबद्ध तरीके से प्रकाशित किया जा सका है।

स्थान-देहरादून

(सुधीर कुमार)

अधीक्षण अभियन्ता

जल विज्ञानीय प्रेक्षण परिमण्डल,
केन्द्रीय जल आयोग,
देहरादून।

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1. INTRODUCTION

1.1 SCOPE

Central Water Commission is conducting Meteorological observations along with Hydrological observations, Sediment load observations, Water Quality observations and Flood Forecasting work etc. in different river basins. During the water year 2016-17 meteorological observations in the part of Ganga Basin (within administrative jurisdiction of HOC, Dehradun) were conducted at 39 stations under Himalayan Ganga Division, Dehradun & Middle Ganga Division-II, Lucknow. All of these stations are located in the state of Uttarakhand & Uttar Pradesh.

The details of the stations where Meteorological observations were conducted during the year 2016-17 are given in Table-1.

TABLE- 1

Sl. No.	Name of Station	Code No.
1.	Badrinath at Alaknanda	GG200V5
2.	Joshimath at Alaknanda	GG200S3
3.	Rudraprayag at Alaknanda	GG200G5
4.	Rudraprayag at Alaknanda B/Confl.	005-HGDDDN(e-swis)
5.	Srinagar at Alaknanda	GG200D5
6.	Karanprayag at Pinder	GG260J4
7.	Ganga Nagar at Mandakini	GG260A1
8.	Rudraprayag at Mandakkni	GG250I5
9.	Uttarkashi at Bhagirathi	GG250A5
10.	Koteswar at Bhagirathi	GG100K4
11.	Deoprayag at Bhagirathi	GG100E2
12.	Marora at Nayar	GG100A1
13.	Deoprayag at Ganga	GGZ00D3
14.	Rishikesh at Ganga	GG000Z9
15.	Nandkeshri at Pinder	GG000Y4
16.	Hardwar at Ganga	GG000X7
17.	Dharmnagari at Ganga	016-HGDDDN(e-swis)
18.	Garhmukteswar at Ganga	GG000T2
19.	Narora at Ganga	GG000Q8
20.	Bhikiyasen at Ramganga	GGH00X9

21.	Kalagarh at Ramganga	GGH00U3
22.	Moradabad at Gangan	GGH50F2
23.	Moradabad at Ramganga	GGH00P2
24.	Rampur at Kosi	GGH60B2
25.	Kachlabridge at Ganga	GG000P1
26.	Fatehgarh at Ganga	GG000K6
27.	Bareilly at Ramganga	GGH0019
28.	Dabri at Ramganga	GGH00C9
29.	Kannauj at Ganga	GG000J3
30.	Ankinghat at Ganga	GG00017
31.	Kanpur at Ganga	GG000G1
32.	Bhitaura at Ganga	GG000E7
33.	Dalmau at Ganga	GG000D9
34.	Bewar at Kali	GGI00E9
35.	Bani at Sai	GGx10R1
36.	Raibareli at Gomti	GGX10M2
37.	Neemsar at Gomti	GGX00U5
38.	Bhatpurwaghat at Gomti	GGX0081
39.	Lucknow at Gomti	GGX00Q3

1.2 Sources Of Information

The data presented in this meteorological year book has been observed by the Himalayan Ganga Division, Dehradun and Middle Ganga Division- II, Lucknow, under HOC, Dehradun.

1.3 Basin Description

- 1.3.1 The main Ganga Basin extends over an area of 1,07,331 sq. km. and covers large areas in the states of Uttarakhand, Uttar Pradesh, Bihar and West Bengal. The state wise distribution of the drainage areas is shown in Table 1.

TABLE 2

Name of State	Drainage area (sq.km.)	Percentage to total drainage area
Uttarakhand and Uttar Pradesh	71,302	66.4
Bihar	9,182	8.6
West Bengal	26,847	25.0
Total	1,07,331	100.0

- 1.3.2 The river Ganga rises in the Gangotri glacier in the Himalayas at an elevation of about 3,982 m above the mean sea level in the Uttarkashi district of Uttarakhand. At its source, the river is called the Bhagirathi. It descends down the valley upto Deoprayag. The river Alaknanda rises from the Indo-Tibetan border in the district Chamoli of Uttarakhand. Flowing through district Chamoli and serving as border line between Tehri Garhwal and Pauri Garhwal districts, it joins the river Bhagirathi at Deoprayag. The combined stream is called the 'Ganga'.

The river continues to flow down in torrents and cascades along the valley for a distance of about 160 km. and emerges into the plains at Haridwar in Uttarakhand.

The first hydrological observation site under this circle on Ganga is Deoprayag which is the confluence point of river Bhagirathi & Alaknanda and is also the initial point of Ganga main river. At Kannauj the first major tributary i.e. Ramganga meets the main river Ganga at left bank. The upper reaches of Gomti and Sai rivers are in the jurisdiction of HOC, Dehradun. The tributary Sai meets Gomti near Maighat (under HOC, Varanasi) and finally Gomti joins the river Ganga in far downstream of Varanasi from left. The last site under HOC, Dehradun in the main Ganga river is Dalmau, in Sai river is Raebareli and in Gomti river is Lucknow.

After leaving Uttar Pradesh, the river Ganga enters Bihar in the Bhojpur district and receives two important tributaries, the river Ghaghra from the left at Chhapra and the Sone from the right at Maner. The river Gandak, yet another left bank tributary, joins Ganga at Patna. The river in its course through Munger district, is wide and deep at all times of the year. At Pathar Ghat in

Saharsa district, the river receives the river Kosi, an important left bank tributary. Apart from the river Sone, other important tributaries to join the river Ganga on its right bank in Bihar are the river Pun-Pun, Kiul, Man, Chandan and Gerua.

After its confluence with the river Kosi, the Ganga continues its eastward flow in Bihar for about 40 km. As it enters West Bengal, the river swings round the Rajmahal hill range opposite to Manihari Ghat and starts flowing almost due south. The delta of the river Ganga can be said to start from Farakka in West Bengal.

The river divides into two arms about 40 km downstream of Farakka. The left arm, called the river Padma, flows eastward into Bangladesh while the right arm of the river, called the Bhagirathi, continues to flow south in West Bengal. After receiving tributaries, Dwarka and Ajay from right, Bhagirathi receives Jalangi just above Nabadwip town.

After its confluence with Jalangi, Bhagirathi is known as the river Hooghly. Calcutta, the biggest city in India, is situated on the banks of the river Hooghly. After Calcutta, the river receives Damodar and Rupnarayan tributaries from the right. After Diamond Harbour, the river resumes a southerly direction until it falls into Bay of Bengal.

The left arm of the main Ganga which flows into Bangladesh, where it is called as the river Padma, is joined by the river Brahmaputra and Meghna. All these rivers form a huge delta before ultimately falling into Bay of Bengal.

The total length of the river Ganga, from its point of origin to the point where it falls into the sea is about 2,525 km (measured along Bhagirathi and Hooghly) out of which 1,450 km lie in Uttarakhand and Uttar Pradesh, 445 km in Bihar and 520 km in West Bengal. The river forms the boundary between Uttar Pradesh and Bihar for over a length of 110 km. The salient details of its major tributaries are enumerated below.

Pinder river is tributary of river Alaknanda. It originates from the glacier near Nandakot peak in Chamoli district. It flows in south direction, then south-west and then north-west and joins river Alaknanda at left bank in Karanprayag. The two hydrological observation stations on this river are Nandkeshri and Karanprayag. The length of the river till Karanprayag is 120 km and catchment area is 1905 sq km.

Mandakani river is tributary of river Alaknanda. It originates from kedarnath hills in Rudraprayag district of Uttarakhand. Initially, it flows in south-west direction till Tilwara, later on in south-east and joins river Alaknanda at right bank in Rudraprayag. The two hydrological observation stations on this river are Ganganagar and Rudraprayag. The length of the river till Rudraprayag is 71 km and catchment area is 1649 sq km.

Nayar river is tributary of river Ganga. It emerges from Dudhatoli ranges of Garhwal in Pauri district of Uttarakhand. Initially, it flows in south direction then slowly turns in south-west and later in west direction and joins river Ganga at left bank near Vyas Ghat. The hydrological observation station on this river is Marora. The length of the river till Marora is 85 km and catchment area is 1934 sq km.

Ramganga River emerges from Dudhatoli ranges in Pauri Garhwal District of Uttarakhand. The length of Ramganga River is 155 km and the catchment area of the basin is 30,641 km square. This river flows to the southwest from kumaun Himalays. Ramganga is a tributary of Ganga, Which originates from the high-altitude Zone of 800 m to 900. It passes through Corbett National Park, near Ramnagar in Nainital district and and descends to the plains. The cities alongside the banks of Ramganga River are Moradabad, Bareilly, Badaun, Shahjahanpur and Hardoi of Uttar Pradesh state.

After Kalagarh dam, Ramganga flows in the southeast direction and finally joins Ganga on its left bank, near kanauj.

The entire river flows in Uttarakhand and Uttar Pradesh states. The important tributaries of Ramganga are Kho, Baigul, Gangan, Aril, Kosi and Deoha also known as Gorra. Ramganga flows through various places and consolidates many places into one. It passes through Taal, Chaukhutia, Bhagoti, Masi Bhikyasen etc. which comes under kumaon region.

Kosi is one of the major tributaries of river Ramganga and is one of the important river of northern part of Uttar Pradesh and Uttranchal. The major areas, which are parts of Kosi river basin, are Tota-aam and Garajiya in Almora, city Ramnagar (Distt. Nainital), Kashipur (Distt. Udham Singh Nagar), Dadiyal, Swar, Lalpur, and city Rampur.

The river Kosi originates from village Budha Peenath of Kausani region of district Almora (UK). After traveling a distance of about 100 km in lower Himalayas with higher velocity, it emerges at Ramnagar in Indo-Gangetic Plains, after which the velocity reduces considerably. In the initial stretch through the Shivalik range of Himalayas, it takes water from a number of major streams, and a major portion is diverted into a canal for irrigation purposes. After Ramnagar, it flows through the famous rice-belt area of Kashi. The total length of the river is about 240 km.

Gomti River originates near Mainkot, about 3 km east of the Pilibhit town in Uttar Pradesh, at an elevation of 200 m. The river drains the area between Ramganga and Ghaghra systems. The total length of the river is about 940 km and it flows entirely in the State of Uttar Pradesh. The total drainage area of the river is 30,443 sq km. The river flows through Sahajahanpur, Kheri, Lucknow, Barabanki, Sultanpur, Faizabad, Jaunpur, Varanasi and Ghazipur districts before merging into the Ganga about 6 km upstream of Saidpur town located on border of Varanasi and Ghazipur districts. Lucknow, the capital city of Uttar Pradesh, is situated on the banks of the Gomti River. The main tributaries of the Gomti River are the Gachai, the Sai, the Jomkai, the Barna, the Chhuha and the Kalyani. The first site on Gomti under the Circle is Neemsar.

- 1.3.3 The rainfall in the basin is dominated by the south-west monsoon from June to September which varies from region to region. The highest rainfall (2,142 mm) in Uttarakhand is in Dehradun district. The lowest rainfall (663 mm) in Uttar Pradesh is in Aligarh district. The highest rainfall (1,377 mm) in Jharkhand is in Santhal Parganas district. The lowest rainfall (992 mm) in Bihar is in Munger district. In West Bengal, the Howrah district gets the highest rainfall (1,629 mm) while the Nadia district gets the lowest (1,310 mm).

In the head reaches of the river, before the river comes out into the plains at Haridwar, the climate is influenced by the Himalayas. The winter is very cold whereas the summer is moderate. In the plains, however, the summer is very hot with the maximum temperature rising upto 48°C. Winter temperatures in the plains fall as low as 1°C. In the lowermost reach of the river in West Bengal, however the climate is moderated by the presence of a large number of channels and tanks.

1.3.4 Prior to independence only two projects, namely, the Upper Ganga Canal and the Lower Ganga Canal were in existence in the basin. During the plan period, capacity of both projects has been increased. The Upper Ganga Canal takes off from the Ganga at Haridwar and Lower Ganga Canal takes off from the Narora weir in Bulandshahar district. The Parallel Lower Ganga Canal is constructed in Aligarh district.

The Tehri Dam, a multipurpose project, is on river Bhagirathi near Tehri town. The Middle Ganga Canal project is in Bijnor district of Uttar Pradesh.

In addition to the above projects, a number of pumped canal irrigation schemes are provided in Uttar Pradesh and Bihar namely Dalmau, Narayanpur, Bhopauli, Balua, Deokali, Zamania, Chausa, Dokrnala, Bateshwarsthan, Surajgarh, Sakrigali, AjgabiNath and Suksenaghat.

Another important project on the river Ganga is the Farakka Barrage in the Murshidabad district of West Bengal. The project aims at the preservation of the port of Calcutta by inducting certain quantum of water into Bhagirathi-Hooghly.

1.4 PAST RECORDS OF METEOROLOGICAL DATA

1.4.1 GROUP A SITES: SITES IN OPERATION

Meteorological observations like Rainfall, Maximum - Minimum Temperature, are being conducted at various stations. During the year 2016 - 2017 rainfall observations were conducted at all the 38 stations where as Maximum-Minimum Temperature observations, were conducted at 31 stations. The date with effect from which the published data of various stations is available is given in Table 3.

TABLE 3

SL. No.	Site Name	Date From which published data is available	
		Rainfall	Max. / Min. Temp.
1	2	3	4
1.	Badrinath at Alaknanda	01/09/1976	01/11/1976
2.	Joshimath at Alaknanda	01/05/1976	01/05/1976
3.	Rudraprayag at Alaknanda	01/10/1972	01/10/1972
4.	Rudraprayag at Alaknanda B/Confl.	01/10/1972	01/10/1972
5.	Srinagar at Alaknanda	01/11/1989	01/06/2014
6.	Karanprayag at Pinder	21/09/1978	13/07/1978
7.	Ganga Nagar at Mandakini	01/06/2014	01/06/2014
8.	Rudraprayag at Mandakkni	01/10/1972	01/10/1972
9.	Uttarkashi at Bhagirathi	01/01/1972	01/01/1972
10.	Koteswar at Bhagirathi	03/07/2011	03/07/2011
11.	Deoprayag at Bhagirathi	01/04/1972	01/04/1972
12.	Marora at Nayar	12/09/1972	14/09/1972
13.	Deoprayag at Ganga	01/04/1972	01/04/1972
14.	Rishikesh at Ganga	01/01/1972	16/02/1972
15.	Nandkeshri at Pinder	01/06/1994	10/04/2006
16.	Hardwar at Ganga	01/01/1986	-
17..	Dharmnagari at Ganga	11/06/2008	-
18	Garhmukteswar at Ganga	01/01/1994	01/01/1993
19.	Narora at Ganga	06/06/2000	-
20.	Bhikiyasen at Ramganga	06/06/2004	04/20/2014

21.	Kalagarh at Ramganga	06/06/2005	04/19/2014
22.	Moradabad at Gangan	-	04/06/2014
23.	Moradabad at Ramganga	01/01/1993	01/01/1993
24.	Rampur at Kosi	01/01/1993	01/01/1993
25.	Kachlabridge at Ganga	06/01/2000	06/01/1996
26.	Fatehgarh at Ganga	06/01/2004	06/01/1996
27.	Bareilly at Ramganga	06/01/1995	06/01/1996
28.	Dabri at Ramganga	07/01/2003	06/01/1996
29.	Kannauj at Ganga	06/01/2004	-
30.	Ankinghat at Ganga	01/01/1993	01/01/1994
31.	Kanpur at Ganga	02/01/2000	01/01/1996
32.	Bhitaure at Ganga	10/01/2000	07/01/2015
33.	Dalmau at Ganga	06/01/2005	-
34.	Bewar at Kali	06/01/2006	-
35.	Bani at Sai	01/01/1993	01/01/1994
36.	Raibareli at Gomti	07/01/1986	-
37.	Neemsar at Gomti	06/01/2003	06/01/2003
38.	Bhatpurwaghat at Gomti	06/01/2004	06/01/2003
39.	Lucknow at Gomti	06/01/2004	-

***Bhitaure--- Temp. 01/01/1994 To 31/12/2004 & 01/07/2015 till Date**

1.4.2. GROUP B SITES: CLOSED

SL. No.	Site Name	Date From which published data is available	
		Rainfall	Max. / Min. Temp.
1	2	3	4
1.	Chndrapuri at Alaknanda	12/01/1978 to 30/04/2006	11/08/1978 to 31/03/2006
2.	Deoprayag at Alaknanda	12/09/1972 to 31/10/2003	-
3.	Tehri Z Bridge at Bhagirathi	01/02/1971 to 31/05/2011	01/01/1972 to 31/05/2011
4.	Tehri at Bhilangana	01/12/1970 to 05/12/2001	01/12/1970 to 05/12/2001
5.	Satyanarayan at Song	-	01/01/1978 to 20/11/1999
6.	Satyanarayan at Suswa	-	01/01/1978 to 20/11/1999
7.	Husepur at Deoha	01/01/1994 To 31/08/2006	01/01/1994 To 31/08/2006
8.	Dhaneta at Kitcha	01/01/2004 To 31/05/2006	05/05/2000 To 31/05/2006
9.	Dhaneta at Bhakra	01/06/2005 To 14/04/2006	01/01/1993 To 14/04/2006
10.	R S Ghat at Kalyani	01/06/2005 To 21/04/2006	01/06/2005 To 21/04/2006
11.	Jahangirabad at Kewani	01/06/2003 To 25/07/2006	01/06/2003 To 25/07/2006
12.	Garjia at Kosi	01/01/1993 To 15/06/2006	01/01/1994 To 15/06/2006
13.	Fatehganj (E) at Baigul	01/04/2002 To 31/03/2006	01/04/2002 To 31/03/2006
14.	Naula at Ramganga	-	-
15.	Kasganj at Kali	01/07/1995 To 31/12/2003	01/01/1993 To 31/10/2004

1.5 Observation Technique

Meteorological observations are recorded regularly at 08.30 hrs. The Meteorological instruments are installed in the premises of site offices. The data observed at sites is sent to Division office for further processing. The observation technique applied for the collection of Meteorological data is given below.

1.5.1 RAIN FALL

Accuracy in the measurement of rainfall is of great importance in almost all fields of application and is of special significance in agriculture, irrigation, design of waterways, flood control, power generation and conservation of water resources at national and international levels.

The Ordinary Rain-gauge (ORG) is made of fiberglass reinforced polyester material as per Indian Standard Specification No. IS 5225:1992(old version 5225- 1969). The details of ORG s installed at sites are given below.

Nominal Measuring Capacity, mm of Rainfall	Collector	Base Bottle
100	200 cm ²	2 litre
200	200 cm ²	4 litre

Both the above 100 and 200 mm rainfall rain gauge are identical except for the bottle used. The rain gauge capacity can be changed by interchanging the collectors on the base and having bottles of different capacities. The 2 litre bottle is used only in regions where rainfall between two observations is likely to be less than 100 mm or where an additional cylinder is used to collect the overflow, if any, from the bottle. The rim diameter of the collector is 159.6 mm. The base and the collector are locked together by a set of two locking rings fixed firmly to the two parts. Besides, a hasp and staple is provided to permanently lock the rain gauge with a padlock. Care is taken that the rain gauge is not installed on the ground that falls away steeply on the side of the prevailing wind. Its distance from every object is generally kept four times the height of the object and never less than twice the height of the object, above the rim of the gauge.

Rainfall is measured in terms of the depth of the water, which would be collected upon a level area of any size, assuming the rain to fall uniformly over the area at the rate at which it falls uniformly over the area of rim collector of rain gauge. Thus, one cm of rainfall means that if the rain were to fall on a level surface which does not absorb it and from which it cannot run off or evaporate, it would form a sheet of water one cm in depth. To measure the rainfall, the water collected in the receiving bottle is poured into a specially graduated glass cylinder, which is placed on a level surface. These measuring glass cylinders are manufactured according to Indian standard Specification No. IS: 4849-1968. Care is taken to avoid spilling of the collected water.

As per their requirement, Indian Meteorological Department (IMD) has itself installed the rain gauges at some of the selected sites of CWC. The rainfall data from these sites is communicated to IMD, Lucknow as per their time schedule. At the remaining sites the rain gauges have been installed by the

Himalayan Ganga Division, Dehradun & Middle Ganga Division- II, Lucknow, under HOC, Dehradun. The date of installation of rain gauges (both ORG & SRRG) and the names of the agencies maintaining them is given in Table 5.

TABLE 5
NAME OF THE AGENCY MAINTAINING ORG & SRRG

SL. No.	Site Name	ORG (Date)	Agency	SRRG (Date)	Agency
1	2	3	4	5	6
1.	Badrinath at Alaknanda	01/09/1976	CWC		
2.	Joshimath at Alaknanda	01/05/1976	CWC		
3.	Rudraprayag at Alaknanda	01/10/1972	CWC		
4.	Rudraprayag at Alaknanda B/Confl.	01/10/1972	CWC		
5.	Srinagar at Alaknanda	01/11/1989	CWC		
6.	Karanprayag at Pinder	01/06/1994	CWC		
7.	Ganga Nagar at Mandakini	21/09/1978	CWC		
8.	Rudraprayag at Mandakkni	01/06/2014	CWC		
9.	Uttarkashi at Bhagirathi	01/10/1972	CWC		
10.	Koteshwar at Bhagirathi	01/01/1972	CWC		
11.	Deoprayag at Bhagirathi	03/07/2011	CWC		
12.	Marora at Nayar	01/04/1972	CWC		
13.	Deoprayag at Ganga	12/09/1972	CWC		
14.	Rishikesh at Ganga	01/04/1972	CWC		
15.	Nandkeshri at Pinder	01/01/1972	CWC		
16.	Hardwar at Ganga	01/01/1986	CWC		
17.	Dharmnagari at Ganga	11/06/2008	CWC		
18.	Garhmukteswar at Ganga	01/01/1994	CWC		
19.	Narora at Ganga	06/06/2000	CWC	06/06/2000	IMD
20.	Bhikiyasen at Ramganga	06/06/2004	CWC		
21.	Kalagarh at Ramganga	06/06/2005	CWC		
22.	Moradabad at Gangan	-	CWC		
23.	Moradabad at Ramganga	01/01/1993	CWC		
24.	Rampur at Kosi	01/01/1993	CWC		

25.	Kachlabridge at Ganga	06/01/2000	CWC		
26.	Fatehgarh at Ganga	06/01/2004	CWC		
27.	Bareilly at Ramganga	06/01/1995	CWC		
28.	Dabri at Ramganga	07/01/2003	CWC		
29.	Kannauj at Ganga	06/01/2004	CWC		
30.	Ankinghat at Ganga	01/01/1993	CWC		
31.	Kanpur at Ganga	02/01/2000	CWC		
32.	Bhitaura at Ganga	10/01/2000	CWC		
33.	Dalmau at Ganga	06/01/2005	CWC	06/01/2005	IMD
34.	Bewar at Kali	06/01/2006	CWC		
35.	Bani at Sai	01/01/1993	CWC		
36.	Raibareli at Gomti	07/01/1986	CWC		
37.	Neemsar at Gomti	06/01/2003	CWC	06/01/2003	IMD
38.	Bhatpurwaghat at Gomti	06/01/2004	CWC		
39.	Lucknow at Gomti	06/01/2004	CWC		

1.5.2 MAXIMUM MINIMUM TEMPERATURE

A general purpose maximum and minimum thermometer is used at sites for registering extremes of temperature during a day i.e. 24 hrs. The thermometers having range -40°C to $+60^{\circ}\text{C}$ with smallest scale divisions equivalent to 1.0°C (IS: 7000-1973) is generally used.

The thermometer is exposed in wooden louvered thermometer screen, commonly known as Stevenson Screen, which support the thermometers and shield them from direct radiation from outside sources and from precipitation while allowing free circulation of air around them, and prevent accidental damage.

2. METEOROLOGICAL DATA

2.1 EXPLANATORY NOTES

The explanatory notes Described hereunder are given to assist in the interpretation of Meteorological parameters contained in the data presented. The notes are, therefore, applicable in so far as the data presented in this book are concerned.

1. Meteorological parameters are observed at sites regularly at 08.30 hrs.
2. Water year ranges from 1st June of one calendar year to 31st May of the next calendar year and covers one complete Hydrological Cycle.
3. Measuring authority refers to the field division responsible for the collection of meteorological data. The name of the division is abbreviated by taking first alphabet of each word followed by alphabet DN for Division. Thus Middle Ganga Division is denoted by MGDN.
4. All the Meteorological data viz. Maximum - Minimum temperature is published in the form of daily observed data keeping in view of its utility in designing of hydrological, hydropower projects and for agriculture purposes etc.
5. The Gauging Station code number is a unique nine - column, Alpha-numeric Reference number, which facilitates storage and retrieval of Meteorological data in data banks. The first two columns are identifier of measuring authority. Third & fourth columns are for zone/basin. Fifth & sixth columns are for Independent River and last three i.e. seventh, eighth and ninth columns are for Station numbers.

2.2 METHOD OF PRESENTATION

In the succeeding pages, Station wise meteorological data (daily observed) are presented showing Maximum-Minimum temperature, and Rainfall data. The sequence of station is arranged from origin to the mouth of the river giving the priority to an intermediate tributary station in a similar fashion. Site wise information of Annual rainfall for 2012-13, 2013-14, 2014-2015, 2015-2016 and 2016-2017 and maximum/minimum temperature for 2016-17 are shown in Table-6(Page-127).

Daily Observed Meteorological Data												
Name of Site : Badrinath						Measuring Authority : HGDDDN				Code : GG200V5		
Name of River : Alaknanda						Year : 2016-2017						
Month	Jun-16			Jul-16			Aug-16			Sep-16		
Date	Rainfall	Atmospheric		Rainfall	Atmospheric		Rainfall	Atmospheric		Rainfall	Atmospheric	
	(mm)	Temperature (°c)		(mm)	Temperature (°c)		(mm)	Temperature (°c)		(mm)	Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1	0.0	17.0	7.0	1.2	23.0	15.0	4.6	19.0	13.0	15.6	18.0	10.0
2	0.0	21.0	8.0	0.0	21.0	14.0	4.4	18.0	12.0	0.8	19.0	10.0
3	0.0	22.0	10.0	17.6	17.0	12.0	2.4	17.0	12.0	1.4	18.0	10.0
4	0.0	22.0	11.0	2.8	16.0	12.0	0.4	19.0	13.0	0.0	15.0	10.0
5	11.0	24.0	11.0	1.6	18.0	13.0	3.4	16.0	13.0	0.0	17.0	11.0
6	0.6	21.0	10.0	5.2	21.0	14.0	17.0	20.0	14.0	0.0	21.0	11.0
7	3.6	20.0	10.0	6.2	23.0	14.0	6.6	20.0	13.0	0.0	17.0	10.0
8	0.0	16.0	10.0	0.4	22.0	14.0	12.6	18.0	13.0	2.4	15.0	9.0
9	0.0	19.0	10.0	9.6	23.0	14.0	25.2	18.0	13.0	0.0	23.0	9.0
10	0.0	22.0	11.0	2.0	22.0	11.0	13.8	19.0	13.0	0.0	23.0	10.0
11	0.0	22.0	13.0	23.8	24.0	14.0	20.8	18.0	13.0	0.0	23.0	10.0
12	0.0	20.0	14.0	10.8	24.0	14.0	7.8	17.0	12.0	1.2	22.0	10.0
13	0.0	16.0	11.0	5.0	21.0	13.0	3.2	16.0	12.0	0.0	23.0	11.0
14	0.4	19.0	13.0	3.8	22.0	14.0	0.8	19.0	13.0	0.0	23.0	10.0
15	3.3	21.0	14.0	15.2	21.0	14.0	3.2	18.0	14.0	0.0	25.0	11.0
16	1.2	18.0	13.0	18.4	19.0	13.0	9.2	17.0	12.0	0.0	17.0	9.0
17	2.8	17.0	13.0	28.6	16.0	12.0	25.2	16.0	12.0	1.6	17.0	9.0
18	8.0	17.0	13.0	14.6	15.0	12.0	11.8	15.0	11.0	0.0	21.0	8.0
19	4.4	24.0	14.0	1.4	16.0	12.0	3.0	21.0	11.0	0.0	15.0	9.0
20	4.6	24.0	14.0	0.0	18.0	12.0	7.2	19.0	11.0	0.0	13.0	10.0
21	4.8	23.0	14.0	0.0	23.0	13.0	3.6	18.0	11.0	0.0	17.0	10.0
22	8.6	19.0	13.0	7.2	23.0	14.0	0.0	20.0	11.0	0.0	21.0	10.0
23	3.6	16.0	12.0	8.8	15.0	12.0	5.8	20.0	12.0	3.6	13.0	10.0
24	0.0	22.0	12.0	12.2	16.0	11.0	0.0	20.0	12.0	0.0	15.0	9.0
25	0.0	22.0	14.0	0.0	23.0	10.0	0.0	24.0	12.0	0.0	19.0	9.0
26	0.2	23.0	14.0	0.6	24.0	14.0	0.0	24.0	12.0	0.0	18.0	9.0
27	2.4	23.0	14.0	6.4	16.0	12.0	7.8	22.0	12.0	2.4	16.0	9.0
28	10.2	22.0	14.0	2.0	16.0	15.0	2.0	16.0	11.0	0.0	12.0	6.0
29	0.0	23.0	14.0	2.6	19.0	13.0	0.0	16.0	11.0	0.0	15.0	7.0
30	0.2	25.0	15.0	5.0	19.0	13.0	3.2	19.0	11.0	0.0	20.0	7.0
31				6.2	16.0	14.0	1.6	16.0	11.0			
Min	0.0	16.0	7.0	0.0	15.0	10.0	0.0	15.0	11.0	0.0	12.0	6.0
Max	11.0	25.0	15.0	28.6	24.0	15.0	25.2	24.0	14.0	15.6	25.0	11.0
Monthly Total	69.9			219.2			206.6			29.0		
Monthly Average	2.3	20.7	12.2	7.1	19.7	13.0	6.7	19.0	13.0	1.0	18.4	9.4

Daily Observed Meteorological Data				
Name of Site : Badrinath			Measuring Authority : HGDDDN	
Name of River : Alaknanda			Code : GG200V5	
			Year : 2015-2016	
Month	Oct-16			
Date	Rainfall	Atmospheric		
	(mm)	Temperature (°c)		
		Max.	Min.	
1	0.0	23.0	7.0	
2	0.0	20.0	6.0	
3	0.0	21.0	6.0	
4	0.0	16.0	6.0	
5	12.0	12.0	6.0	
6	1.6	19.0	6.0	
7	8.2	16.0	7.0	
8	0.0	16.0	6.0	
9	0.0	18.0	6.0	
10	0.0	20.0	6.0	
11	0.0	17.0	7.0	
12	0.0	22.0	8.0	
13	0.0	15.0	6.0	
14	0.0	16.0	7.0	
15	0.0	12.0	6.0	
16	0.0	16.0	5.0	
17	0.0	19.0	5.0	
18	0.0	17.0	5.0	
19	0.0	13.0	5.0	
20	0.0	14.0	5.0	
21	0.0	11.0	3.0	
22	0.0	15.0	6.0	
23	0.0	13.0	4.0	
24	0.0	11.0	3.0	
25	0.0	13.0	3.0	
26	0.0	11.0	3.0	
27	0.0	10.0	2.0	
28	0.0	16.0	1.0	
29	0.0	12.0	1.0	
30	0.0	11.0	2.0	
31	0.0	12.0	1.0	
Min	0.0	10.0	1.0	
Max	12.0	23.0	8.0	
Monthly Total	67.6			
Monthly Average	20.8	15.4	4.8	

Note :- Badriath is seasonal Site

Daily Observed Meteorological Data												
Name of Site : Joshimath						Measuring Authority : HGDDDN				Code : GG200S3		
Name of River : Alaknanda										Year : 2016-2017		
Month	Jun-16			Jul-16			Aug-16			Sep-16		
Date	Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1	0.0	38.500	31.000	3.8	31.500	22.000	14.0	29.000	19.000	11.6	27.000	19.500
2	0.0	34.500	21.500	9.4	30.500	20.500	0.0	27.500	20.000	3.8	33.000	21.000
3	0.0	34.500	22.000	32.4	30.000	20.000	3.2	29.000	21.000	0.4	32.500	21.000
4	0.0	34.000	22.000	5.2	28.500	22.000	4.2	28.000	20.000	4.8	33.500	21.000
5	0.0	34.000	20.000	0.0	28.500	22.500	3.0	30.000	22.000	1.2	32.000	21.000
6	6.6	31.500	20.000	16.2	29.500	22.500	8.4	29.000	20.000	0.0	35.500	21.500
7	0.0	31.500	20.000	19.2	33.000	24.000	20.8	28.500	19.000	0.0	33.000	20.000
8	0.0	27.000	16.000	0.0	35.500	23.500	1.4	28.000	19.000	0.0	34.500	21.000
9	0.0	33.000	20.000	8.6	35.000	23.500	11.4	26.500	20.000	0.0	34.500	21.500
10	0.0	34.000	20.500	9.5	32.500	22.000	16.4	32.500	21.000	0.0	30.000	22.000
11	0.0	35.000	21.000	3.1	30.500	22.000	2.0	26.500	20.000	1.0	32.500	21.000
12	0.0	34.000	20.000	16.2	29.000	21.000	7.4	27.000	19.500	8.8	31.500	22.000
13	0.0	28.000	19.500	11.0	28.500	19.000	0.4	26.500	20.000	6.8	32.500	22.000
14	0.0	33.000	19.000	15.2	32.500	22.000	48.6	31.500	21.500	2.8	34.000	22.000
15	0.0	31.500	19.500	18.0	30.500	22.000	9.0	27.000	20.000	0.0	34.500	21.500
16	3.4	30.500	18.000	3.8	34.000	23.500	6.6	30.000	21.000	0.0	28.000	21.000
17	0.0	31.000	18.500	32.6	28.500	18.000	22.2	29.500	20.000	0.0	27.000	20.000
18	8.0	33.000	21.000	11.8	28.000	17.500	5.4	26.000	19.000	0.0	27.000	19.000
19	0.0	34.500	24.000	2.2	29.000	19.500	0.6	28.000	19.000	0.0	29.500	19.500
20	38.0	34.500	22.000	2.2	32.500	21.500	6.0	29.500	20.500	0.0	32.000	21.000
21	9.1	35.000	23.500	0.0	32.000	24.000	5.0	30.000	19.500	35.0	33.500	22.000
22	8.0	31.500	22.000	8.2	29.500	21.000	3.0	35.000	20.500	0.0	31.000	21.000
23	3.2	30.000	19.000	19.4	30.500	20.000	1.4	31.000	20.000	4.2	30.500	18.000
24	0.0	34.500	21.000	16.5	30.000	20.000	0.0	31.000	21.000	0.0	31.000	17.500
25	2.0	34.500	23.000	0.0	34.500	22.000	14.0	31.000	20.500	0.0	31.500	18.000
26	2.2	34.500	22.500	2.4	33.500	22.000	0.0	31.500	21.500	0.0	30.000	16.000
27	7.0	34.000	22.000	20.4	33.500	21.000	5.0	31.000	20.000	12.2	31.500	17.500
28	4.2	32.500	22.000	4.6	30.000	20.000	0.0	26.000	18.500	0.0	31.500	19.000
29	25.4	32.000	23.000	32.4	31.000	21.000	0.0	34.500	19.500	0.0	32.000	19.000
30	1.0	35.000	24.000	16.6	29.500	20.000	5.2	28.000	20.500	0.0	31.000	19.000
31				4.2	30.000	19.500	2.4	29.000	20.000			
Min	0.0	27.0	16.0	0.0	28.0	17.5	0.0	26.0	18.5	0.0	27.0	16.0
Max	38.0	38.5	31.0	32.6	35.5	24.0	48.6	35.0	22.0	35.0	35.5	22.0
Monthly Total	118.1			345.1			227.0			92.6		
Monthly Average	3.9	33.0	21.3	11.1	31.0	21.3	7.3	29.3	20.1	3.1	31.6	20.2

Daily Observed Meteorological Data												
Name of Site : Joshimath					Measuring Authority : HGDDDN					Code : GG200S3		
Name of River : Alaknanda					Year : 2016-2017							
Month	Oct-16			Nov-16			Dec-16			Jan-17		
Date	Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1	0.0	32.000	20.000	0.0	29.000	14.000	0.0	25.500	9.000	0.0	17.500	6.500
2	0.0	33.000	20.000	0.0	29.500	20.500	0.0	25.000	9.000	0.4	16.500	6.500
3	0.4	31.000	18.500	0.0	29.500	19.000	0.0	24.500	8.500	0.0	16.000	6.000
4	0.0	33.500	19.000	0.0	29.000	18.000	0.0	24.000	8.500	0.0	15.500	6.000
5	0.6	32.000	18.000	0.0	29.500	14.500	0.0	23.000	8.500	0.2	16.500	6.500
6	2.6	31.000	19.000	0.0	28.500	15.000	0.0	22.500	8.500	0.0	17.000	6.500
7	0.0	30.500	18.500	0.0	28.500	14.000	0.0	23.500	9.000	0.0	16.000	6.000
8	0.0	30.000	18.000	0.0	28.000	14.500	0.0	24.000	9.500	9.8	14.500	5.500
9	0.0	31.500	18.000	0.0	28.500	14.500	0.0	24.000	9.000	0.0	13.000	5.000
10	0.0	30.000	16.500	0.0	28.000	14.000	0.0	23.000	8.500	0.0	13.000	5.500
11	0.0	30.000	16.000	0.0	27.500	14.500	0.0	22.500	8.500	0.0	12.500	4.500
12	0.0	29.500	16.000	0.0	27.500	13.500	0.0	22.000	8.000	0.0	13.500	4.000
13	0.0	30.000	16.000	0.0	28.500	13.000	0.0	21.000	7.500	0.0	15.500	4.500
14	0.0	30.000	15.000	0.0	26.000	11.500	0.0	20.000	7.000	0.0	15.000	4.500
15	0.0	31.500	15.500	0.0	25.500	10.500	0.0	19.500	7.000	0.0	15.000	4.000
16	0.0	31.000	16.000	0.0	25.000	10.000	0.0	19.000	6.500	2.2	17.000	8.000
17	0.0	32.500	17.000	0.0	45.500	9.500	0.0	19.000	7.000	7.0	17.500	5.500
18	0.0	31.000	18.500	0.0	25.000	9.500	0.0	18.500	6.500	0.0	17.000	5.500
19	0.0	29.000	16.500	0.0	26.000	10.000	0.0	18.000	6.000	0.0	16.500	6.000
20	0.0	29.500	16.500	0.0	26.500	10.000	0.0	18.000	5.500	0.0	17.500	5.500
21	0.0	30.500	16.000	0.0	26.500	10.000	0.0	18.500	5.500	0.0	17.500	5.500
22	0.0	30.000	15.000	0.0	27.000	10.000	0.0	18.500	5.500	0.0	17.000	6.000
23	0.0	29.500	15.000	0.0	27.500	9.500	0.0	18.000	5.500	0.0	17.500	6.000
24	0.0	30.000	14.500	0.0	27.000	9.000	0.0	18.500	6.000	0.0	18.500	6.500
25	0.0	31.000	15.000	0.0	27.500	9.000	0.0	18.500	6.500	0.0	18.500	7.000
26	0.0	30.000	14.500	0.0	26.500	9.000	0.0	17.000	5.500	0.0	18.000	6.500
27	0.0	31.000	14.000	0.0	26.000	9.000	0.0	17.500	5.500	6.0	17.000	5.500
28	0.0	31.000	14.500	0.0	25.000	8.500	0.0	16.500	5.000	0.0	15.500	5.000
29	0.0	30.000	14.000	0.0	26.500	9.000	0.0	17.000	6.000	0.0	15.000	5.000
30	0.0	29.500	14.000		25.000	8.500	0.0	17.500	6.000	0.0	15.500	5.500
31	0.0	30.500	14.500	0			0.0	18.000	6.500	1.6	18.500	7.000
Min	0.0	29.0	14.0	0.0	25.0	8.5	0.0	16.5	5.0	0.0	12.5	4.0
Max	2.6	33.5	20.0	0.0	45.5	20.5	0.0	25.5	9.5	9.8	18.5	8.0
Monthly Total	3.6			0.0			0.0			27.2		
Monthly Average	0.1	30.7	16.4	0.0	27.9	12.1	0.0	20.4	7.1	0.9	16.2	5.7

Daily Observed Meteorological Data												
Name of Site : Joshimath						Measuring Authority : HGDDDN				Code : GG200S3		
Name of River : Alaknanda										Year : 2016-2017		
Month	Feb-17			Mar-17			Apr-17			May-17		
Date	Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1	0.0	16.500	6.500	0.0	22.000	13.000	0.0	29.000	16.000	18.8	26.500	14.000
2	0.0	17.000	7.000	3.2	18.500	10.000	0.8	18.000	12.000	0.0	31.000	14.000
3	0.0	18.500	8.500	0.0	19.000	10.000	0.0	27.000	15.000	0.0	31.500	16.000
4	0.0	19.000	9.500	0.0	19.500	11.000	0.0	26.000	14.000	0.0	29.500	18.000
5	0.0	20.500	9.500	0.0	18.500	9.000	7.0	24.000	12.000	0.0	30.000	16.500
6	12.8	20.500	10.000	0.0	19.000	9.000	69.2	15.000	8.000	2.2	34.000	18.000
7	0.0	17.500	8.000	0.0	23.500	12.000	37.4	21.000	7.000	0.0	31.500	18.500
8	0.0	18.500	8.500	12.8	21.000	11.000	5.6	15.000	9.000	6.4	35.000	20.000
9	0.0	16.500	8.000	43.4	14.500	9.000	3.2	20.000	8.000	0.0	31.500	17.000
10	0.0	14.500	6.000	4.8	14.000	10.000	0.0	22.000	10.000	3.8	32.500	18.000
11	0.0	18.500	7.000	11.0	13.500	8.500	0.0	24.000	12.000	1.4	33.000	17.000
12	0.0	19.000	7.500	10.8	12.500	8.000	0.0	25.000	14.000	1.0	33.000	18.000
13	0.0	19.500	8.000	0.0	15.000	7.500	0.0	26.000	14.000	0.0	31.500	16.000
14	0.0	20.000	8.000	0.0	17.500	7.500	0.0	27.000	16.000	0.0	33.500	18.500
15	0.0	20.000	8.500	0.0	18.500	8.000	0.0	26.000	13.000	11.6	33.500	18.000
16	0.0	21.000	9.500	0.0	21.500	11.000	0.0	27.000	15.000	0.0	34.500	18.500
17	0.0	21.000	10.000	7.6	21.000	10.500	0.0	28.000	20.000	0.0	29.000	16.500
18	0.0	23.500	14.000	5.6	15.000	8.500	0.0	28.000	22.000	2.6	32.000	16.000
19	0.0	24.000	14.000	0.0	21.500	10.000	0.0	27.000	20.000	0.0	31.500	16.000
20	0.0	23.000	13.500	0.0	21.500	10.500	0.0	26.000	18.000	2.0	31.500	17.000
21	7.8	21.500	12.500	0.0	23.500	12.000	0.0	27.000	17.000	2.4	31.000	17.500
22	6.2	17.500	9.000	0.0	24.000	14.500	0.0	26.000	16.000	1.2	30.500	17.500
23	0.0	18.000	9.000	0.0	29.000	15.500	6.2	27.000	18.000	3.4	31.000	18.000
24	0.0	18.500	9.000	4.8	29.500	16.000	1.0	27.000	14.000	0.0	31.500	18.500
25	0.0	21.500	10.000	0.0	28.000	15.500	0.0	27.000	15.000	0.0	31.000	17.500
26	0.0	22.000	10.500	0.0	29.000	16.000	0.0	27.000	13.000	0.0	30.500	18.000
27	0.0	22.500	10.000	0.0	30.000	17.000	0.4	27.000	13.000	6.0	29.500	16.000
28	0.0	22.000	11.000	0.0	30.000	17.500	0.0	28.000	14.000	1.0	30.500	18.000
29				0.0	31.500	18.000	0.6	28.000	15.000	0.0	30.000	18.000
30				0.0	32.000	18.500	0.0	27.000	13.000	2.0	29.000	16.000
31				0.0	315.000	18.500				6.0	30.000	17.500
Min	0.0	14.5	6.0	0.0	12.5	7.5	0.0	15.0	7.0	0.0	26.5	14.0
Max	12.8	24.0	14.0	43.4	315.0	18.5	69.2	29.0	22.0	18.8	35.0	20.0
Monthly Total	26.8			104.0			131.4			90.6		
Monthly Average	1.0	19.7	9.4	3.4	31.2	12.0	4.4	25.1	14.1	2.9	31.3	17.2

Daily Observed Meteorological Data												
Name of Site : Rudrapryag						Measuring Authority : HGDDDN				Code : GG200G5		
Name of River : Alaknanda						Year : 2016-2017						
Month	Jun-16			Jul-16			Aug-16			Sep-16		
Date	Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1	0.0	32.0	21.0	0.0	38.0	27.0	2.4	32.0	23.0	5.8	33.0	24.0
2	0.0	39.0	24.0	65.6	33.0	26.0	31.2	29.0	22.0	3.0	32.0	24.0
3	50.4	39.0	23.0	27.0	29.0	23.0	2.2	32.0	22.0	0.0	35.0	25.0
4	0.0	37.0	23.0	24.0	31.0	23.0	1.4	34.0	22.0	0.0	35.0	25.0
5	0.0	39.0	26.0	3.4	34.0	24.0	16.0	36.0	22.0	0.0	35.0	25.0
6	1.8	39.0	22.0	0.0	37.0	23.0	30.8	36.0	24.0	0.0	35.0	25.0
7	2.0	35.0	21.0	0.0	37.0	26.0	0.2	34.0	24.0	0.0	32.0	25.0
8	0.4	30.0	20.0	0.0	38.0	26.0	4.4	36.0	26.0	0.0	32.0	25.0
9	0.4	35.0	21.0	0.0	38.0	26.0	12.6	34.0	24.0	0.0	36.0	25.0
10	0.0	37.0	22.0	1.2	39.0	26.0	39.2	33.0	23.0	0.0	36.0	25.0
11	0.0	39.0	24.0	2.2	39.0	26.0	36.4	29.0	23.0	5.0	36.0	26.0
12	0.0	40.0	25.0	0.0	37.0	27.0	15.4	30.0	23.0	6.8	31.0	26.0
13	0.0	40.0	23.0	6.0	37.0	25.0	0.0	32.0	23.0	24.2	34.0	24.0
14	25.4	39.0	23.0	26.2	37.0	25.0	5.8	35.0	23.0	0.0	33.0	24.0
15	0.0	37.0	24.0	35.6	38.0	23.0	0.0	32.0	23.0	0.0	32.0	24.0
16	1.8	31.0	24.0	45.0	31.0	27.0	1.2	35.0	23.0	0.0	35.0	24.0
17	0.2	31.0	22.0	23.8	38.0	22.0	48.8	31.0	23.0	0.0	35.0	25.0
18	3.2	38.0	22.0	47.2	30.0	21.0	9.8	33.0	22.0	0.0	35.0	24.0
19	3.0	39.0	24.0	28.2	28.0	23.0	1.4	29.0	22.0	0.0	32.0	24.0
20	0.0	39.0	25.0	0.0	33.0	24.0	7.0	35.0	24.0	0.0	36.0	25.0
21	0.0	4.0	27.0	0.0	35.0	25.0	5.6	34.0	23.0	0.0	35.0	25.0
22	0.0	41.0	26.0	11.0	38.0	25.0	0.0	36.0	24.0	15.2	35.0	24.0
23	1.0	36.0	23.0	60.8	36.0	24.0	15.4	34.0	23.0	0.2	29.0	22.0
24	0.0	38.0	24.0	26.6	30.0	21.0	0.0	32.0	22.0	0.4	33.0	20.0
25	0.0	40.0	27.0	0.0	30.0	22.0	0.0	34.0	24.0	2.0	32.0	21.0
26	0.0	39.0	27.0	0.0	36.0	25.0	39.2	35.0	25.0	6.0	33.0	21.0
27	1.6	40.0	27.0	54.4	37.0	23.0	6.6	32.0	24.0	1.8	33.0	21.0
28	0.0	4.0	27.0	21.8	32.0	23.0	0.0	30.0	23.0	0.0	34.0	21.0
29	0.0	39.0	27.0	0.0	38.0	23.0	0.0	33.0	23.0	0.2	34.0	21.0
30	3.6	42.0	28.0	33.0	34.0	23.0	2.0	32.0	24.0	0.0	33.0	21.0
31				20.0	33.0	23.0	0.0	33.0	25.0			
Min	0.0	4.0	20.0	0.0	28.0	21.0	0.0	29.0	22.0	0.0	29.0	20.0
Max	50.4	42.0	28.0	65.6	39.0	27.0	48.8	36.0	26.0	24.2	36.0	26.0
Monthly Total	94.8			563.0			335.0			70.6		
Monthly Average	3.16	35.26	24.06	18.16	34.87	24.19	10.80	32.96	23.25	2.35	33.70	23.7

Daily Observed Meteorological Data												
Name of Site : Rudrapryag						Measuring Authority : HGDDDN				Code : GG200G5		
Name of River : Alaknanda						Year : 2016-2017						
Month	Oct-16			Nov-16			Dec-16			Jan-17		
Date	Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1	0.0	32.0	21.0	0.0	27.0	15.0	0.0	23.0	12.0	0.0	20.0	9.0
2	0.0	32.0	22.0	0.0	27.0	14.0	0.0	24.0	12.0	0.0	18.0	7.0
3	0.0	34.0	22.0	0.0	26.0	14.0	0.0	24.0	11.0	0.0	16.0	7.0
4	0.0	34.0	22.0	0.0	26.0	14.0	0.0	24.0	11.0	0.0	20.0	7.0
5	0.0	32.0	23.0	0.0	27.0	14.0	0.0	24.0	11.0	0.0	21.0	8.0
6	0.0	32.0	22.0	0.0	26.0	14.0	0.0	23.0	11.0	0.0	20.0	8.0
7	0.0	32.0	22.0	0.0	26.0	13.0	0.0	23.0	11.0	0.0	20.0	8.0
8	0.0	34.0	22.0	0.0	26.0	13.0	0.0	24.0	11.0	7.2	13.0	8.0
9	0.0	34.0	20.0	0.0	26.0	13.0	0.0	23.0	11.0	0.0	13.0	6.0
10	0.0	33.0	20.0	0.0	26.0	14.0	0.0	23.0	12.0	0.0	16.0	6.0
11	0.0	32.0	18.0	0.0	26.0	14.0	0.0	22.0	11.0	0.0	18.0	7.0
12	0.0	32.0	18.0	0.0	25.0	14.0	0.0	22.0	10.0	1.0	14.0	5.0
13	0.0	32.0	18.0	0.0	25.0	13.0	0.0	21.0	10.0	0.0	16.0	6.0
14	0.0	32.0	18.0	0.0	25.0	12.0	0.0	21.0	8.0	0.0	17.0	5.0
15	0.0	32.0	18.0	0.0	21.0	11.0	0.0	21.0	9.0	0.0	17.0	6.0
16	0.0	32.0	18.0	0.0	25.0	11.0	0.0	22.0	9.0	0.0	19.0	9.0
17	0.0	31.0	19.0	0.0	24.0	10.0	0.0	21.0	10.0	0.0	17.0	7.0
18	0.0	31.0	19.0	0.0	23.0	11.0	0.0	21.0	8.0	0.0	20.0	12.0
19	0.0	31.0	19.0	0.0	24.0	11.0	0.0	20.0	7.0	0.0	21.0	7.0
20	0.0	30.0	16.0	0.0	24.0	11.0	0.0	19.0	7.0	0.0	16.0	8.0
21	0.0	29.0	15.0	0.0	26.0	11.0	0.0	20.0	9.0	0.0	19.0	7.0
22	0.0	29.0	15.0	0.0	22.0	10.0	0.0	21.0	9.0	0.0	22.0	8.0
23	0.0	29.0	15.0	0.0	25.0	11.0	0.0	19.0	9.0	0.0	18.0	9.0
24	0.0	29.0	14.0	0.0	24.0	11.0	0.0	18.0	7.0	7.8	19.0	11.0
25	0.0	28.0	14.0	0.0	24.0	11.0	0.0	20.0	7.0	0.0	20.0	9.0
26	0.0	27.0	14.0	0.0	25.0	12.0	0.0	21.0	8.0	0.0	21.0	10.0
27	0.0	27.0	14.0	0	24.0	12.0	0.0	21.0	8.0	0.0	20.0	10.0
28	0.0	27.0	14.0	0			0.0	21.0	9.0	0.2	19.0	10.0
29	0.0	34.0	23.0	0.0	21.0	10.0	0.0	18.0	7.0	0.0	13.0	5.0
30	0.0	27.0	14.0	0.0	27.0	15.0	0.0	24.0	12.0	7.8	22.0	12.0
31	0.0			0.0			0.0			20.0		
Min	0.0	27.0	14.0	0.0	21.0	10.0	0.0	18.0	7.0	0.0	13.0	5.0
Max	0.0	34.0	23.0	0.0	27.0	15.0	0.0	24.0	12.0	7.8	22.0	12.0
Monthly Total	0.0			0.0			0.0			20.0		
Monthly Average	0.00	31.09	18.25	0.00	24.90	12.33	0.00	21.83	9.48	0.64	18.29	7.90

Daily Observed Meteorological Data												
Name of Site : Rudrapryag					Measuring Authority : HGDDDN					Code : GG200G5		
Name of River : Alaknanda					Year : 2016-2017							
Month	Feb-17			Mar-17			Apr-17			May-17		
Date	Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1	0.0	22.0	11.0	1.4	24.0	14.0	0.0	36.0	22.0	5.4	24.0	17.0
2	0.0	23.0	10.0	4.2	23.0	10.0	0.0	37.0	21.0	0.0	32.0	18.0
3	0.0	18.0	9.0	0.0	26.0	14.0	0.0	37.0	20.0	0.0	34.0	19.0
4	0.0	24.0	11.0	0.0	26.0	13.0	0.0	35.0	17.0	0.0	31.0	20.0
5	0.0	20.0	12.0	0.0	27.0	13.0	4.6	27.0	20.0	0.0	32.0	20.0
6	0.0	17.0	11.0	0.0	27.0	12.0	16.0	22.0	16.0	0.0	35.0	21.0
7	0.0	22.0	10.0	0.0	27.0	13.0	4.8	28.0	17.0	0.0	36.0	21.0
8	0.0	23.0	10.0	0.8	24.0	13.0	3.4	23.0	17.0	0.0	38.0	24.0
9	0.0	23.0	10.0	8.6	16.0	13.0	0.0	31.0	17.0	3.2	38.0	21.0
10	0.0	22.0	9.0	0.0	22.0	13.0	0.0	31.0	18.0	1.2	36.0	21.0
11	0.0	22.0	9.0	18.0	22.0	11.0	0.0	31.0	17.0	0.2	36.0	21.0
12	0.0	24.0	10.0	0.4	16.0	10.0	0.0	31.0	18.0	2.8	35.0	22.0
13	0.0	19.0	9.0	0.0	21.0	10.0	0.0	34.0	19.0	5.0	34.0	20.0
14	0.0	24.0	11.0	0.0	23.0	10.0	0.0	37.0	18.0	1.6	35.0	21.0
15	0.0	26.0	11.0	0.0	25.0	11.0	0.4	36.0	21.0	0.6	33.0	21.0
16	0.0	26.0	11.0	0.0	26.0	12.0	0.0	36.0	21.0	2.4	37.0	22.0
17	0.0	27.0	14.0	0.6	26.0	14.0	0.0	37.0	23.0	0.4	32.0	22.0
18	0.0	24.0	10.0	10.8	26.0	12.0	0.0	37.0	24.0	4.6	33.0	20.0
19	0.0	24.0	10.0	0.0	25.0	12.0	0.0	36.0	25.0	7.8	34.0	21.0
20	0.0	27.0	10.0	4.6	27.0	13.0	17.4	36.0	22.0	1.8	34.0	22.0
21	2.8	29.0	10.0	0.0	27.0	13.0	0.0	36.0	23.0	0.0	34.0	23.0
22	1.4	22.0	13.0	0.0	28.0	10.0	0.0	36.0	25.0	0.4	37.0	23.0
23	0.0	24.0	12.0	0.0	28.0	10.0	0.0	36.0	24.0	7.4	32.0	22.0
24	0.0	23.0	12.0	0.0	31.0	17.0	0.0	36.0	24.0	0.0	32.0	22.0
25	0.0	26.0	12.0	0.0	32.0	17.0	0.0	36.0	22.0	0.0	32.0	23.0
26	0.0	27.0	13.0	0.0	32.0	19.0	0.0	36.0	21.0	3.0	35.0	21.0
27	0.0	27.0	13.0	0.0	33.0	20.0	0.0	34.0	20.0	15.4	36.0	21.0
28	0.0	28.0	14.0	0.0	33.0	20.0	0.0	33.0	19.0	17.6	31.0	21.0
29				0.0	35.0	21.0	4.2	34.0	20.0	4.4	33.0	21.0
30				0.0	36.0	21.0	0.6	34.0	20.0	1.6	27.0	21.0
31				0.0	36.0	21.0				8.8	30.0	22.0
Min	0.0	17.0	9.0	0.0	16.0	10.0	0.0	22.0	16.0	0.0	24.0	17.0
Max	2.8	29.0	14.0	18.0	36.0	21.0	17.4	37.0	25.0	17.6	38.0	24.0
Monthly Total	4.2			49.4	830.0	432.0	51.4			95.6		
Monthly Average	0.15	23.67	10.96	1.59	26.77	13.93	1.71	33.63	20.36	3.08	33.48	21.09

Daily Observed Meteorological Data												
Name of Site : Rudrapryag						Measuring Authority : HGDDDN				Code : 248911		
Name of River : Alaknanda B/Confl.						Year : 2016-2017						
Month	Jun-16			Jul-16			Aug-16			Sep-16		
Date	Rainfall	Atmospheric		Rainfall	Atmospheric		Rainfall	Atmospheric		Rainfall	Atmospheric	
	(mm)	Temperature (°c)		(mm)	Temperature (°c)		(mm)	Temperature (°c)		(mm)	Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1	0.0	32.0	21.0	0.0	38.0	27.0	2.4	32.0	23.0	5.8	33.0	24.0
2	0.0	39.0	24.0	65.6	33.0	26.0	31.2	29.0	22.0	3.0	32.0	24.0
3	50.4	39.0	23.0	27.0	29.0	23.0	2.2	32.0	22.0	0.0	35.0	25.0
4	0.0	37.0	23.0	24.0	31.0	23.0	1.4	34.0	22.0	0.0	35.0	25.0
5	0.0	39.0	26.0	3.4	34.0	24.0	16.0	36.0	22.0	0.0	35.0	25.0
6	1.8	39.0	22.0	0.0	37.0	23.0	30.8	36.0	24.0	0.0	35.0	25.0
7	2.0	35.0	21.0	0.0	37.0	26.0	0.2	34.0	24.0	0.0	32.0	25.0
8	0.4	30.0	20.0	0.0	38.0	26.0	4.4	36.0	26.0	0.0	32.0	25.0
9	0.4	35.0	21.0	0.0	38.0	26.0	12.6	34.0	24.0	0.0	36.0	25.0
10	0.0	37.0	22.0	1.2	39.0	26.0	39.2	33.0	23.0	0.0	36.0	25.0
11	0.0	39.0	24.0	2.2	39.0	26.0	36.4	29.0	23.0	5.0	36.0	26.0
12	0.0	40.0	25.0	0.0	37.0	27.0	15.4	30.0	23.0	6.8	31.0	26.0
13	0.0	40.0	23.0	6.0	37.0	25.0	0.0	32.0	23.0	24.2	34.0	24.0
14	25.4	39.0	23.0	26.2	37.0	25.0	5.8	35.0	23.0	0.0	33.0	24.0
15	0.0	37.0	24.0	35.6	38.0	23.0	0.0	32.0	23.0	0.0	32.0	24.0
16	1.8	31.0	24.0	45.0	31.0	27.0	1.2	35.0	23.0	0.0	35.0	24.0
17	0.2	31.0	22.0	23.8	38.0	22.0	48.8	31.0	23.0	0.0	35.0	25.0
18	3.2	38.0	22.0	47.2	30.0	21.0	9.8	33.0	22.0	0.0	35.0	24.0
19	3.0	39.0	24.0	28.2	28.0	23.0	1.4	29.0	22.0	0.0	32.0	24.0
20	0.0	39.0	25.0	0.0	33.0	24.0	7.0	35.0	24.0	0.0	36.0	25.0
21	0.0	4.0	27.0	0.0	35.0	25.0	5.6	34.0	23.0	0.0	35.0	25.0
22	0.0	41.0	26.0	11.0	38.0	25.0	0.0	36.0	24.0	15.2	35.0	24.0
23	1.0	36.0	23.0	60.8	36.0	24.0	15.4	34.0	23.0	0.2	29.0	22.0
24	0.0	38.0	24.0	26.6	30.0	21.0	0.0	32.0	22.0	0.4	33.0	20.0
25	0.0	40.0	27.0	0.0	30.0	22.0	0.0	34.0	24.0	2.0	32.0	21.0
26	0.0	39.0	27.0	0.0	36.0	25.0	39.2	35.0	25.0	6.0	33.0	21.0
27	1.6	40.0	27.0	54.4	37.0	23.0	6.6	32.0	24.0	1.8	33.0	21.0
28	0.0	4.0	27.0	21.8	32.0	23.0	0.0	30.0	23.0	0.0	34.0	21.0
29	0.0	39.0	27.0	0.0	38.0	23.0	0.0	33.0	23.0	0.2	34.0	21.0
30	3.6	42.0	28.0	33.0	34.0	23.0	2.0	32.0	24.0	0.0	33.0	21.0
31				20.0	33.0	23.0	0.0	33.0	25.0	0		
Min	0.0	4.0	20.0	0.0	28.0	21.0	0.0	29.0	22.0	0.0	29.0	20.0
Max	50.4	42.0	28.0	65.6	39.0	27.0	48.8	36.0	26.0	24.2	36.0	26.0
Monthly Total												
Total	94.8			563.0			335.0			70.6		
Monthly Average	3.16	35.26	24.06	18.16	34.87	24.19	10.80	32.96	23.25	2.35	33.70	23.7

Daily Observed Meteorological Data												
Name of Site : Rudrapryag						Measuring Authority : HGDDDN				Code : 248911		
Name of River : Alaknanda B/Confl.						Year : 2016-2017						
Month	Oct-16			Nov-16			Dec-16			Jan-17		
Date	Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1	0.0	32.0	21.0	0.0	27.0	15.0	0.0	23.0	12.0	0.0	20.0	9.0
2	0.0	32.0	22.0	0.0	27.0	14.0	0.0	24.0	12.0	0.0	18.0	7.0
3	0.0	34.0	22.0	0.0	26.0	14.0	0.0	24.0	11.0	0.0	16.0	7.0
4	0.0	34.0	22.0	0.0	26.0	14.0	0.0	24.0	11.0	0.0	20.0	7.0
5	0.0	32.0	23.0	0.0	27.0	14.0	0.0	24.0	11.0	0.0	21.0	8.0
6	0.0	32.0	22.0	0.0	26.0	14.0	0.0	23.0	11.0	0.0	21.0	8.0
7	0.0	32.0	22.0	0.0	26.0	13.0	0.0	23.0	11.0	0.0	20.0	8.0
8	0.0	34.0	22.0	0.0	26.0	13.0	0.0	24.0	11.0	7.2	13.0	8.0
9	0.0	34.0	20.0	0.0	26.0	13.0	0.0	23.0	11.0	0.0	13.0	6.0
10	0.0	33.0	20.0	0.0	26.0	14.0	0.0	23.0	12.0	0.0	16.0	6.0
11	0.0	32.0	18.0	0.0	26.0	14.0	0.0	22.0	11.0	0.0	18.0	7.0
12	0.0	32.0	18.0	0.0	25.0	14.0	0.0	22.0	10.0	1.0	14.0	5.0
13	0.0	32.0	18.0	0.0	25.0	13.0	0.0	20.0	10.0	0.0	16.0	6.0
14	0.0	32.0	18.0	0.0	25.0	12.0	0.0	21.0	8.0	0.0	17.0	5.0
15	0.0	32.0	18.0	0.0	21.0	11.0	0.0	21.0	9.0	0.0	19.0	9.0
16	0.0	32.0	18.0	0.0	25.0	11.0	0.0	20.0	9.0	3.8	16.0	8.0
17	0.0	31.0	19.0	0.0	24.0	10.0	0.0	22.0	9.0	0.0	19.0	7.0
18	0.0	31.0	19.0	0.0	23.0	11.0	0.0	21.0	10.0	0.0	17.0	7.0
19	0.0	31.0	19.0	0.0	23.0	11.0	0.0	21.0	8.0	0.0	20.0	12.0
20	0.0	31.0	19.0	0.0	24.0	11.0	0.0	21.0	7.0	0.0	21.0	7.0
21	0.0	31.0	17.0	0.0	24.0	11.0	0.0	20.0	7.0	0.0	16.0	8.0
22	0.0	30.0	16.0	0.0	24.0	11.0	0.0	19.0	7.0	0.0	19.0	7.0
23	0.0	29.0	15.0	0.0	26.0	11.0	0.0	20.0	9.0	0.0	22.0	8.0
24	0.0	29.0	15.0	0.0	22.0	10.0	0.0	21.0	9.0	0.0	18.0	9.0
25	0.0	29.0	14.0	0.0	25.0	11.0	0.0	19.0	9.0	0.0	21.0	10.0
26	0.0	29.0	14.0	0.0	24.0	11.0	0.0	18.0	7.0	7.8	19.0	11.0
27	0.0	28.0	14.0	0.0	24.0	11.0	0.0	20.0	7.0	0.0	20.0	9.0
28	0.0	28.0	14.0	0.0	25.0	12.0	0.0	21.0	8.0	0.0	21.0	10.0
29	0.0	27.0	14.0	0.0	24.0	12.0	0.0	21.0	8.0	0.0	20.0	10.0
30	0.0	27.0	14.0	0			0.0	21.0	9.0	0.2	19.0	10.0
31	0.0	27.0	14.0	0								
Min	0.0	27.0	14.0	0.0	21.0	10.0	0.0	18.0	7.0	0.0	13.0	5.0
Max	0.0	34.0	23.0	0.0	27.0	15.0	0.0	24.0	12.0	7.8	22.0	12.0
Monthly												
Total	0.0			0.0			0.0			20.0		
Monthly												
Average	0.00	31.09	18.25	0.00	24.90	12.33	0.00	21.83	9.48	0.64	18.29	7.90

Daily Observed Meteorological Data												
Name of Site : Rudrapryag						Measuring Authority : HGDDDN				Code : 248911		
Name of River : Alaknanda B/Confl.						Year : 2016-2017						
Month	Feb-17			Mar-17			Apr-17			May-17		
Date	Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1	0.0	22.0	11.0	1.4	24.0	14.0	0.0	36.0	22.0	5.4	24.0	17.0
2	0.0	23.0	10.0	4.2	23.0	10.0	0.0	37.0	21.0	0.0	32.0	18.0
3	0.0	18.0	9.0	0.0	26.0	14.0	0.0	37.0	20.0	0.0	34.0	19.0
4	0.0	24.0	11.0	0.0	26.0	13.0	0.0	35.0	17.0	0.0	31.0	20.0
5	0.0	20.0	12.0	0.0	27.0	13.0	4.6	27.0	20.0	0.0	32.0	20.0
6	0.0	17.0	11.0	0.0	27.0	12.0	16.0	22.0	16.0	0.0	35.0	21.0
7	0.0	22.0	10.0	0.0	27.0	13.0	4.8	28.0	17.0	0.0	36.0	21.0
8	0.0	23.0	10.0	0.8	24.0	13.0	3.4	23.0	17.0	0.0	38.0	24.0
9	0.0	23.0	10.0	8.6	16.0	13.0	0.0	31.0	17.0	3.2	38.0	21.0
10	0.0	22.0	9.0	0.0	22.0	13.0	0.0	31.0	18.0	1.2	36.0	21.0
11	0.0	22.0	9.0	18.0	22.0	11.0	0.0	31.0	17.0	0.2	36.0	21.0
12	0.0	24.0	10.0	0.4	16.0	10.0	0.0	31.0	18.0	2.8	35.0	22.0
13	0.0	19.0	9.0	0.0	21.0	10.0	0.0	34.0	19.0	5.0	34.0	20.0
14	0.0	24.0	11.0	0.0	23.0	10.0	0.0	37.0	18.0	1.6	35.0	21.0
15	0.0	26.0	11.0	0.0	25.0	11.0	0.4	36.0	21.0	0.6	33.0	21.0
16	0.0	26.0	11.0	0.0	26.0	12.0	0.0	36.0	21.0	2.4	37.0	22.0
17	0.0	27.0	14.0	0.6	26.0	14.0	0.0	37.0	23.0	0.4	32.0	22.0
18	0.0	24.0	10.0	10.8	26.0	12.0	0.0	37.0	24.0	4.6	33.0	20.0
19	0.0	24.0	10.0	0.0	25.0	12.0	0.0	36.0	25.0	7.8	34.0	21.0
20	0.0	27.0	10.0	4.6	27.0	13.0	17.4	36.0	22.0	1.8	34.0	22.0
21	2.8	29.0	10.0	0.0	27.0	13.0	0.0	36.0	23.0	0.0	34.0	23.0
22	1.4	22.0	13.0	0.0	28.0	10.0	0.0	36.0	25.0	0.4	37.0	23.0
23	0.0	24.0	12.0	0.0	28.0	10.0	0.0	36.0	24.0	7.4	32.0	22.0
24	0.0	23.0	12.0	0.0	31.0	17.0	0.0	36.0	24.0	0.0	32.0	22.0
25	0.0	26.0	12.0	0.0	32.0	17.0	0.0	36.0	22.0	0.0	32.0	23.0
26	0.0	27.0	13.0	0.0	32.0	19.0	0.0	36.0	21.0	3.0	35.0	21.0
27	0.0	27.0	13.0	0.0	33.0	20.0	0.0	34.0	20.0	15.4	36.0	21.0
28	0.0	28.0	14.0	0.0	33.0	20.0	0.0	33.0	19.0	17.6	31.0	21.0
29				0.0	35.0	21.0	4.2	34.0	20.0	4.4	33.0	21.0
30				0.0	36.0	21.0	0.6	34.0	20.0	1.6	27.0	21.0
31				0.0	36.0	21.0				8.8	30.0	22.0
Min	0.0	17.0	9.0	0.0	16.0	10.0	0.0	22.0	16.0	0.0	24.0	17.0
Max	2.8	29.0	14.0	18.0	36.0	21.0	17.4	37.0	25.0	17.6	38.0	24.0
Monthly												
Total	4.2			49.4	830.0	432.0	51.4			95.6		
Monthly												
Average	0.15	23.67	10.96	1.59	26.77	13.93	1.71	33.63	20.36	3.08	33.48	21.09

Daily Observed Meteorological Data												
Name of Site : Srinagar						Measuring Authority : HGDDDN				Code : GG200D5		
Name of River : Alaknanda						Year : 2016-2017						
Month	Jun-16			Jul-16			Aug-16			Sep-16		
Date	Rainfall	Atmospheric		Rainfall	Atmospheric		Rainfall	Atmospheric		Rainfall	Atmospheric	
	(mm)	Temperature (°c)		(mm)	Temperature (°c)		(mm)	Temperature (°c)		(mm)	Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1.0	0.0	39.0	27.5	0.4	39.0	32.0	1.2	31.0	26.0	28.0	39.0	24.0
2.0	0.0	39.0	27.0	9.4	40.0	33.0	7.0	30.0	26.0	0.0	37.0	26.0
3.0	0.0	40.0	30.0	91.4	40.0	31.0	7.6	31.0	25.5	0.0	37.5	28.0
4.0	0.0	39.0	30.5	0.0	45.5	30.5	3.2	33.0	26.0	0.0	38.0	29.0
5.0	0.0	40.5	32.0	1.2	38.5	27.5	0.0	38.0	27.0	0.0	39.0	29.0
6.0	10.0	39.5	29.0	0.0	38.0	27.0	27.2	37.0	26.0	0.0	38.0	28.0
7.0	0.0	35.0	28.0	0.0	40.0	32.0	1.4	36.5	25.5	0.0	39.0	29.0
8.0	6.2	30.0	26.0	0.0	38.0	30.5	25.2	36.0	26.0	0.0	38.5	28.0
9.0	0.0	37.5	27.0	0.0	39.0	32.0	8.7	36.5	26.0	0.0	39.0	28.0
10.0	0.0	35.0	28.0	0.0	40.0	33.0	25.0	34.0	24.0	0.0	39.0	31.0
11.0	0.0	40.0	32.0	0.0	43.0	32.0	4.6	30.0	26.0	0.0	38.0	31.0
12.0	0.0	40.0	32.0	0.0	40.0	32.0	8.6	30.0	25.5	0.0	33.0	27.0
13.0	0.0	40.0	32.0	2.6	37.0	30.0	0.4	32.5	26.0	6.8	35.0	28.0
14.0	17.8	39.5	29.5	2.4	37.0	30.0	0.0	35.0	27.0	1.0	34.0	28.0
15.0	2.3	37.5	30.5	16.8	37.0	30.0	43.6	33.0	26.0	0.0	36.0	28.0
16.0	72.8	31.0	27.0	88.2	32.5	28.5	1.4	36.0	27.0	0.0	36.5	28.5
17.0	7.6	30.0	27.5	29.2	31.5	26.5	28.2	32.0	27.0	0.0	38.0	28.5
18.0	1.0	38.5	27.5	49.2	31.5	26.5	12.0	30.0	25.0	0.0	38.0	28.5
19.0	0.0	40.0	28.0	2.8	31.5	25.0	2.6	28.5	25.0	0.0	37.0	29.0
20.0	0.0	42.0	32.0	0.0	35.5	26.0	0.8	31.5	25.5	0.0	37.0	29.0
21.0	0.0	42.0	30.0	0.0	39.5	29.0	14.4	31.5	21.5	0.0	37.0	29.0
22.0	0.0	40.0	30.0	4.4	36.0	30.0	0.0	36.5	25.5	0.4	35.0	29.0
23.0	20.6	40.0	29.0	139.0	30.0	27.0	36.4	31.0	26.0	0.0	31.0	26.0
24.0	0.0	40.0	29.0	7.0	30.0	26.0	0.0	34.0	26.0	0.2	34.0	26.0
25.0	0.0	41.0	33.0	0.0	38.0	26.0	0.0	37.0	27.0	1.6	34.0	26.0
26.0	0.0	40.5	33.0	0.0	40.0	30.0	0.0	39.0	29.0	0.0	34.0	26.0
27.0	0.6	42.0	32.0	34.0	40.0	30.0	17.0	35.0	28.0	0.0	35.0	28.0
28.0	1.2	41.0	33.0	11.8	32.0	28.5	0.0	31.0	26.0	0.0	35.0	28.0
29.0	0.0	39.5	32.0	1.2	32.0	27.5	0.0	38.0	36.0	0.0	37.0	27.0
30.0	1.0	42.5	33.5	26.8	32.5	32.0	2.8	34.0	27.5	0.0	36.0	26.5
31.0				4.0	30.0	26.0	2.8	34.0	27.0			
Min	0.0	30.0	26.0	0.0	30.0	25.0	0.0	28.5	21.5	0.0	31.0	24.0
Max	72.8	42.5	33.5	139.0	45.5	33.0	43.6	39.0	36.0	28.0	39.0	31.0
Monthly Total	141.1			521.8			282.1			38.0		
Monthly Average	4.7	38.7	29.9	16.8	36.6	29.3	9.1	33.6	26.4	1.3	36.5	27.9

Daily Observed Meteorological Data												
Name of Site : Srinagar						Measuring Authority : HGDDDN				Code : GG200D5		
Name of River : Alaknanda						Year : 2016-2017						
Month	Oct-16			Nov-16			Dec-16			Jan-17		
Date	Rainfall	Atmospheric		Rainfall	Atmospheric		Rainfall	Atmospheric		Rainfall	Atmospheric	
	(mm)	Temperature (°c)			Temperature (°c)			Temperature (°c)	(mm)		Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1.0	0.0	36.0	27.0	0.0	26.0	15.5	0.0	19.0	13.0	0.0	17.0	11.0
2.0	0.0	35.0	27.0	0.0	26.0	15.5	0.0	20.5	14.0	0.0	17.5	11.0
3.0	0.0	35.0	27.5	0.0	24.0	14.5	0.0	21.0	14.0	0.0	17.5	11.5
4.0	0.0	36.5	27.5	0.0	19.0	14.5	0.0	21.0	14.0	0.0	17.0	9.5
5.0	0.0	33.0	27.5	0.0	22.0	17.0	0.0	19.0	14.0	0.0	17.0	11.0
6.0	0.0	33.0	27.5	0.0	21.5	17.0	0.0	19.0	14.0	0.0	17.0	11.0
7.0	0.0	34.0	28.0	0.0	25.0	16.5	0.0	18.5	13.5	4.8	17.5	10.5
8.0	0.0	35.0	27.0	0.0	24.5	16.0	0.0	18.5	13.5	26.0	13.5	10.5
9.0	0.0	34.5	26.5	0.0	23.5	16.0	0.0	20.5	14.5	0.0	14.0	10.5
10.0	0.0	34.0	24.5	0.0	22.5	16.0	0.0	18.0	14.0	0.0	15.0	10.0
11.0	0.0	33.0	24.5	0.0	23.0	16.0	0.0	22.5	14.0	0.0	16.0	10.0
12.0	0.0	32.0	24.5	0.0	28.0	17.0	0.0	18.0	13.5	0.2	14.5	10.0
13.0	0.0	31.5	24.5	0.0	24.0	17.0	0.0	18.5	11.5	0.0	16.0	10.0
14.0	0.0	31.0	23.0	0.0	23.5	16.0	0.0	18.5	11.0	0.0	16.0	11.0
15.0	0.0	32.5	23.0	0.0	23.5	15.0	0.0	17.5	10.5	0.0	13.5	9.0
16.0	0.0	31.0	23.0	0.0	23.0	14.5	0.0	17.0	10.5	0.2	17.0	11.0
17.0	0.0	32.0	24.0	0.0	22.0	14.0	0.0	17.5	10.5	1.6	16.0	11.0
18.0	0.0	31.5	22.5	0.0	22.0	14.0	0.0	17.0	10.5	0.0	16.0	11.0
19.0	0.0	30.5	22.0	0.0	22.0	14.5	0.0	17.0	11.0	0.0	16.0	11.0
20.0	0.0	30.0	21.5	0.0	22.0	14.5	0.0	15.0	10.0	0.0	20.0	11.0
21.0	0.0	30.0	21.5	0.0	21.5	14.0	0.0	14.0	10.0	0.0	18.0	11.0
22.0	0.0	29.5	20.5	0.0	25.0	19.0	0.0	14.0	10.0	0.0	15.5	11.0
23.0	0.0	28.0	20.0	0.0	22.0	14.0	0.0	14.0	10.0	0.0	17.0	8.0
24.0	0.0	28.0	20.0	0.0	21.5	14.0	0.0	14.0	10.0	0.0	15.5	11.5
25.0	0.0	27.5	20.5	0.0	22.0	13.5	0.0	15.0	10.0	0.0	15.0	11.0
26.0	0.0	27.5	19.5	0.0	21.0	13.0	1.8	16.5	11.0	0.0	17.0	12.5
27.0	0.0	27.0	21.0	0.0	21.0	13.0	0.0	16.0	11.0	11.8	17.0	13.0
28.0	0.0	27.0	17.0	0.0	21.0	13.0	0.0	17.0	11.0	0.0	18.0	12.0
29.0	0.0	26.0	18.0	0.0	21.0	13.0	0.0	16.5	11.0	0.0	18.5	13.5
30.0	0.0	26.0	16.0	0.0	20.0	13.0	0.0	17.5	11.5	0.0	17.5	13.0
31.0	0.0	26.0	15.0				0.0	17.0	11.0	0.0	18.0	14.0
Min	0.0	26.0	15.0	0.0	19.0	13.0	0.0	14.0	10.0	0.0	13.5	8.0
Max	0.0	36.5	28.0	0.0	28.0	19.0	1.8	22.5	14.5	26.0	20.0	14.0
Monthly Total	0.0			0.0			1.8			44.6		
Monthly Average	0.0	31.1	23.0	0.0	22.8	15.0	0.1	17.6	11.9	1.4	16.5	11.0

Daily Observed Meteorological Data												
Name of Site : Srinagar						Measuring Authority : HGDDDN				Code : GG200D5		
Name of River : Alaknanda						Year : 2016-2017						
Month	Feb-17			Mar-17			Apr-17			May-17		
Date	Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1.0	0.0	20.0	15.0	2.6	25.0	17.0	0.0	35.0	26.5	2.8	26.5	22.5
2.0	0.0	22.0	14.0	0.0	26.0	17.0	0.0	36.0	26.5	0.0	32.5	22.5
3.0	0.0	22.0	14.0	0.0	26.0	17.0	0.0	36.5	26.5	0.0	35.0	24.0
4.0	0.0	21.5	14.5	0.0	26.0	17.5	0.0	35.0	26.5	0.0	32.0	27.0
5.0	0.0	21.0	14.0	0.0	27.0	15.5	5.8	32.0	23.0	0.0	32.0	27.5
6.0	3.2	20.5	14.0	0.0	27.0	17.0	24.6	22.5	19.5	0.0	36.5	26.5
7.0	0.0	20.5	14.0	0.0	27.0	18.0	7.8	25.5	19.5	0.0	36.5	28.0
8.0	0.0	20.5	14.0	0.8	26.5	17.0	2.2	25.0	19.5	0.0	38.5	29.5
9.0	0.0	21.5	13.5	11.2	26.5	17.0	0.0	24.0	19.0	2.6	38.0	27.0
10.0	0.0	18.0	13.0	0.6	22.0	15.0	0.0	30.0	21.5	0.0	35.0	27.0
11.0	0.0	18.0	13.5	23.6	20.0	14.0	0.0	30.0	22.0	0.0	33.5	23.5
12.0	0.0	18.5	12.5	3.6	17.0	16.0	0.0	31.0	23.0	9.6	35.0	28.0
13.0	0.0	18.5	12.5	0.0	16.0	15.0	0.0	31.5	24.0	2.2	34.0	26.5
14.0	0.0	18.5	12.5	0.0	20.0	14.0	0.0	31.0	26.0	0.0	34.5	27.5
15.0	0.0	21.5	14.0	0.0	25.0	16.0	0.0	31.0	26.0	0.0	35.0	28.0
16.0	0.0	22.5	14.5	0.0	22.0	17.0	0.0	36.0	28.0	0.0	36.0	27.5
17.0	0.0	25.0	17.0	0.8	22.5	17.5	0.0	36.0	27.0	0.0	37.0	27.0
18.0	0.0	25.0	18.0	0.0	27.0	17.5	0.0	36.5	28.0	4.2	36.0	26.5
19.0	0.0	25.5	18.0	0.0	27.0	17.0	0.0	36.5	29.0	0.0	37.0	28.0
20.0	0.0	25.0	19.0	0.0	28.0	18.5	0.0	36.0	29.0	0.0	36.5	27.5
21.0	5.4	25.5	17.5	0.0	27.5	17.0	0.0	35.5	27.5	6.2	36.0	28.0
22.0	0.0	21.0	16.0	0.0	30.0	20.0	1.4	36.5	29.5	0.8	36.0	28.0
23.0	0.0	24.0	16.0	0.0	32.5	21.5	0.0	36.5	29.5	0.0	36.0	27.5
24.0	0.0	22.5	16.0	0.0	32.5	22.0	0.0	36.5	29.0	0.0	38.0	27.5
25.0	0.0	22.5	16.5	0.0	32.5	23.5	0.0	36.0	27.5	0.0	36.5	27.0
26.0	0.0	26.0	16.0	0.0	31.0	24.0	0.0	36.0	26.0	0.6	36.0	26.5
27.0	0.0	26.0	16.5	0.0	30.5	24.5	0.0	34.0	27.0	36.8	35.0	25.0
28.0	0.0	26.0	17.0	0.0	32.5	25.0	0.0	34.0	26.0	3.2	31.0	26.0
29.0				0.0	34.0	25.5	0.0	34.5	26.5	7.0	34.0	25.0
30.0				0.0	36.0	26.0	1.6	34.5	25.0	0.8	34.0	27.0
31.0				0.0	36.5	26.5				2.8	32.0	26.0
Min	0	18	12.5	0	16	14	0	22.5	19	0	26.5	22.5
Max	5.4	26	19	23.6	36.5	26.5	24.6	36.5	29.5	36.8	38.5	29.5
Monthly Total	8.6			43.2			43.4			79.6		
Monthly Average	0.31	22.107	15.107	1.39	27.065	18.903	1.45	33.033	25.45	2.57	34.887	26.613

Daily Observed Meteorological Data												
Name of Site : Karanpryag						Measuring Authority : HGDDDN				Code : GG260A1		
Name of River : Pinder						Year : 2016-2017						
Month	Jun-16			Jul-16			Aug-16			Sep-16		
Date	Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1	0.0	38.0	26.0	0.0	38.0	26.0	1.8	33.0	24.0	4.0	38.0	23.0
2	0.0	39.0	28.0	73.8	28.0	24.0	0.6	31.0	24.0	31.0	39.0	23.0
3	5.2	38.0	23.0	10.2	30.0	24.0	12.4	41.0	24.0	0.0	41.0	24.0
4	0.0	37.0	24.0	0.6	31.0	24.0	12.8	35.0	24.0	0.0	40.0	24.0
5	0.0	36.0	26.0	3.4	39.0	24.0	0.0	39.0	25.0	0.0	39.0	23.0
6	5.0	38.0	22.0	6.6	37.0	26.0	29.8	37.0	24.0	0.0	39.0	24.0
7	12.8	39.0	22.0	0.0	39.0	26.0	19.8	37.0	24.0	0.0	40.0	24.0
8	0.0	36.0	21.0	0.0	41.0	26.0	2.8	33.0	24.0	0.0	40.0	24.0
9	0.6	39.0	23.0	0.0	40.0	25.0	0.4	34.0	24.0	0.0	40.0	24.0
10	0.0	38.0	24.0	12.0	41.0	28.0	50.0	36.0	24.0	0.0	39.0	24.0
11	0.0	41.0	25.0	33.8	41.0	26.0	7.0	33.0	23.0	7.2	39.0	26.0
12	0.0	40.0	27.0	6.0	35.0	26.0	36.0	37.0	23.0	22.4	28.0	23.0
13	1.0	39.0	24.0	17.8	39.0	24.0	2.8	35.0	24.0	30.6	36.0	23.0
14	10.4	40.0	24.0	26.2	40.0	25.0	6.2	37.0	24.0	0.0	31.0	19.0
15	32.8	39.0	24.0	42.0	32.0	24.0	1.8	33.0	24.0	0.0	40.0	23.0
16	5.6	35.0	24.0	46.2	32.0	25.0	9.8	32.0	24.0	0.6	39.0	23.0
17	0.0	30.0	24.0	34.6	29.0	23.0	48.0	33.0	23.0	0.0	38.0	24.0
18	1.4	40.0	25.0	36.4	27.0	23.0	3.8	27.0	22.0	0.0	37.0	24.0
19	55.4	40.0	25.0	10.2	30.0	24.0	5.6	42.0	23.0	0.0	38.0	24.0
20	0.6	39.0	26.0	0.0	41.0	26.0	1.0	35.0	24.0	0.0	33.0	23.0
21	0.6	41.0	26.0	0.0	38.0	26.0	5.6	34.0	24.0	0.0	33.0	24.0
22	19.8	40.0	24.0	3.0	37.0	26.0	0.0	41.0	25.0	3.0	34.0	22.0
23	1.0	37.0	25.0	141.0	36.0	24.0	0.0	39.0	24.0	0.0	29.0	21.0
24	0.0	39.0	26.0	23.6	29.0	22.0	0.0	37.0	25.0	0.0	30.0	20.0
25	0.0	38.0	27.0	0.0	39.0	25.0	0.0	38.0	25.0	16.4	38.0	21.0
26	61.8	36.0	26.0	0.4	41.0	26.0	10.6	43.0	25.0	0.4	38.0	21.0
27	25.0	39.0	25.0	14.2	30.0	24.0	43.2	41.0	24.0	4.0	40.0	21.0
28	7.4	40.0	25.0	18.0	30.0	24.0	0.0	30.0	22.0	0.0	30.0	21.0
29	29.8	38.0	26.0	36.8	34.0	24.0	0.0	41.0	25.0	2.6	32.0	20.0
30	4.0	42.0	27.0	22.6	39.0	24.0	5.4	42.0	24.0	0.0	37.0	21.0
31				1.8	33.0	24.0	19.6	32.0	24.0			
Min	0.0	30.0	21.0	0.0	27.0	22.0	0.0	27.0	22.0	0.0	28.0	19.0
Max	61.8	42.0	28.0	141.0	41.0	28.0	50.0	43.0	25.0	31.0	41.0	26.0
Monthly Total	280.2			621.2			336.8			122.2		
Monthly Average	9.3	38.4	24.8	20.0	35.4	24.8	10.9	36.1	23.9	4.1	36.5	22.7

Daily Observed Meteorological Data												
Name of Site : Karanpryag						Measuring Authority : HGDDDN				Code : GG260A1		
Name of River : Pinder						Year : 2016-2017						
Month	Oct-16			Nov-16			Dec-16			Jan-17		
Date	Rainfall	Atmospheric		Rainfall	Atmospheric		Rainfall	Atmospheric		Rainfall	Atmospheric	
	(mm)	Temperature (°c)		(mm)	Temperature (°c)		(mm)	Temperature (°c)		(mm)	Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1	0.0	39.0	22.0	0.0	29.0	14.0	0.0	22.0	12.0	0.0	21.0	9.0
2	0.0	37.0	23.0	0.0	27.0	15.0	0.0	22.0	12.0	0.0	20.0	9.0
3	0.0	32.0	22.0	0.0	26.0	14.0	0.0	22.0	11.0	0.0	22.0	8.0
4	0.0	34.0	23.0	0.0	27.0	14.0	0.0	24.0	11.0	0.0	21.0	9.0
5	2.5	31.0	22.0	0.0	28.0	14.0	0.0	23.0	11.0	0.0	21.0	9.0
6	6.6	31.0	21.0	0.0	28.0	14.0	0.0	22.0	11.0	0.0	21.0	9.0
7	0.0	31.0	22.0	0.0	29.0	14.0	0.0	23.0	12.0	0.0	21.0	9.0
8	0.0	32.0	21.0	0.0	28.0	14.0	0.0	23.0	12.0	11.6	14.0	8.0
9	0.2	33.0	19.0	0.0	26.0	14.0	0.0	23.0	11.0	0.0	18.0	7.0
10	0.0	36.0	20.0	0.0	27.0	14.0	0.0	23.0	11.0	0.0	20.0	7.0
11	0.0	31.0	17.0	0.0	25.0	13.0	0.0	22.0	11.0	0.0	20.0	7.0
12	0.0	33.0	17.0	0.0	26.0	14.0	0.0	23.0	10.0	0.0	16.0	6.0
13	0.0	34.0	18.0	0.0	26.0	14.0	0.0	24.0	10.0	0.0	18.0	6.0
14	0.0	34.0	17.0	0.0	26.0	14.0	0.0	21.0	9.0	0.0	19.0	6.0
15	0.0	29.0	18.0	0.0	26.0	13.0	0.0	21.0	9.0	0.0	20.0	9.0
16	0.0	34.0	18.0	0.0	25.0	14.0	0.0	21.0	10.0	0.5	20.0	10.0
17	0.0	32.0	18.0	0.0	25.0	11.0	0.0	22.0	10.0	0.2	14.0	9.0
18	0.0	33.0	17.0	0.0	25.0	11.0	0.0	21.0	9.0	0.0	14.0	9.0
19	0.0	31.0	17.0	0.0	25.0	12.0	0.0	21.0	9.0	0.0	13.0	9.0
20	0.0	32.0	17.0	0.0	24.0	12.0	0.0	21.0	9.0	0.0	19.0	8.0
21	0.0	31.0	17.0	0.0	24.0	13.0	0.0	20.0	9.0	0.0	22.0	8.0
22	0.0	30.0	16.0	0.0	23.0	14.0	0.0	19.0	9.0	0.0	17.0	9.0
23	0.0	30.0	15.0	0.0	26.0	10.0	0.0	19.0	9.0	0.0	16.0	8.0
24	0.0	30.0	14.0	0.0	25.0	13.0	0.0	19.0	9.0	0.0	23.0	8.0
25	0.0	30.0	14.0	0.0	23.0	10.0	0.0	19.0	9.0	0.0	19.0	10.0
26	0.0	30.0	14.0	0.0	25.0	10.0	2.0	20.0	10.0	0.0	21.0	9.0
27	0.0	29.0	13.0	0.0	25.0	10.0	0.0	21.0	9.0	8.2	22.0	12.0
28	0.0	29.0	13.0	0.0	21.0	11.0	0.0	19.0	9.0	0.4	18.0	11.0
29	0.0	29.0	15.0	0.0	25.0	11.0	0.0	19.0	9.0	0.0	23.0	11.0
30	0.0	28.0	13.0	0.0	23.0	11.0	0.0	20.0	9.0	0.0	21.0	9.0
31	0.0	24.0	14.0				0.0	20.0	9.0	0.0	24.0	9.0
Min	0.0	24.0	13.0	0.0	21.0	10.0	0.0	19.0	9.0	0.0	13.0	6.0
Max	6.6	39.0	23.0	0.0	29.0	15.0	2.0	24.0	12.0	11.6	24.0	12.0
Monthly Total	9.3			0.0			2.0			20.9		
Monthly Average	0.3	31.6	17.6	0.0	25.6	12.7	0.1	21.3	10.0	0.7	19.3	8.6

Daily Observed Meteorological Data												
Name of Site : Karanpryag						Measuring Authority : HGDDDN				Code : GG260A1		
Name of River : Pinder						Year : 2016-2017						
Month	Feb-17			Mar-17			Apr-17			May-17		
Date	Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1	0.0	21.0	9.0	0.0	29.0	16.0	0.0	37.0	18.0	8.6	32.0	22.0
2	0.0	22.0	9.0	4.8	22.0	14.0	0.0	36.0	18.0	0.0	35.0	19.0
3	0.0	24.0	11.0	0.0	28.0	12.0	0.0	37.0	20.0	0.0	38.0	19.0
4	0.0	23.0	11.0	0.0	30.0	14.0	0.0	37.0	19.0	0.0	35.0	21.0
5	0.0	22.0	12.0	0.0	29.0	12.0	3.6	36.0	19.0	0.0	37.0	21.0
6	2.8	21.0	12.0	0.0	31.0	12.0	33.4	35.0	18.0	5.2	37.0	22.0
7	0.0	23.0	11.0	0.0	29.0	13.0	18.0	32.0	18.0	0.0	39.0	20.0
8	0.0	23.0	12.0	1.0	29.0	16.0	28.0	32.0	16.0	0.0	41.0	25.0
9	0.0	221.0	11.0	12.6	17.0	14.0	0.0	31.0	16.0	12.2	43.0	20.0
10	0.0	24.0	10.0	0.0	21.0	13.0	0.0	33.0	17.0	1.0	36.0	20.0
11	0.0	23.0	10.0	24.8	10.0	10.0	0.0	34.0	17.0	0.0	35.0	21.0
12	0.0	24.0	11.0	10.0	27.0	9.0	0.0	35.0	19.0	0.0	40.0	21.0
13	0.0	25.0	11.0	0.0	18.0	9.0	0.0	36.0	19.0	0.0	41.0	20.0
14	0.0	23.0	11.0	0.0	20.0	10.0	0.0	37.0	20.0	0.0	41.0	21.0
15	0.0	24.0	12.0	0.0	28.0	12.0	0.0	36.0	19.0	6.2	42.0	20.0
16	0.0	24.0	12.0	0.0	29.0	13.0	0.0	36.0	18.0	0.0	44.0	20.0
17	0.0	24.0	12.0	4.0	31.0	14.0	0.0	37.0	21.0	4.2	43.0	21.0
18	0.0	24.0	14.0	2.4	26.0	11.0	0.0	37.0	23.0	2.6	43.0	18.0
19	0.0	25.0	10.0	0.0	30.0	13.0	0.0	36.6	24.0	7.2	37.0	21.0
20	0.0	24.0	15.0	0.0	29.0	14.0	0.0	25.0	21.0	0.0	40.0	21.0
21	5.8	29.0	14.0	0.0	29.0	14.0	12.4	37.0	22.0	0.0	41.0	21.0
22	4.0	20.0	11.0	0.0	32.0	15.0	0.0	35.0	22.0	0.0	42.0	23.0
23	0.0	26.0	11.0	0.0	33.0	17.0	0.0	35.0	22.0	0.0	42.0	20.0
24	0.0	27.0	11.0	0.0	30.0	17.0	0.0	37.0	21.0	0.0	41.0	20.0
25	0.0	27.0	11.0	0.0	35.0	17.0	12.0	36.0	19.0	0.0	44.0	21.0
26	0.0	29.0	11.0	0.0	30.0	17.0	0.0	34.0	18.0	6.0	43.0	22.0
27	0.0	29.0	11.0	0.0	35.0	17.0	0.0	35.0	19.0	9.8	32.0	19.0
28	0.0	29.0	12.0	0.0	34.0	18.0	0.0	37.0	23.0	8.6	35.0	19.0
29				0.0	31.0	20.0	0.0	37.0	19.0	2.6	34.0	20.0
30				0.0	37.0	20.0	1.0	37.0	21.0	5.6	34.0	20.0
31				0.0	37.0	20.0				10.4	4.0	21.0
Min	0.0	20.0	9.0	0.0	10.0	9.0	0.0	25.0	16.0	0.0	4.0	18.0
Max	5.8	221.0	15.0	24.8	37.0	20.0	33.4	37.0	24.0	12.2	44.0	25.0
Monthly Total	12.6			59.6			108.4			90.2		
Monthly Average	0.5	31.4	11.4	1.9	28.3	14.3	3.6	35.2	19.5	2.9	37.8	20.6

Daily Observed Meteorological Data												
Name of Site : Ganga Nagar						Measuring Authority : HGDDDN				Code : GG25015		
Name of River : Mandakini										Year : 2016-2017		
Month	Jun-16			Jul-16			Aug-16			Sep-16		
Date	Rainfall	Atmospheric		Rainfall	Atmospheric		Rainfall	Atmospheric		Rainfall	Atmospheric	
	(mm)	Temperature (°c)			Temperature (°c)			Temperature (°c)			Temperature (°c)	
		Max.	Min.	(mm)	Max.	Min.	(mm)	Max.	Min.	(mm)	Max.	Min.
1	0.0	33.0	24.0	2.4	32.0	30.0	11.8	29.0	26.0	4.0	29.0	25.0
2	22.2	33.0	25.0	56.4	30.0	29.0	14.0	32.0	26.0	5.4	31.0	25.0
3	0.0	33.0	25.0	9.4	30.0	28.0	10.2	30.0	26.0	3.2	31.0	27.0
4	0.0	32.0	22.0	0.0	30.0	28.0	0.4	32.0	27.0	0.0	32.0	26.0
5	10.4	32.0	22.0	0.0	29.0	28.0	6.8	32.0	27.0	0.0	32.0	27.0
6	11.0	31.0	24.0	0.0	32.0	29.0	24.2	34.0	27.0	0.0	34.0	28.0
7	9.4	33.0	24.0	0.0	35.0	30.0	2.4	31.0	27.0	0.0	34.0	28.0
8	0.0	32.0	24.0	0.0	35.0	30.0	0.0	31.0	27.0	0.0	34.0	29.0
9	0.0	29.0	24.0	0.0	36.0	30.0	17.2	30.0	27.0	0.0	34.0	30.0
10	0.0	30.0	25.0	36.0	36.0	30.0	54.0	31.0	27.0	0.0	34.0	30.0
11	0.0	33.0	27.0	0.0	36.0	30.0	6.0	29.0	26.0	1.6	33.0	29.0
12	0.0	33.0	27.0	0.0	32.0	30.0	9.6	28.0	26.0	2.2	30.0	27.0
13	6.6	30.0	27.0	27.0	33.0	28.0	10.0	30.0	26.0	24.4	32.0	27.0
14	0.0	30.0	27.0	11.6	33.0	29.0	0.0	31.0	27.0	4.6	32.0	27.0
15	0.0	33.0	27.0	42.0	30.0	27.0	0.0	31.0	27.0	0.0	31.0	26.0
16	0.0	31.0	28.0	72.4	32.0	27.0	48.0	32.0	27.0	0.0	33.0	28.0
17	0.2	30.0	27.0	18.2	29.0	26.0	27.0	29.0	26.0	0.0	31.0	26.0
18	3.2	33.0	28.0	24.4	27.0	25.0	2.0	26.0	22.0	0.0	32.0	28.0
19	0.0	32.0	28.0	4.4	29.0	24.0	0.0	27.0	25.0	0.0	34.0	28.0
20	0.0	30.0	29.0	0.0	33.0	26.0	9.2	29.0	25.0	0.0	33.0	28.0
21	6.4	35.0	31.0	0.0	35.0	29.0	4.0	30.0	26.0	0.0	34.0	29.0
22	4.0	32.0	29.0	5.8	34.0	30.0	0.0	30.0	26.0	13.0	32.0	27.0
23	0.0	32.0	28.0	17.0	31.0	27.0	0.0	31.0	26.0	1.4	33.0	26.0
24	0.0	32.0	29.0	14.4	29.0	26.0	0.0	31.0	27.0	0.0	32.0	24.0
25	0.0	32.0	29.0	0.0	29.0	26.0	0.0	33.0	28.0	0.0	29.0	24.0
26	41.4	32.0	30.0	12.2	34.0	28.0	20.6	34.0	29.0	0.0	30.0	25.0
27	19.0	32.0	30.0	55.8	31.0	27.0	28.8	32.0	27.0	0.6	31.0	26.0
28	0.0	31.0	30.0	8.0	31.0	26.0	0.0	32.0	26.0	0.0	31.0	26.0
29	0.0	32.0	31.0	2.8	30.0	26.0	0.0	32.0	25.0	0.0	30.0	26.0
30	14.6	33.0	31.0	14.0	30.0	27.0	0.0	31.0	26.0	0.0	31.0	26.0
31				0.0	29.0	27.0	0.0	30.0	26.0			
Min	0.0	29.0	22.0	0.0	27.0	24.0	0.0	26.0	22.0	0.0	29.0	24.0
Max	41.4	35.0	31.0	72.4	36.0	30.0	54.0	34.0	29.0	24.4	34.0	30.0
Monthly Total	148.4			434.2			306.2			60.4		
Monthly Average	4.9	31.9	27.1	14.0	31.7	27.8	9.9	30.6	26.3	2.0	32.0	26.9

Daily Observed Meteorological Data												
Name of Site : Ganga Nagar					Measuring Authority : HGDDDN					Code : GG25015		
Name of River : Mandakini					Year : 2016-2017							
Month	Oct-16			Nov-16			Dec-16			Jan-17		
Date	Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1	0.0	30.0	26.0	0.0	22.0	17.0	0.0	18.0	13.0	0.0	14.0	10.0
2	0.0	31.0	27.0	0.0	22.0	18.0	0.0	20.0	13.0	0.0	15.0	11.0
3	0.0	31.0	27.0	0.0	22.0	18.0	0.0	20.0	13.0	0.0	15.0	11.0
4	0.0	30.0	27.0	0.0	22.0	17.0	0.0	20.0	13.0	0.0	15.0	11.0
5	0.0	30.0	26.0	0.0	22.0	17.0	0.0	17.0	13.0	0.0	14.0	10.0
6	0.0	28.0	26.0	0.0	22.0	16.0	0.0	17.0	13.0	0.0	14.0	10.0
7	0.0	30.0	26.0	0.0	20.0	17.0	0.0	17.0	13.0	0.0	13.0	10.0
8	0.0	30.0	26.0	0.0	20.0	16.0	0.0	17.0	12.0	1.0	13.0	10.0
9	0.0	30.0	25.0	0.0	21.0	16.0	0.0	17.0	13.0	0.0	13.0	9.0
10	0.0	30.0	24.0	0.0	21.0	16.0	0.0	16.0	12.0	0.0	13.0	9.0
11	0.0	28.0	22.0	0.0	20.0	16.0	0.0	17.0	12.0	2.6	12.0	9.0
12	0.0	27.0	22.0	0.0	20.0	16.0	0.0	17.0	12.0	0.0	12.0	8.0
13	0.0	27.0	22.0	0.0	20.0	16.0	0.0	17.0	12.0	0.0	12.0	8.0
14	0.0	28.0	23.0	0.0	20.0	15.0	0.0	15.0	11.0	0.0	12.0	8.0
15	0.0	27.0	23.0	0.0	20.0	15.0	0.0	15.0	11.0	0.0	12.0	7.0
16	0.0	26.0	23.0	0.0	20.0	15.0	0.0	14.0	11.0	0.0	12.0	7.0
17	0.0	28.0	22.0	0.0	20.0	14.0	0.0	15.0	11.0	0.0	12.0	8.0
18	0.0	27.0	22.0	0.0	20.0	14.0	0.0	15.0	11.0	0.0	12.0	8.0
19	0.0	27.0	22.0	0.0	20.0	13.0	0.0	14.0	11.0	0.0	13.0	8.0
20	0.0	27.0	22.0	0.0	21.0	13.0	0.0	14.0	11.0	0.0	13.0	8.0
21	0.0	26.0	24.0	0.0	21.0	13.0	0.0	13.0	10.0	0.0	13.0	8.0
22	0.0	26.0	24.0	0.0	20.0	13.0	0.0	14.0	10.0	0.0	13.0	9.0
23	0.0	25.0	20.0	0.0	21.0	14.0	0.0	14.0	10.0	0.0	13.0	9.0
24	0.0	26.0	25.0	0.0	21.0	14.0	0.0	13.0	10.0	0.0	14.0	8.0
25	0.0	25.0	19.0	0.0	21.0	13.0	0.0	13.0	10.0	0.0	14.0	10.0
26	0.0	24.0	19.0	0.0	21.0	13.0	0.0	12.0	10.0	0.0	15.0	11.0
27	0.0	24.0	20.0	0.0	20.0	13.0	0.0	12.0	9.0	0.0	11.0	8.0
28	0.0	24.0	19.0	0.0	20.0	13.0	0.0	14.0	9.0	0.0	16.0	11.0
29	0.0	24.0	19.0	0.0	18.0	13.0	0.0	14.0	9.0	0.0	16.0	12.0
30	3.6	24.0	19.0	0.0			0.0	14.0	9.0	0.0	16.0	12.0
31	0.0	23.0	19.0				0.0	14.0	9.0	0.0	16.0	12.0
Min	0.0	23.0	19.0	0.0	18.0	13.0	0.0	12.0	9.0	0.0	11.0	7.0
Max	3.6	31.0	27.0	0.0	22.0	18.0	0.0	20.0	13.0	7.6	16.0	12.0
Monthly Total	3.6			0.0			0.0			11.2		
Monthly Average	0.1	27.2	22.9	0.0	20.6	14.9	0.0	15.4	11.2	0.4	13.4	9.3

Daily Observed Meteorological Data												
Name of Site : Ganga Nagar						Measuring Authority : HGDDDN				Code : GG25015		
Name of River : Mandakini										Year : 2015-2016		
Month	Feb-17			Mar-17			Apr-17			May-17		
Date	Rainfall	Atmospheric		Rainfall	Atmospheric		Rainfall	Atmospheric		Rainfall	Atmospheric	
	(mm)	Temperature (°c)		(mm)	Temperature (°c)		(mm)	Temperature (°c)		(mm)	Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1	0.0	16.0	13.0	0.0	22.0	16.0	0.0	30.0	25.0	0.0	28.0	25.0
2	0.0	18.0	13.0	0.0	22.0	16.0	0.0	30.0	25.0	0.0	30.0	25.0
3	0.0	17.0	13.0	0.0	22.0	15.0	0.0	31.0	26.0	0.0	31.0	25.0
4	0.0	20.0	13.0	0.0	22.0	15.0	0.0	31.0	26.0	0.0	30.0	25.0
5	0.0	20.0	13.0	0.0	22.0	15.0	0.0	30.0	26.0	0.0	30.0	25.0
6	2.8	19.0	13.0	0.0	22.0	16.0	32.8	30.0	25.0	0.0	28.0	24.0
7	0.0	19.0	13.0	0.0	22.0	16.0	6.6	31.0	25.0	0.0	28.0	24.0
8	0.0	19.0	13.0	0.0	22.0	16.0	3.6	31.0	25.0	0.0	28.0	25.0
9	0.0	19.0	13.0	0.0	22.0	16.0	0.0	31.0	26.0	0.0	28.0	25.0
10	0.0	18.0	13.0	0.0	22.0	15.0	0.0	31.0	26.0	8.2	30.0	21.0
11	0.0	18.0	12.0	10.2	22.0	15.0	0.0	31.0	25.0	0.2	26.0	22.0
12	0.0	18.0	12.0	6.4	23.0	15.0	0.0	30.0	26.0	8.0	28.0	22.0
13	0.0	18.0	12.0	0.0	22.0	15.0	0.0	30.0	26.0	3.2	28.0	23.0
14	0.0	18.0	12.0	0.0	22.0	15.0	0.0	30.0	25.0	4.2	29.0	23.0
15	0.0	19.0	12.0	0.0	23.0	15.0	0.0	31.0	26.0	0.8	29.0	24.0
16	0.0	19.0	12.0	0.0	23.0	15.0	0.0	31.0	26.0	8.4	29.0	24.0
17	0.0	20.0	14.0	1.2	22.0	13.0	0.0	31.0	26.0	2.4	28.0	24.0
18	0.0	21.0	17.0	1.2	22.0	14.0	0.0	31.0	27.0	10.6	30.0	24.0
19	0.0	22.0	17.0	0.0	22.0	14.0	0.0	31.0	27.0	0.0	29.0	23.0
20	0.0	22.0	18.0	0.0	22.0	14.0	1.6	31.0	26.0	0.0	30.0	22.0
21	0.0	21.0	17.0	0.0	22.0	14.0	5.0	30.0	25.0	0.0	30.0	22.0
22	2.6	19.0	16.0	0.0	25.0	14.0	0.0	30.0	25.0	0.0	29.0	22.0
23	0.0	20.0	15.0	0.0	25.0	14.0	0.0	32.0	26.0	0.0	32.0	26.0
24	0.0	21.0	15.0	0.0	26.0	14.0	0.0	32.0	26.0	8.0	29.0	25.0
25	0.0	22.0	15.0	0.0	26.0	15.0	0.0	32.0	26.0	0.0	31.0	24.0
26	0.0	22.0	16.0	0.0	26.0	15.0	0.0	32.0	26.0	0.0	32.0	26.0
27	0.0	22.0	15.0	0.0	26.0	15.0	2.0	31.0	24.0	0.0	31.0	26.0
28	0.0	22.0	16.0	0.0	27.0	15.0	0.0	31.0	24.0	22.4	31.0	26.0
29				0.0	25.0	15.0	0.0	31.0	24.0	7.2	30.0	24.0
30				0.0	26.0	18.0	9.0	27.0	24.0	0.0	26.0	24.0
31				0	31	26				32.4	29.0	23.0
Min	0.0	16.0	12.0	0.0	22.0	13.0	0.0	27.0	24.0	0.0	26.0	21.0
Max	2.8	22.0	18.0	10.2	31.0	26.0	32.8	32.0	27.0	32.4	32.0	26.0
Monthly Total	5.4			19.0			60.6			116.0		
Monthly Average	0.2	19.6	14.0	0.6	23.5	15.4	2.0	30.7	25.5	3.7	29.3	24.0

Daily Observed Meteorological Data												
Name of Site : Rudrapryag					Measuring Authority : HGDDDN					Code : GG250A5		
Name of River : Mandakini										Year : 2016-2017		
Month	Jun-16			Jul-16			Aug-16			Sep-16		
Date	Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1	0.0	32.0	21.0	0.0	38.0	27.0	2.4	32.0	23.0	5.8	33.0	24.0
2	0.0	39.0	24.0	65.6	33.0	26.0	31.2	29.0	22.0	3.0	32.0	24.0
3	50.4	39.0	23.0	27.0	29.0	23.0	2.2	32.0	22.0	0.0	35.0	25.0
4	0.0	37.0	23.0	24.0	31.0	23.0	1.4	34.0	22.0	0.0	35.0	25.0
5	0.0	39.0	26.0	3.4	34.0	24.0	16.0	36.0	22.0	0.0	35.0	25.0
6	1.8	39.0	22.0	0.0	37.0	23.0	30.8	36.0	24.0	0.0	35.0	25.0
7	2.0	35.0	21.0	0.0	37.0	26.0	0.2	34.0	24.0	0.0	32.0	25.0
8	0.4	30.0	20.0	0.0	38.0	26.0	4.4	36.0	26.0	0.0	32.0	25.0
9	0.4	35.0	21.0	0.0	38.0	26.0	12.6	34.0	24.0	0.0	36.0	25.0
10	0.0	37.0	22.0	1.2	39.0	26.0	39.2	33.0	23.0	0.0	36.0	25.0
11	0.0	39.0	24.0	2.2	39.0	26.0	36.4	29.0	23.0	5.0	36.0	26.0
12	0.0	40.0	25.0	0.0	37.0	27.0	15.4	30.0	23.0	6.8	31.0	26.0
13	0.0	40.0	23.0	6.0	37.0	25.0	0.0	32.0	23.0	24.2	34.0	24.0
14	25.4	39.0	23.0	26.2	37.0	25.0	5.8	35.0	23.0	0.0	33.0	24.0
15	0.0	37.0	24.0	35.6	38.0	23.0	0.0	32.0	23.0	0.0	32.0	24.0
16	1.8	31.0	24.0	45.0	31.0	27.0	1.2	35.0	23.0	0.0	35.0	24.0
17	0.2	31.0	22.0	23.8	38.0	22.0	48.8	31.0	23.0	0.0	35.0	25.0
18	3.2	38.0	22.0	47.2	30.0	21.0	9.8	33.0	22.0	0.0	35.0	24.0
19	3.0	39.0	24.0	28.2	28.0	23.0	1.4	29.0	22.0	0.0	32.0	24.0
20	0.0	39.0	25.0	0.0	33.0	24.0	7.0	35.0	24.0	0.0	36.0	25.0
21	0.0	4.0	27.0	0.0	35.0	25.0	5.6	34.0	23.0	0.0	35.0	25.0
22	0.0	41.0	26.0	11.0	38.0	25.0	0.0	36.0	24.0	15.2	35.0	24.0
23	1.0	36.0	23.0	60.8	36.0	24.0	15.4	34.0	23.0	0.2	29.0	22.0
24	0.0	38.0	24.0	26.6	30.0	21.0	0.0	32.0	22.0	0.4	33.0	20.0
25	0.0	40.0	27.0	0.0	30.0	22.0	0.0	34.0	24.0	2.0	32.0	21.0
26	0.0	39.0	27.0	0.0	36.0	25.0	39.2	35.0	25.0	6.0	33.0	21.0
27	1.6	40.0	27.0	54.4	37.0	23.0	6.6	32.0	24.0	1.8	33.0	21.0
28	0.0	4.0	27.0	21.8	32.0	23.0	0.0	30.0	23.0	0.0	34.0	21.0
29	0.0	39.0	27.0	0.0	38.0	23.0	0.0	33.0	23.0	0.2	34.0	21.0
30	3.6	42.0	28.0	33.0	34.0	23.0	2.0	32.0	24.0	0.0	33.0	21.0
31				20.0	33.0	23.0	0.0	33.0	25.0	0		
Min	0.0	4.0	20.0	0.0	28.0	21.0	0.0	29.0	22.0	0.0	29.0	20.0
Max	50.4	42.0	28.0	65.6	39.0	27.0	48.8	36.0	26.0	24.2	36.0	26.0
Monthly Total	94.8			563.0			335.0			70.6		
Monthly Average	3.16	35.26	24.06	18.16	34.87	24.19	10.80	32.96	23.25	2.35	33.70	23.7

Daily Observed Meteorological Data												
Name of Site : Rudrapryag					Measuring Authority : HGDDDN					Code : GG250A5		
Name of River : Mandakini										Year : 2016-2017		
Month	Oct-16			Nov-16			Dec-16			Jan-17		
Date	Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1	0.0	32.0	21.0	0.0	27.0	15.0	0.0	23.0	12.0	0.0	20.0	9.0
2	0.0	32.0	22.0	0.0	27.0	14.0	0.0	24.0	12.0	0.0	18.0	7.0
3	0.0	34.0	22.0	0.0	26.0	14.0	0.0	24.0	11.0	0.0	16.0	7.0
4	0.0	34.0	22.0	0.0	26.0	14.0	0.0	24.0	11.0	0.0	20.0	7.0
5	0.0	32.0	23.0	0.0	27.0	14.0	0.0	24.0	11.0	0.0	21.0	8.0
6	0.0	32.0	22.0	0.0	26.0	14.0	0.0	23.0	11.0	0.0	21.0	8.0
7	0.0	32.0	22.0	0.0	26.0	13.0	0.0	23.0	11.0	0.0	20.0	8.0
8	0.0	34.0	22.0	0.0	26.0	13.0	0.0	24.0	11.0	7.2	13.0	8.0
9	0.0	34.0	20.0	0.0	26.0	13.0	0.0	23.0	11.0	0.0	13.0	6.0
10	0.0	33.0	20.0	0.0	26.0	14.0	0.0	23.0	12.0	0.0	16.0	6.0
11	0.0	32.0	18.0	0.0	26.0	14.0	0.0	22.0	11.0	0.0	18.0	7.0
12	0.0	32.0	18.0	0.0	25.0	14.0	0.0	22.0	10.0	1.0	14.0	5.0
13	0.0	32.0	18.0	0.0	25.0	14.0	0.0	21.0	10.0	0.0	16.0	6.0
14	0.0	32.0	18.0	0.0	25.0	13.0	0.0	20.0	10.0	0.0	17.0	5.0
15	0.0	32.0	18.0	0.0	25.0	12.0	0.0	21.0	8.0	0.0	17.0	6.0
16	0.0	32.0	18.0	0.0	21.0	11.0	0.0	21.0	9.0	0.0	19.0	9.0
17	0.0	32.0	18.0	0.0	25.0	11.0	0.0	20.0	9.0	3.8	16.0	8.0
18	0.0	31.0	19.0	0.0	24.0	10.0	0.0	22.0	9.0	0.0	19.0	7.0
19	0.0	31.0	19.0	0.0	23.0	11.0	0.0	21.0	10.0	0.0	17.0	7.0
20	0.0	31.0	19.0	0.0	23.0	11.0	0.0	21.0	8.0	0.0	20.0	12.0
21	0.0	31.0	19.0	0.0	24.0	11.0	0.0	21.0	7.0	0.0	21.0	7.0
22	0.0	31.0	17.0	0.0	24.0	11.0	0.0	20.0	7.0	0.0	16.0	8.0
23	0.0	30.0	16.0	0.0	24.0	11.0	0.0	19.0	7.0	0.0	19.0	7.0
24	0.0	29.0	15.0	0.0	26.0	11.0	0.0	20.0	9.0	0.0	22.0	8.0
25	0.0	29.0	15.0	0.0	22.0	10.0	0.0	21.0	9.0	0.0	18.0	9.0
26	0.0	29.0	15.0	0.0	25.0	11.0	0.0	19.0	9.0	0.0	21.0	10.0
27	0.0	29.0	14.0	0.0	24.0	11.0	0.0	18.0	7.0	7.8	19.0	11.0
28	0.0	28.0	14.0	0.0	24.0	11.0	0.0	20.0	7.0	0.0	20.0	9.0
29	0.0	28.0	14.0	0.0	25.0	12.0	0.0	21.0	8.0	0.0	21.0	10.0
30	0.0	27.0	14.0	0.0	24.0	12.0	0.0	21.0	8.0	0.0	20.0	10.0
31	0.0	27.0	14.0	0			0.0	21.0	9.0	0.2	19.0	10.0
Min	0.0	27.0	14.0	0.0	21.0	10.0	0.0	18.0	7.0	0.0	13.0	5.0
Max	0.0	34.0	23.0	0.0	27.0	15.0	0.0	24.0	12.0	7.8	22.0	12.0
Monthly Total	0.0			0.0			0.0			20.0		
Monthly Average	0.00	31.09	18.25	0.00	24.90	12.33	0.00	21.83	9.48	0.64	18.29	7.90

Daily Observed Meteorological Data												
Name of Site : Rudrapryag						Measuring Authority : HGDDDN				Code : GG250A5		
Name of River : Mandakini						Year : 2016-2017						
Month	Feb-17			Mar-17			Apr-17			May-17		
Date	Rainfall	Atmospheric		Rainfall	Atmospheric		Rainfall	Atmospheric		Rainfall	Atmospheric	
	(mm)	Temperature (°c)		(mm)	Temperature (°c)		(mm)	Temperature (°c)		(mm)	Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1	0.0	22.0	11.0	1.4	24.0	14.0	0.0	36.0	22.0	5.4	24.0	17.0
2	0.0	23.0	10.0	4.2	23.0	10.0	0.0	37.0	21.0	0.0	32.0	18.0
3	0.0	18.0	9.0	0.0	26.0	14.0	0.0	37.0	20.0	0.0	34.0	19.0
4	0.0	24.0	11.0	0.0	26.0	13.0	0.0	35.0	17.0	0.0	31.0	20.0
5	0.0	20.0	12.0	0.0	27.0	13.0	4.6	27.0	20.0	0.0	32.0	20.0
6	0.0	17.0	11.0	0.0	27.0	12.0	16.0	22.0	16.0	0.0	35.0	21.0
7	0.0	22.0	10.0	0.0	27.0	13.0	4.8	28.0	17.0	0.0	36.0	21.0
8	0.0	23.0	10.0	0.8	24.0	13.0	3.4	23.0	17.0	0.0	38.0	24.0
9	0.0	23.0	10.0	8.6	16.0	13.0	0.0	31.0	17.0	3.2	38.0	21.0
10	0.0	22.0	9.0	0.0	22.0	13.0	0.0	31.0	18.0	1.2	36.0	21.0
11	0.0	22.0	9.0	18.0	22.0	11.0	0.0	31.0	17.0	0.2	36.0	21.0
12	0.0	24.0	10.0	0.4	16.0	10.0	0.0	31.0	18.0	2.8	35.0	22.0
13	0.0	19.0	9.0	0.0	21.0	10.0	0.0	34.0	19.0	5.0	34.0	20.0
14	0.0	24.0	11.0	0.0	23.0	10.0	0.0	37.0	18.0	1.6	35.0	21.0
15	0.0	26.0	11.0	0.0	25.0	11.0	0.4	36.0	21.0	0.6	33.0	21.0
16	0.0	26.0	11.0	0.0	26.0	12.0	0.0	36.0	21.0	2.4	37.0	22.0
17	0.0	27.0	14.0	0.6	26.0	14.0	0.0	37.0	23.0	0.4	32.0	22.0
18	0.0	24.0	10.0	10.8	26.0	12.0	0.0	37.0	24.0	4.6	33.0	20.0
19	0.0	24.0	10.0	0.0	25.0	12.0	0.0	36.0	25.0	7.8	34.0	21.0
20	0.0	27.0	10.0	4.6	27.0	13.0	17.4	36.0	22.0	1.8	34.0	22.0
21	2.8	29.0	10.0	0.0	27.0	13.0	0.0	36.0	23.0	0.0	34.0	23.0
22	1.4	22.0	13.0	0.0	28.0	10.0	0.0	36.0	25.0	0.4	37.0	23.0
23	0.0	24.0	12.0	0.0	28.0	10.0	0.0	36.0	24.0	7.4	32.0	22.0
24	0.0	23.0	12.0	0.0	31.0	17.0	0.0	36.0	24.0	0.0	32.0	22.0
25	0.0	26.0	12.0	0.0	32.0	17.0	0.0	36.0	22.0	0.0	32.0	23.0
26	0.0	27.0	13.0	0.0	32.0	19.0	0.0	36.0	21.0	3.0	35.0	21.0
27	0.0	27.0	13.0	0.0	33.0	20.0	0.0	34.0	20.0	15.4	36.0	21.0
28	0.0	28.0	14.0	0.0	33.0	20.0	0.0	33.0	19.0	17.6	31.0	21.0
29				0.0	35.0	21.0	4.2	34.0	20.0	4.4	33.0	21.0
30				0.0	36.0	21.0	0.6	34.0	20.0	1.6	27.0	21.0
31				0.0	36.0	21.0				8.8	30.0	22.0
Min	0.0	17.0	9.0	0.0	16.0	10.0	0.0	22.0	16.0	0.0	24.0	17.0
Max	2.8	29.0	14.0	18.0	36.0	21.0	17.4	37.0	25.0	17.6	38.0	24.0
Monthly Total	4.2			49.4	830.0	432.0	51.4			95.6		
Monthly Average	0.15	23.67	10.96	1.59	26.77	13.93	1.71	33.63	20.36	3.08	33.48	21.09

Daily Observed Meteorological Data												
Name of Site : Uttarkashi						Measuring Authority : HGDDDN				Code : GG100K4		
Name of River : Bhagirathi										Year : 2016-2017		
Month	Jun-16			Jul-16			Aug-16			Sep-16		
Date	Rainfall	Atmospheric		Rainfall	Atmospheric		Rainfall	Atmospheric		Rainfall	Atmospheric	
	(mm)	Temperature (°c)		(mm)	Temperature (°c)		(mm)	Temperature (°c)		(mm)	Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1	0.0	38.5	31.0	23.4	31.5	22.0	13.0	29.0	19.0	2.2	27.0	19.5
2	0.0	34.5	21.5	28.4	30.5	20.5	15.4	27.5	20.0	46.6	33.0	21.0
3	0.0	34.5	22.0	20.2	30.0	20.0	3.2	29.0	21.0	0.0	32.5	21.0
4	0.0	34.0	22.0	0.6	28.5	22.0	3.6	28.0	20.0	0.0	33.5	21.0
5	0.0	34.0	20.0	2.0	28.5	22.5	18.2	30.0	22.0	7.8	32.0	21.0
6	0.8	31.5	20.0	14.0	29.5	22.5	90.8	29.0	20.0	0.0	35.5	21.5
7	9.8	31.5	20.0	0.0	33.0	24.0	13.6	28.5	19.0	0.0	33.0	20.0
8	0.4	27.0	16.0	0.0	35.5	23.5	19.0	28.0	19.0	0.0	34.5	21.0
9	5.4	33.0	20.0	2.0	35.0	23.5	0.6	26.5	20.0	0.0	34.5	21.5
10	0.0	34.0	20.5	20.6	32.5	22.0	33.8	32.5	21.0	0.0	30.0	22.0
11	9.0	35.0	21.0	0.0	30.5	22.0	40.8	26.5	20.0	0.0	32.5	21.0
12	0.0	34.0	20.0	86.6	29.0	21.0	21.8	27.0	19.5	0.4	31.5	22.0
13	6.8	28.0	19.5	24.0	28.5	19.0	0.0	26.5	20.0	0.0	32.5	22.0
14	7.0	33.0	19.0	12.8	32.5	22.0	4.6	31.5	21.5	0.0	34.0	22.0
15	24.0	31.5	19.5	22.8	30.5	22.0	5.8	27.0	20.0	0.0	34.5	21.5
16	21.0	30.5	18.0	17.8	34.0	23.5	7.4	30.0	21.0	0.0	28.0	21.0
17	1.8	31.0	18.5	60.6	28.5	18.0	22.4	29.5	20.0	0.0	27.0	20.0
18	13.8	33.0	21.0	26.2	28.0	17.5	7.2	26.0	19.0	18.4	27.0	19.0
19	0.0	34.5	24.0	2.0	29.0	19.5	0.0	28.0	19.0	0.0	29.5	19.5
20	0.0	34.5	22.0	0.0	32.5	21.5	13.4	29.5	20.5	0.0	32.0	21.0
21	0.0	35.0	23.5	0.0	32.0	24.0	17.4	30.0	19.5	0.0	33.5	22.0
22	7.8	31.5	22.0	10.8	29.5	21.0	0.0	35.0	20.5	25.4	31.0	21.0
23	22.0	30.0	19.0	48.4	30.5	20.0	11.6	31.0	20.0	1.0	30.5	18.0
24	0.0	34.5	21.0	1.4	30.0	20.0	0.0	31.0	21.0	2.8	31.0	17.5
25	0.0	34.5	23.0	25.8	34.5	22.0	14.2	31.0	20.5	0.2	31.5	18.0
26	20.0	34.5	22.5	8.0	33.5	22.0	31.4	31.5	21.5	0.4	30.0	16.0
27	65.2	34.0	22.0	60.0	33.5	21.0	33.8	31.0	20.0	0.0	31.5	17.5
28	13.4	32.5	22.0	19.6	30.0	20.0	1.2	26.0	18.5	0.0	31.5	19.0
29	0.0	32.0	23.0	3.2	31.0	21.0	0.0	34.5	19.5	0.0	32.0	19.0
30	31.8	35.0	24.0	3.6	29.5	20.0	9.0	28.0	20.5	0.0	31.0	19.0
31				23.2	30.0	19.5	2.0	29.0	20.0			
Min	0.0	27.0	16.0	0.0	28.0	17.5	0.0	26.0	18.5	0.0	27.0	16.0
Max	65.2	38.5	31.0	86.6	35.5	24.0	90.8	35.0	22.0	46.6	35.5	22.0
Monthly Total	260.0			568.0			455.2			105.2	27.0	19.5
Monthly Average	8.7	33.0	21.3	18.3	31.0	21.3	13.0	29.3	20.1	3.5	33.0	21.0

Daily Observed Meteorological Data												
Name of Site : Uttarkashi					Measuring Authority : HGDDDN					Code : GG100K4		
Name of River : Bhagirathi					Year : 2016-2017							
Month	Oct-16			Nov-16			Dec-16			Jan-17		
Date	Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1	0.0	32.0	20.0	0.0	29.0	14.0	0.0	25.5	9.0	0.0	17.5	6.5
2	0.0	33.0	20.0	0.0	29.5	20.5	0.0	25.0	9.0	8.0	16.5	6.5
3	19.2	31.0	18.5	0.0	29.5	19.0	0.0	24.5	8.5	0.0	16.0	6.0
4	0.0	33.5	19.0	0.0	29.0	18.0	0.0	24.0	8.5	0.0	15.5	6.0
5	25.0	32.0	18.0	0.0	29.5	14.5	0.0	23.0	8.5	0.0	16.5	6.5
6	2.0	31.0	19.0	0.0	28.5	15.0	0.0	22.5	8.5	0.0	17.0	6.5
7	0.0	30.5	18.5	0.0	28.5	14.0	0.0	23.5	9.0	3.6	16.0	6.0
8	0.0	30.0	18.0	0.0	28.0	14.5	0.0	24.0	9.5	11.6	14.5	5.5
9	0.0	31.5	18.0	0.0	28.5	14.5	0.0	24.0	9.0	0.0	13.0	5.0
10	0.0	30.0	16.5	0.0	28.0	14.0	0.0	23.0	8.5	2.0	13.0	5.5
11	1.0	30.0	16.0	0.0	27.5	14.5	0.0	22.5	8.5	2.2	12.5	4.5
12	0.0	29.5	16.0	0.0	27.5	13.5	0.0	22.0	8.0	0.0	13.5	4.0
13	0.0	30.0	16.0	0.0	28.5	13.0	0.0	21.0	7.5	0.0	15.5	4.5
14	0.0	30.0	15.0	0.0	26.0	11.5	0.0	20.0	7.0	0.0	15.0	4.5
15	0.0	31.5	15.5	0.0	25.5	10.5	0.0	19.5	7.0	0.0	15.0	4.0
16	0.0	31.0	16.0	0.0	25.0	10.0	0.0	19.0	6.5	2.0	17.0	8.0
17	0.0	32.5	17.0	0.0	45.5	9.5	0.0	19.0	7.0	2.8	17.5	5.5
18	0.0	31.0	18.5	0.0	25.0	9.5	0.0	18.5	6.5	0.8	17.0	5.5
19	0.0	29.0	16.5	0.0	26.0	10.0	0.0	18.0	6.0	0.0	16.5	6.0
20	0.0	29.5	16.5	0.0	26.5	10.0	0.0	18.0	5.5	0.0	17.5	5.5
21	0.0	30.5	16.0	0.0	26.5	10.0	0.0	18.5	5.5	0.0	17.5	5.5
22	0.0	30.0	15.0	0.0	27.0	10.0	0.0	18.5	5.5	0.8	17.0	6.0
23	0.0	29.5	15.0	0.0	27.5	9.5	0.0	18.0	5.5	0.0	17.5	6.0
24	0.0	30.0	14.5	0.0	27.0	9.0	0.0	18.5	6.0	0.0	18.5	6.5
25	0.0	31.0	15.0	0.0	27.5	9.0	9.2	18.5	6.5	0.0	18.5	7.0
26	0.0	30.0	14.5	0.0	26.5	9.0	0.0	17.0	5.5	1.0	18.0	6.5
27	0.0	31.0	14.0	0.0	26.0	9.0	0.0	17.5	5.5	13.8	17.0	5.5
28	0.0	31.0	14.5	0.0	25.0	8.5	0.0	16.5	5.0	2.6	15.5	5.0
29	0.0	30.0	14.0	0.0	26.5	9.0	0.0	17.0	6.0	0.0	15.0	5.0
30	0.0	29.5	14.0	0.0	25.0	8.5	0.0	17.5	6.0	0.0	15.5	5.5
31	0.0	30.5	14.5				0.0	18.0	6.5	1.0	18.5	7.0
Min	0.0	29.0	14.0	0.0	25.0	8.5	0.0	16.5	5.0	0.0	12.5	4.0
Max	25.0	33.5	20.0	0.0	45.5	20.5	9.2	25.5	9.5	13.8	18.5	8.0
Monthly Total	47.2			0.0			9.2			52.2		
Monthly Average	1.5	33.0	20.0	0.0	27.9	12.1	0.3	20.4	7.1	1.7	16.2	5.7

Daily Observed Meteorological Data												
Name of Site : Uttarkashi					Measuring Authority : HGDDDN					Code : GG100K4		
Name of River : Bhagirathi										Year : 2016-2017		
Month	Feb-17			Mar-17			Apr-17			May-17		
Date	Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1	0.0	16.5	6.5	0.0	22.0	13.0	0.0	31.5	19.0	7.6	26.5	14.0
2	0.0	17.0	7.0	10.4	18.5	10.0	0.0	32.0	18.0	1.8	31.0	14.0
3	0.0	18.5	8.5	0.0	19.0	10.0	0.0	31.5	18.0	0.0	31.5	16.0
4	0.0	19.0	9.5	0.0	19.5	11.0	0.0	32.5	19.0	0.0	29.5	18.0
5	1.8	20.5	9.5	0.0	18.5	9.0	8.2	30.5	17.0	0.0	30.0	16.5
6	5.2	20.5	10.0	0.0	19.0	9.0	40.0	28.0	17.0	0.0	34.0	18.0
7	0.0	17.5	8.0	0.0	23.5	12.0	6.6	23.0	15.0	0.0	31.5	18.5
8	0.0	18.5	8.5	13.4	21.0	11.0	0.0	23.0	17.0	0.0	35.0	20.0
9	0.0	16.5	8.0	28.6	14.5	9.0	0.0	21.5	14.0	13.4	31.5	17.0
10	0.0	14.5	6.0	1.0	14.0	10.0	0.0	21.0	14.0	0.0	32.5	18.0
11	0.0	18.5	7.0	14.2	13.5	8.5	0.0	23.5	14.0	34.6	33.0	17.0
12	0.0	19.0	7.5	4.0	12.5	8.0	0.0	30.0	15.5	1.0	33.0	18.0
13	0.0	19.5	8.0	0.0	15.0	7.5	0.0	30.5	16.0	31.2	31.5	16.0
14	0.0	20.0	8.0	0.0	17.5	7.5	0.0	31.5	17.5	0.0	33.5	18.5
15	0.0	20.0	8.5	0.0	18.5	8.0	4.2	31.0	15.5	1.6	33.5	18.0
16	0.0	21.0	9.5	0.0	21.5	11.0	0.0	33.0	17.5	0.0	34.5	18.5
17	0.0	21.0	10.0	8.2	21.0	10.5	0.0	34.0	17.0	1.0	29.0	16.5
18	0.0	23.5	14.0	9.0	15.0	8.5	0.0	34.5	20.0	2.2	32.0	16.0
19	0.0	24.0	14.0	0.0	21.5	10.0	0.0	32.5	21.5	25.4	31.5	16.0
20	0.6	23.0	13.5	0.6	21.5	10.5	0.0	33.5	20.5	1.2	31.5	17.0
21	4.6	21.5	12.5	0.0	23.5	12.0	0.0	34.5	22.0	0.0	31.0	17.5
22	5.6	17.5	9.0	0.0	24.0	14.5	1.2	34.5	22.5	2.2	30.5	17.5
23	0.0	18.0	9.0	0.0	29.0	15.5	0.0	33.5	20.5	2.8	31.0	18.0
24	0.0	18.5	9.0	0.0	29.5	16.0	0.0	34.5	21.0	3.2	31.5	18.5
25	0.0	21.5	10.0	0.0	28.0	15.5	0.0	30.0	20.5	0.0	31.0	17.5
26	0.0	22.0	10.5	0.0	29.0	16.0	0.0	30.0	20.5	0.8	30.5	18.0
27	0.0	22.5	10.0	0.0	30.0	17.0	0.0	28.5	20.0	62.2	29.5	16.0
28	0.0	22.0	11.0	0.0	30.0	17.5	0.0	28.5	18.0	8.8	30.5	18.0
29				0.0	31.5	18.0	0.0	30.0	20.5	1.2	30.0	18.0
30				0.0	32.0	18.5	0.0	30.0	20.0	0.2	29.0	16.0
31				0.0	315.0	18.5				10.4	30.0	17.5
Min	0.0	14.5	6.0	0.0	12.5	7.5	0.0	21.0	14.0	0.0	26.5	14.0
Max	5.6	24.0	14.0	28.6	315.0	18.5	40.0	34.5	22.5	62.2	35.0	20.0
Monthly Total	17.8			89.4			60.2			212.8		
Monthly Average	0.6	19.7	9.4	2.9	31.2	12.0	2.0	30.1	18.3	6.9	31.3	17.2

Daily Observed Meteorological Data												
Name of Site : Koteswar					Measuring Authority : HGDDDN					Code : GG100E2		
Name of River : Bhagirathi										Year : 2016-2017		
Month	Jun-16			Jul-16			Aug-16			Sep-16		
Date	Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1	0.0	33.500	26.000	3.4	26.500	25.000	0.0	28.000	25.000	8.0	N/A	N/A
2	0.0	34.000	26.500	13.6	27.500	25.000	13.8	28.000	25.000	0.0	N/A	N/A
3	0.0	34.000	26.500	34.4	27.500	25.000	0.0	28.000	25.000	0.0	N/A	N/A
4	0.0	34.500	26.500	0.0	28.000	25.000	0.2	28.000	25.000	0.0	N/A	N/A
5	0.0	34.500	26.500	7.2	28.000	25.000	0.0	28.000	25.000	0.0	N/A	N/A
6	2.4	34.500	26.500	0.0	28.000	25.000	31.0	28.000	25.000	0.0	N/A	N/A
7	0.0	34.500	26.500	0.0	28.000	25.000	0.0	28.000	25.000	0.0	N/A	N/A
8	1.4	34.000	26.000	0.0	28.000	25.000	0.6	28.000	25.000	0.0	N/A	N/A
9	0.0	34.000	26.000	0.0	28.000	25.000	52.0	28.000	25.000	0.0	N/A	N/A
10	0.0	34.000	26.000	0.0	28.000	25.000	45.6	28.000	25.000	0.0	N/A	N/A
11	1.8	30.000	26.000	0.0	28.000	25.000	1.8	28.000	25.000	0.0	N/A	N/A
12	0.0	30.000	26.000	0.0	29.000	25.500	11.0	28.000	25.000	0.0	N/A	N/A
13	0.0	30.000	26.000	3.6	29.000	25.500	3.4	28.000	25.000	0.8	N/A	N/A
14	11.4	29.500	26.000	0.2	28.000	25.000	0.0	N/A	N/A	0.6	N/A	N/A
15	11.2	29.000	26.500	1.8	28.500	25.500	2.6	N/A	N/A	0.0	N/A	N/A
16	54.6	27.000	25.000	6.6	28.500	25.500	2.6	N/A	N/A	0.0	N/A	N/A
17	0.0	28.000	25.500	50.6	28.500	25.500	6.2	N/A	N/A	0.0	N/A	N/A
18	0.0	28.000	25.500	69.4	28.500	25.500	7.4	N/A	N/A	0.0	N/A	N/A
19	0.0	28.000	25.500	11.6	28.000	25.500	0.6	N/A	N/A	0.0	N/A	N/A
20	0.0	28.000	25.500	0.0	28.500	25.000	0.0	N/A	N/A	0.0	N/A	N/A
21	0.0	27.000	25.500	0.0	28.500	25.500	7.4	N/A	N/A	0.0	N/A	N/A
22	0.0	27.500	25.000	34.6	28.000	25.000	0.0	N/A	N/A	1.8	N/A	N/A
23	0.0	27.000	25.000	95.6	28.000	25.000	11.0	N/A	N/A	0.0	N/A	N/A
24	0.0	27.000	25.000	17.6	28.000	25.000	0.0	N/A	N/A	0.0	N/A	N/A
25	0.0	27.000	25.000	0.0	28.000	25.000	0.0	N/A	N/A	0.0	N/A	N/A
26	0.0	27.000	25.000	4.2	28.000	25.000	0.0	N/A	N/A	0.0	N/A	N/A
27	0.0	27.000	25.000	11.2	28.000	25.000	20.4	N/A	N/A	0.0	N/A	N/A
28	0.0	27.000	25.000	1.4	28.000	25.000	0.0	N/A	N/A	0.0	N/A	N/A
29	0.0	27.500	26.000	0.0	28.000	25.000	0.0	N/A	N/A	0.0	N/A	N/A
30	37.0	27.000	25.000	14.8	28.000	25.000	4.0	N/A	N/A	0.0	N/A	N/A
31				8.6	28.000	25.000	0.4	N/A	N/A			
Min	0.0	27.0	25.0	0.0	26.5	25.0	0.0	28.0	25.0	0.0		
Max	54.6	34.5	26.5	95.6	29.0	25.5	52.0	28.0	25.0	8.0		
Monthly Total	119.8			390.4			222.0			11.2		
Monthly Average	4.0	30.0	25.7	12.6	28.1	25.1	7.2	28.0	25.0	0.4		

Daily Observed Meteorological Data												
Name of Site : Koteswar					Measuring Authority : HGDDDN					Code : GG100E2		
Name of River : Bhagirathi										Year : 2016-2017		
Month	Oct-16			Nov-16			Dec-16			Jan-17		
Date	Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A
2	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	7.4	N/A	N/A
3	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A
4	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A
5	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A
6	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A
7	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A
8	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	24.6	N/A	N/A
9	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	31.2	N/A	N/A
10	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A
11	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A
12	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A
13	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A
14	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A
15	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A
16	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A
17	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	0.2	N/A	N/A
18	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	3.6	N/A	N/A
19	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A
20	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A
21	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A
22	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A
23	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A
24	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A
25	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A
26	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A
27	0.0	N/A	N/A	0.0	N/A	N/A	10.8	N/A	N/A	0.4	N/A	N/A
28	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	12.8	N/A	N/A
29	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	0.4	N/A	N/A
30	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A
31	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A
Min	0.0			0.0			0.0			0.0		
Max	0.0			0.0			10.8			31.2		
Monthly Total	0.0			0.0			10.8			80.6		
Monthly Average	0.0			0.0			0.3			2.6		

Daily Observed Meteorological Data												
Name of Site : Koteswar						Measuring Authority : HGDDDN				Code : GG100E2		
Name of River : Bhagirathi						Year : 2016-2017						
Month	Feb-17			Mar-17			Apr-17			May-17		
Date	Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1	0.0	N/A	N/A	1.6	N/A	N/A	0.0	N/A	N/A	1.8	N/A	N/A
2	0.0	N/A	N/A	3.2	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A
3	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A
4	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A
5	2.6	N/A	N/A	0.0	N/A	N/A	6.2	N/A	N/A	0.0	N/A	N/A
6	12.0	N/A	N/A	0.0	N/A	N/A	38.4	N/A	N/A	0.0	N/A	N/A
7	0.0	N/A	N/A	0.0	N/A	N/A	5.2	N/A	N/A	0.0	N/A	N/A
8	0.0	N/A	N/A	1.2	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A
9	0.0	N/A	N/A	12.2	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A
10	0.0	N/A	N/A	1.6	N/A	N/A	0.0	N/A	N/A	5.2	N/A	N/A
11	0.0	N/A	N/A	23.4	N/A	N/A	0.0	N/A	N/A	0.4	N/A	N/A
12	0.0	N/A	N/A	2.4	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A
13	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	6.2	N/A	N/A
14	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A
15	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A
16	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A
17	0.0	N/A	N/A	0.4	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A
18	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	24.2	N/A	N/A
19	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A
20	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	12.6	N/A	N/A
21	5.4	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A
22	27.4	N/A	N/A	0.0	N/A	N/A	2.2	N/A	N/A	2.4	N/A	N/A
23	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A
24	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	34.4	N/A	N/A
25	0.0	N/A	N/A	0.0	N/A	N/A	1.0	N/A	N/A	0.0	N/A	N/A
26	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	20.0	N/A	N/A
27	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	20.2	N/A	N/A
28	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A	0.0	N/A	N/A
29				0.0	N/A	N/A	0.0	N/A	N/A	8.6	N/A	N/A
30				0.0	N/A	N/A	8.2	N/A	N/A	0.0	N/A	N/A
31				0.0	N/A	N/A				2.0	N/A	N/A
Min	0.0			0.0			0.0			0.0		
Max	27.4			23.4			38.4			34.4		
Monthly Total	47.4			46.0			61.2			138.0		
Monthly Average	1.7			1.5			2.0			4.5		

Daily Observed Meteorological Data												
Name of Site : Deoprayag						Measuring Authority : HGDDDN				Code : GG000A1		
Name of River : Bhagirathi						Year : 2016-2017						
Month	Jun-16			Jul-16			Aug-16			Sep-16		
Date	Rainfall	Atmospheric		Rainfall	Atmospheric		Rainfall	Atmospheric		Rainfall	Atmospheric	
	(mm)	Temperature (°c)		(mm)	Temperature (°c)		(mm)	Temperature (°c)		(mm)	Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1	0.0	36.5	29.0	22.9	36.0	25.0	5.4	32.5	24.5	9.8	32.0	23.0
2	0.0	37.0	30.0	4.4	32.5	26.0	14.7	32.0	25.0	0.0	32.5	24.0
3	0.0	36.0	29.0	55.2	30.0	24.0	20.0	33.5	24.0	0.0	33.5	25.0
4	0.0	37.5	31.0	4.0	31.5	27.0	0.0	33.0	25.5	0.0	34.5	25.0
5	0.0	38.0	31.5	0.0	36.0	26.0	0.0	36.5	26.5	0.0	34.0	25.0
6	1.0	35.0	26.0	0.0	35.0	26.5	22.2	36.0	26.0	0.0	34.0	26.5
7	0.0	35.0	25.0	0.0	33.5	27.5	1.8	33.5	26.0	0.0	34.0	26.0
8	0.0	35.0	26.5	2.5	33.5	27.0	0.0	34.5	26.0	0.0	34.5	26.5
9	0.0	35.0	26.5	0.0	33.0	27.5	61.5	34.5	25.0	0.0	34.0	26.0
10	0.0	37.0	27.0	0.0	35.5	27.0	11.8	34.5	26.0	0.0	35.0	25.5
11	2.0	37.0	27.5	0.0	36.0	27.0	2.0	31.0	21.0	21.2	34.0	25.0
12	0.0	38.0	27.5	0.0	37.0	28.0	17.0	31.0	22.0	6.0	36.0	25.0
13	16.5	39.5	28.0	0.0	37.0	28.0	0.0	35.0	26.0	25.4	37.0	24.0
14	11.4	38.5	25.0	0.0	37.0	27.0	0.0	34.5	25.5	3.8	32.0	23.0
15	25.4	36.0	25.0	0.0	34.0	27.0	0.0	34.5	26.0	0.0	31.0	23.5
16	28.3	32.0	24.0	11.2	34.0	26.0	15.0	34.0	25.5	0.0	32.0	24.0
17	3.6	33.0	24.0	30.5	32.0	24.0	13.4	33.0	24.0	0.0	34.0	24.5
18	0.0	35.5	29.0	53.2	33.0	24.0	8.2	31.0	24.0	0.0	35.0	25.0
19	0.0	37.0	28.0	5.8	34.0	24.0	2.0	32.0	26.0	0.0	34.0	24.5
20	0.0	38.5	28.5	0.0	36.0	26.0	0.0	34.0	26.0	0.0	34.0	25.0
21	0.0	37.0	27.0	3.0	36.0	27.0	10.4	34.5	25.5	0.0	34.5	25.5
22	0.0	36.0	27.0	6.8	32.0	26.0	0.0	34.0	26.5	1.4	33.0	24.0
23	12.1	36.5	26.0	136.0	32.0	26.0	32.0	33.0	24.5	0.0	36.0	23.0
24	0.0	36.0	27.0	6.6	37.5	26.0	0.0	32.0	24.0	0.0	32.5	22.5
25	0.0	37.0	29.0	0.0	37.0	26.5	0.0	34.0	25.5	0.0	31.0	22.0
26	0.0	37.0	27.5	0.0	36.0	25.5	0.0	34.5	27.5	0.0	30.5	22.0
27	0.0	37.5	29.0	6.0	32.0	23.5	7.4	34.5	25.0	0.0	31.0	22.5
28	0.0	39.0	30.0	10.2	33.0	25.0	0.0	34.0	24.0	0.0	31.5	22.5
29	0.0	38.0	30.0	3.0	33.0	25.0	0.0	35.0	25.5	0.0	32.0	23.0
30	16.5	37.0	28.0	15.5	32.5	25.0	14.6	32.0	23.5	0.0	31.5	23.0
31				10.1	30.0	24.5	5.6	32.5	24.0			
Min	0.0	32.0	24.0	0.0	30.0	23.5	0.0	31.0	21.0	0.0	30.5	22.0
Max	28.3	39.5	31.5	136.0	37.5	28.0	61.5	36.5	27.5	25.4	37.0	26.5
Monthly Total	116.8			386.9			265.0			67.6		
Monthly Average	3.9	36.6	27.6	12.5	34.1	26.0	8.5	33.6	25.0	2.3	33.4	24.2

Daily Observed Meteorological Data												
Name of Site : Deoprayag						Measuring Authority : HGDDDN				Code : GG000A1		
Name of River : Bhagirathi						Year : 2016-2017						
Month	Oct-16			Nov-16			Dec-16			Jan-17		
Date	Rainfall	Atmospheric		Rainfall	Atmospheric		Rainfall	Atmospheric		Rainfall	Atmospheric	
	(mm)	Temperature (°c)		(mm)	Temperature (°c)		(mm)	Temperature (°c)		(mm)	Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1	0.0	32.5	23.0	0.0	26.0	14.0	0.0	19.0	11.0	0.0	19.0	10.0
2	0.0	32.0	22.0	0.0	25.0	14.0	0.0	21.0	11.0	6.4	19.0	10.0
3	0.0	32.5	24.0	0.0	24.5	14.0	0.0	19.0	12.0	0.0	18.0	9.0
4	0.0	31.0	23.0	0.0	25.0	14.0	0.0	20.0	10.0	0.0	17.5	8.0
5	0.0	31.5	23.0	0.0	25.0	13.0	0.0	20.0	10.5	0.0	17.0	9.0
6	0.0	31.5	23.5	0.0	24.5	13.0	0.0	20.0	11.0	0.0	18.0	9.0
7	0.0	32.0	23.5	0.0	24.0	13.0	0.0	19.5	12.0	19.6	17.5	10.0
8	0.0	32.0	22.0	0.0	25.0	12.0	0.0	19.5	11.5	23.9	15.0	9.5
9	0.0	31.5	21.0	0.0	24.0	13.0	0.0	19.0	11.5	0.0	15.0	9.0
10	0.0	31.0	20.5	0.0	26.0	15.0	0.0	19.0	11.0	0.0	15.0	9.0
11	0.0	30.5	20.0	0.0	25.0	15.0	0.0	20.0	10.5	0.0	16.0	8.0
12	0.0	30.0	19.5	0.0	24.0	12.0	0.0	21.5	10.0	0.0	9.5	8.0
13	0.0	30.0	19.0	0.0	21.0	11.0	0.0	22.0	9.0	0.0	9.0	8.0
14	0.0	29.5	19.0	0.0	24.0	12.0	0.0	20.0	12.0	0.0	10.0	8.5
15	0.0	30.0	19.0	0.0	23.0	11.0	0.0	20.5	12.5	0.0	14.0	9.5
16	0.0	30.0	19.0	0.0	21.0	11.0	0.0	23.0	13.0	1.4	18.0	8.0
17	0.0	29.0	19.0	0.0	20.5	9.0	0.0	22.5	12.5	1.8	16.0	9.0
18	0.0	29.5	21.0	0.0	20.0	10.0	0.0	21.5	11.0	0.0	16.0	10.0
19	0.0	29.0	18.0	0.0	20.0	9.5	0.0	21.0	10.0	0.0	17.0	10.0
20	0.0	26.0	17.0	0.0	20.5	10.0	0.0	23.0	12.5	0.0	18.0	9.5
21	0.0	27.0	17.0	0.0	21.0	11.0	0.0	18.0	8.0	0.0	18.0	9.5
22	0.0	27.0	17.0	0.0	21.0	12.0	0.0	17.0	8.0	0.0	19.0	9.0
23	0.0	27.0	16.0	0.0	22.0	11.0	0.0	19.5	9.0	0.0	20.0	9.5
24	0.0	27.0	16.0	0.0	22.0	11.0	0.0	17.5	8.0	0.0	20.0	10.0
25	0.0	26.5	15.5	0.0	21.0	11.0	0.0	19.0	9.0	0.0	19.0	11.0
26	0.0	26.0	15.0	0.0	21.0	11.0	3.8	19.0	9.0	0.0	19.0	10.0
27	0.0	26.0	15.0	0.0	21.0	11.0	0.0	18.5	8.5	13.0	19.0	9.0
28	0.0	25.5	14.5	0.0	19.5	11.0	0.0	19.0	9.0	0.0	19.0	11.0
29	0.0	25.0	14.0	0.0	21.0	12.0	0.0	19.0	10.0	0.0	20.0	11.0
30	0.0	25.0	14.0	0.0	20.5	11.5	0.0	18.0	11.0	0.0	20.0	11.0
31	0.0	25.0	14.0	0			0.0	18.0	10.0	0.0	21.0	13.0
Min	0.0	25.0	14.0	0.0	19.5	9.0	0.0	17.0	8.0	0.0	9.0	8.0
Max	0.0	32.5	24.0	0.0	26.0	15.0	3.8	23.0	13.0	23.9	21.0	13.0
Monthly Total	0.0			0.0			3.8			66.1		
Monthly Average	0.0	29.0	18.8	0.0	22.6	11.9	0.1	19.8	10.5	2.1	17.0	9.5

Daily Observed Meteorological Data												
Name of Site : Deoprayag						Measuring Authority : HGDDDN				Code : GG000A1		
Name of River : Bhagirathi						Year : 2016-2017						
Month	Feb-17			Mar-17			Apr-17			May-17		
Date	Rainfall	Atmospheric		Rainfall	Atmospheric		Rainfall	Atmospheric		Rainfall	Atmospheric	
	(mm)	Temperature (°c)		(mm)	Temperature (°c)		(mm)	Temperature (°c)		(mm)	Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1	0.0	22.0	12.0	4.6	26.0	14.0	0.0	34.0	22.0	5.4	24.0	17.0
2	0.0	22.5	12.0	0.0	27.0	15.0	0.0	35.0	21.5	0.0	32.0	18.0
3	0.0	23.0	12.0	0.0	25.5	14.0	0.0	35.0	22.0	0.0	34.0	19.0
4	0.0	23.0	12.0	0.0	24.0	13.0	0.0	35.0	22.0	0.0	31.0	20.0
5	0.0	22.0	11.5	0.0	26.0	16.0	4.3	34.0	20.0	0.0	32.0	20.0
6	2.5	21.0	11.5	0.0	27.0	18.0	20.4	20.5	18.0	0.0	35.0	21.0
7	0.0	20.5	13.0	0.0	26.0	14.0	11.0	26.0	19.0	0.0	36.0	21.0
8	0.0	21.0	12.5	0.0	27.0	15.0	0.0	28.0	19.0	0.0	38.0	24.0
9	0.0	22.0	12.0	8.9	24.0	13.0	0.0	31.0	19.0	3.2	38.0	21.0
10	0.0	21.0	11.0	3.0	24.0	13.0	0.0	30.0	19.0	1.2	36.0	21.0
11	0.0	21.0	10.0	29.2	20.0	11.0	0.0	31.0	17.0	0.2	36.0	21.0
12	0.0	22.0	10.5	5.3	18.0	10.0	0.0	33.0	19.0	2.8	34.0	22.0
13	0.0	23.0	11.0	0.0	19.0	11.0	0.0	30.0	20.0	5.0	34.0	20.0
14	0.0	21.5	11.0	0.0	23.0	10.0	0.0	32.0	21.0	1.6	35.0	21.0
15	0.0	20.5	10.0	0.0	23.5	14.0	0.0	33.0	22.0	0.6	33.0	21.0
16	0.0	22.0	11.0	0.0	25.0	14.0	0.0	34.0	21.5	2.4	33.0	21.0
17	0.0	23.0	12.0	0.0	24.0	14.0	0.0	36.0	22.0	0.4	37.0	22.0
18	0.0	21.0	12.0	0.0	25.0	14.0	0.0	36.0	24.0	4.6	32.0	22.0
19	0.0	24.0	13.0	0.0	26.0	14.5	0.0	37.0	25.0	7.8	33.0	20.0
20	0.0	26.0	14.0	0.0	27.0	15.0	0.0	37.0	25.0	1.8	34.0	22.0
21	0.0	25.0	15.5	0.0	27.0	15.5	0.0	38.0	26.5	0.0	34.0	23.0
22	0.0	23.0	14.5	0.0	29.0	16.0	2.8	38.0	24.0	0.4	37.0	23.0
23	0.0	25.0	15.0	0.0	30.5	17.0	0.0	37.0	26.0	7.4	32.0	22.0
24	0.0	25.0	15.0	0.0	32.0	19.0	0.0	38.0	27.0	0.0	32.0	22.0
25	0.0	25.0	14.0	0.0	32.0	19.0	0.0	38.5	27.0	0.0	32.0	23.0
26	0.0	25.0	14.0	0.0	32.5	18.0	0.0	38.0	27.0	3.0	35.0	21.0
27	0.0	26.0	13.0	0.0	32.0	22.0	0.0	37.0	25.0	15.4	36.0	21.0
28	0.0	26.5	12.5	0.0	32.0	20.0	0.0	33.0	20.0	17.6	31.0	21.0
29				0.0	32.5	21.0	0.0	33.0	22.0	4.4	33.0	21.0
30				0.0	33.0	21.0	8.6	30.0	18.0	1.6	27.0	21.0
31				0.0	34.0	21.0				8.8	30.0	22.0
Min	0.0	20.5	10.0	0.0	18.0	10.0	0.0	20.5	17.0	0.0	24.0	17.0
Max	2.5	26.5	15.5	29.2	34.0	22.0	20.4	38.5	27.0	17.6	38.0	24.0
Monthly Total	2.5			51.0	26.0	14.0	47.1			95.6		
Monthly Average	0.1	22.9	12.4	1.6	27.0	15.0	1.6	33.6	22.0	3.1	33.4	21.1

Daily Observed Meteorological Data												
Name of Site : Marora						Measuring Authority : HGDDDN				Code : GGZ00D3		
Name of River : Nayar										Year : 2016-2017		
Month	Jun-16			Jul-16			Aug-16			Sep-16		
Date	Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1	0.0	35.0	26.0	16.4	36.0	29.0	20.4	30.5	26.0	36.4	29.0	25.0
2	0.0	35.0	27.0	10.0	30.0	27.0	0.8	29.5	26.0	0.0	29.0	25.0
3	0.0	36.0	29.0	32.4	30.0	26.0	5.2	30.0	25.0	0.0	30.0	25.5
4	0.0	37.0	29.0	5.8	31.0	26.0	0.0	34.0	25.0	0.0	31.0	25.5
5	0.0	38.0	30.5	1.0	30.0	26.0	0.0	34.0	25.0	0.0	32.0	25.0
6	16.0	37.0	28.5	0.0	28.0	26.0	22.4	32.0	27.0	0.0	31.5	25.0
7	1.2	36.0	25.0	0.0	33.0	28.0	0.0	31.0	26.0	0.0	32.0	26.0
8	1.4	35.0	29.0	0.0	34.0	29.0	0.0	31.0	26.0	0.0	33.0	26.0
9	0.0	35.0	25.0	0.0	33.0	29.0	28.8	32.0	27.0	0.0	29.5	27.0
10	32.0	35.0	25.5	0.0	35.0	29.0	3.8	32.0	26.0	0.0	31.0	27.0
11	0.0	36.0	26.5	6.2	34.5	29.0	6.8	28.0	25.5	0.0	32.0	26.0
12	0.0	36.5	27.0	0.0	33.0	28.0	17.0	30.0	26.0	0.2	33.0	26.0
13	0.0	36.5	29.0	0.8	33.0	28.0	0.0	32.0	25.0	54.2	30.0	24.0
14	24.0	31.0	26.0	0.0	33.0	28.0	0.0	29.0	26.0	0.0	30.0	25.0
15	4.8	34.0	27.0	0.4	32.0	27.0	8.6	32.0	26.0	0.0	29.0	25.0
16	28.0	30.0	26.0	43.0	31.5	27.0	1.2	32.0	27.0	0.0	30.0	25.0
17	3.4	30.0	26.0	22.6	31.0	27.0	15.6	31.0	25.0	0.0	31.0	25.0
18	0.0	35.0	27.0	82.0	27.0	25.0	5.4	27.0	25.0	0.0	31.0	25.0
19	0.0	32.0	29.0	1.4	30.0	25.0	1.0	31.0	25.0	0.0	31.0	25.0
20	0.0	32.0	29.0	0.0	33.0	28.0	0.0	34.0	27.0	0.0	31.5	25.0
21	0.0	34.0	28.0	0.0	34.0	27.0	1.4	34.0	26.0	0.0	32.0	26.0
22	2.2	33.0	29.0	33.0	32.0	27.0	0.0	31.0	26.0	1.6	31.0	26.0
23	0.0	35.0	29.0	95.2	28.0	25.0	17.6	34.0	25.5	0.0	29.0	23.5
24	0.0	35.0	29.0	8.6	28.0	25.0	0.0	31.0	26.0	0.0	31.0	23.0
25	0.0	36.0	30.0	0.0	33.0	26.0	0.0	28.0	26.0	0.0	30.5	23.0
26	0.0	36.5	30.5	0.0	34.0	28.0	0.0	35.0	27.0	0.0	30.0	25.0
27	0.0	36.0	31.0	0.0	31.0	27.0	0.0	33.0	26.5	0.0	31.0	24.0
28	0.0	36.0	31.0	3.0	30.0	27.0	0.0	33.0	26.5	0.0	31.0	24.0
29	0.0	35.0	30.0	2.6	30.0	26.0	0.0	35.0	26.0	0.0	31.0	26.0
30	0.0	36.0	31.0	13.8	31.0	26.0	5.8	31.0	25.0	0.0	31.0	25.0
31				5.4	29.0	27.0	6.8	31.0	26.0			
Min	0.0	30.0	25.0	0.0	27.0	25.0	0.0	27.0	25.0	0.0	29.0	23.0
Max	32.0	38.0	31.0	95.2	36.0	29.0	28.8	35.0	27.0	54.2	33.0	27.0
Monthly Total	113.0			383.6			168.6			92.4		
Monthly Average	3.8	34.8	28.2	12.4	31.5	27.0	5.4	31.5	25.9	3.1	30.8	25.1

Daily Observed Meteorological Data												
Name of Site : Marora						Measuring Authority : HGDDDN				Code : GGZ00D3		
Name of River : Nayar						Year : 2016-2017						
Month	Oct-16			Nov-16			Dec-16			Jan-17		
Date	Rainfall	Atmospheric		Rainfall	Atmospheric		Rainfall	Atmospheric		Rainfall	Atmospheric	
	(mm)	Temperature (°c)		(mm)	Temperature (°c)		(mm)	Temperature (°c)		(mm)	Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1	0.0	31.0	24.0	0.0	22.5	15.5	0.0	18.0	9.0	0.0	16.0	8.0
2	0.0	31.0	24.0	0.0	22.0	15.0	0.0	17.0	10.0	8.4	15.5	6.5
3	0.0	32.0	25.0	0.0	22.0	14.0	0.0	17.0	10.0	0.0	15.0	8.0
4	0.0	30.0	26.0	0.0	21.0	14.0	0.0	17.0	10.0	0.0	14.0	6.0
5	0.0	31.0	26.0	0.0	22.0	14.0	0.0	17.0	10.0	0.0	15.0	5.0
6	0.0	29.0	24.0	0.0	22.0	14.0	0.0	17.0	10.0	0.0	14.0	4.0
7	0.0	30.0	24.0	0.0	22.0	14.0	0.0	17.0	10.0	34.6	14.0	6.5
8	0.0	29.5	24.5	0.0	20.0	11.0	0.0	17.0	9.0	28.4	11.0	8.0
9	0.0	29.0	24.0	0.0	20.0	12.0	0.0	17.0	10.0	0.0	12.0	6.5
10	0.0	29.0	24.0	0.0	20.0	12.0	0.0	17.0	9.0	0.0	12.0	5.0
11	0.0	29.0	24.0	0.0	21.0	12.5	0.0	17.0	8.0	0.0	14.0	3.0
12	0.0	29.0	24.0	0.0	21.5	12.0	0.0	17.0	8.0	0.0	13.5	3.0
13	0.0	29.0	24.0	0.0	21.0	12.0	0.0	17.0	8.0	0.0	13.0	3.0
14	0.0	27.0	20.0	0.0	20.5	12.0	0.0	16.5	8.0	0.0	12.0	3.0
15	0.0	27.0	21.0	0.0	19.0	11.0	0.0	16.5	7.0	0.0	13.0	3.0
16	0.0	28.0	21.0	0.0	19.0	10.0	0.0	16.5	7.0	1.0	15.0	7.5
17	0.0	27.0	21.0	0.0	18.0	10.0	0.0	16.0	7.0	0.2	15.0	6.0
18	0.0	27.0	21.0	0.0	17.5	10.0	0.0	16.0	6.5	0.0	15.0	6.0
19	0.0	27.0	20.0	0.0	20.0	11.0	0.0	16.0	6.5	0.0	14.0	6.5
20	0.0	26.0	19.0	0.0	20.0	12.0	0.0	12.0	3.5	0.0	14.0	4.0
21	0.0	25.5	18.5	0.0	19.0	11.0	0.0	14.0	6.0	0.0	16.0	4.0
22	0.0	25.0	18.0	0.0	18.0	10.0	0.0	13.0	6.0	0.0	16.0	6.0
23	0.0	25.0	18.0	0.0	18.0	9.0	0.0	16.0	6.0	0.0	17.0	6.0
24	0.0	25.0	18.0	0.0	18.0	10.0	0.0	14.0	7.0	0.0	18.0	6.0
25	0.0	25.0	18.0	0.0	17.5	10.0	0.0	16.0	12.0	0.0	15.0	7.0
26	0.0	25.0	18.0	0.0	17.0	9.0	22.6	16.5	10.0	0.0	18.0	4.0
27	0.0	24.0	17.0	0.0	17.0	9.0	0.0	14.0	6.5	23.4	17.0	12.0
28	0.0	23.0	16.0	0.0	17.0	9.5	0.0	15.0	7.0	0.0	16.0	9.0
29	0.0	22.5	15.5	0.0	19.0	10.0	0.0	15.5	8.0	0.0	17.0	9.0
30	0.0	22.5	15.5	0.0	20.0	10.0	0.0	16.0	9.0	0.0	17.0	11.0
31	0.0	22.5	15.5				0.0	15.0	7.0	0.0	19.0	12.0
Min	0.0	22.5	15.5	0.0	17.0	9.0	0.0	12.0	3.5	0.0	11.0	3.0
Max	0.0	32.0	26.0	0.0	22.5	15.5	22.6	18.0	12.0	34.6	19.0	12.0
Monthly Total	0.0			0.0			22.6			96.0		
Monthly Average	0.0	27.2	20.9	0.0	19.7	11.5	0.7	16.0	8.1	3.1	14.9	6.3

Daily Observed Meteorological Data												
Name of Site : Marora						Measuring Authority : HGDDDN				Code : GGZ00D3		
Name of River : Nayar						Year : 2016-2017						
Month	Feb-17			Mar-17			Apr-17			May-17		
Date	Rainfall	Atmospheric		Rainfall	Atmospheric		Rainfall	Atmospheric		Rainfall	Atmospheric	
	(mm)	Temperature (°c)		(mm)	Temperature (°c)		(mm)	Temperature (°c)		(mm)	Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1	0.0	19.5	9.5	2.0	24.0	13.0	0.0	30.5	21.0	0.0	33.0	18.0
2	0.0	19.0	8.0	0.0	22.5	12.0	0.0	31.0	22.0	0.0	33.0	16.0
3	0.0	19.5	10.5	0.0	21.0	11.0	0.0	33.0	24.0	0.0	34.0	16.0
4	0.0	20.0	10.0	0.0	23.0	12.0	0.0	33.0	24.5	0.0	30.0	22.0
5	0.0	20.0	10.0	0.0	24.0	14.0	4.2	31.5	23.0	0.8	32.0	20.0
6	2.2	19.0	10.0	0.0	22.5	12.5	5.2	29.0	23.0	0.0	34.0	22.0
7	0.0	19.0	10.0	0.0	23.0	13.0	25.2	31.0	23.0	0.0	36.0	24.0
8	0.0	19.0	10.0	0.0	23.0	9.0	5.2	31.0	20.0	0.0	35.0	24.5
9	0.0	19.0	10.0	3.6	16.0	12.0	0.0	30.0	21.0	3.2	35.0	23.5
10	0.0	20.0	10.0	1.6	17.0	13.0	0.0	32.0	20.0	0.0	35.0	22.0
11	0.0	19.0	10.0	31.0	20.0	10.0	0.0	31.5	22.5	0.0	34.0	22.5
12	0.0	19.0	10.0	0.0	20.0	10.0	0.0	32.5	22.5	0.0	25.0	16.0
13	0.0	18.0	9.0	0.0	20.0	10.0	0.0	31.5	22.0	11.2	28.0	20.0
14	0.0	20.0	10.0	0.0	20.0	10.0	0.0	31.5	23.0	0.0	35.0	23.0
15	0.0	21.0	11.0	0.0	19.0	9.0	0.0	31.5	23.0	0.0	36.5	26.0
16	0.0	20.0	10.0	0.0	23.0	8.0	0.0	31.0	24.0	0.0	36.0	26.0
17	0.0	20.0	10.0	0.0	20.0	13.0	0.0	31.0	24.0	0.0	35.0	26.0
18	0.0	21.0	11.0	0.0	22.5	12.0	0.0	35.0	25.0	0.0	34.0	24.0
19	0.0	22.0	12.0	0.0	24.0	13.0	0.0	33.0	22.0	0.0	35.0	23.0
20	0.0	22.0	11.0	0.0	24.0	13.0	0.0	29.5	22.0	18.0	34.0	24.0
21	3.8	23.0	12.5	0.0	25.0	13.0	0.0	31.0	23.0	0.8	33.0	24.0
22	0.0	20.0	12.0	0.0	25.0	13.0	0.2	31.5	23.5	12.8	36.0	25.5
23	0.0	20.0	10.0	0.0	27.0	13.5	0.0	32.0	23.0	0.0	35.0	26.0
24	0.0	20.0	9.5	0.0	27.0	16.0	0.0	31.5	22.5	0.0	34.0	20.0
25	0.0	20.0	10.0	0.0	28.0	14.5	0.0	31.5	22.0	0.0	35.0	22.0
26	0.0	21.0	10.0	0.0	26.0	14.0	0.0	32.0	22.0	4.6	35.0	24.0
27	0.0	22.0	8.0	0.0	28.0	18.0	0.0	33.0	23.0	10.8	29.0	22.0
28	0.0	23.0	8.0	0.0	30.0	16.0	0.0	33.0	22.0	0.0	30.0	22.0
29				0.0	32.0	20.0	0.0	32.0	22.0	14.4	28.0	20.0
30				0.0	32.5	21.0	0.0	32.0	22.5	9.2	26.0	20.5
31				0.0	33.0	20.0				7.4	31.0	23.0
Min	0.0	18.0	8.0	0.0	16.0	8.0	0.0	35.0	25.0	0.0	25.0	16.0
Max	3.8	23.0	12.5	31.0	33.0	21.0	25.2	29.0	20.0	18.0	36.5	26.0
Monthly Total	6.0			38.2			40.0			93.2		
Monthly Average	0.2	20.2	10.1	1.2	23.9	13.2	1.3	31.7	22.6	3.0	33.0	22.2

Daily Observed Meteorological Data												
Name of Site : Deoprayag						Measuring Authority : HGDDDN				Code : GG00029		
Name of River : Ganga										Year : 2016-2017		
Month	Jun-15			Jul-16			Aug-16			Sep-16		
Date	Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1	0.0	36.5	29.0	22.9	36.0	25.0	5.4	32.5	24.5	9.8	32.0	23.0
2	0.0	37.0	30.0	4.4	32.5	26.0	14.7	32.0	25.0	0.0	32.5	24.0
3	0.0	36.0	29.0	55.2	30.0	24.0	20.0	33.5	24.0	0.0	33.5	25.0
4	0.0	37.5	31.0	4.0	31.5	27.0	0.0	33.0	25.5	0.0	34.5	25.0
5	0.0	38.0	31.5	0.0	36.0	26.0	0.0	36.5	26.5	0.0	34.0	25.0
6	1.0	35.0	26.0	0.0	35.0	26.5	22.2	36.0	26.0	0.0	34.0	26.5
7	0.0	35.0	25.0	0.0	33.5	27.5	1.8	33.5	26.0	0.0	34.0	26.0
8	0.0	35.0	26.5	2.5	33.5	27.0	0.0	34.5	26.0	0.0	34.5	26.5
9	0.0	35.0	26.5	0.0	33.0	27.5	61.5	34.5	25.0	0.0	34.0	26.0
10	0.0	37.0	27.0	0.0	35.5	27.0	11.8	34.5	26.0	0.0	35.0	25.5
11	2.0	37.0	27.5	0.0	36.0	27.0	2.0	31.0	21.0	21.2	34.0	25.0
12	0.0	38.0	27.5	0.0	37.0	28.0	17.0	31.0	22.0	6.0	36.0	25.0
13	16.5	39.5	28.0	0.0	37.0	28.0	0.0	35.0	26.0	25.4	37.0	24.0
14	11.4	38.5	25.0	0.0	37.0	27.0	0.0	34.5	25.5	3.8	32.0	23.0
15	25.4	36.0	25.0	0.0	34.0	27.0	0.0	34.5	26.0	0.0	31.0	23.5
16	28.3	32.0	24.0	11.2	34.0	26.0	15.0	34.0	25.5	0.0	32.0	24.0
17	3.6	33.0	24.0	30.5	32.0	24.0	13.4	33.0	24.0	0.0	34.0	24.5
18	0.0	35.5	29.0	53.2	33.0	24.0	8.2	31.0	24.0	0.0	35.0	25.0
19	0.0	37.0	28.0	5.8	34.0	24.0	2.0	32.0	26.0	0.0	34.0	24.5
20	0.0	38.5	28.5	0.0	36.0	26.0	0.0	34.0	26.0	0.0	34.0	25.0
21	0.0	37.0	27.0	3.0	36.0	27.0	10.4	34.5	25.5	0.0	34.5	25.5
22	0.0	36.0	27.0	6.8	32.0	26.0	0.0	34.0	26.5	1.4	33.0	24.0
23	12.1	36.5	26.0	136.0	32.0	26.0	32.0	33.0	24.5	0.0	36.0	23.0
24	0.0	36.0	27.0	6.6	37.5	26.0	0.0	32.0	24.0	0.0	32.5	22.5
25	0.0	37.0	29.0	0.0	37.0	26.5	0.0	34.0	25.5	0.0	31.0	22.0
26	0.0	37.0	27.5	0.0	36.0	25.5	0.0	34.5	27.5	0.0	30.5	22.0
27	0.0	37.5	29.0	6.0	32.0	23.5	7.4	34.5	25.0	0.0	31.0	22.5
28	0.0	39.0	30.0	10.2	33.0	25.0	0.0	34.0	24.0	0.0	31.5	22.5
29	0.0	38.0	30.0	3.0	33.0	25.0	0.0	35.0	25.5	0.0	32.0	23.0
30	16.5	37.0	28.0	15.5	32.5	25.0	14.6	32.0	23.5	0.0	31.5	23.0
31				10.1	30.0	24.5	5.6	32.5	24.0			
Min	0.0	32.0	24.0	0.0	30.0	23.5	0.0	31.0	21.0	0.0	30.5	22.0
Max	28.3	39.5	31.5	136.0	37.5	28.0	61.5	36.5	27.5	25.4	37.0	26.5
Monthly Total	116.8			386.9			265.0			67.6		
Monthly Average	3.9	36.6	27.6	12.5	34.1	26.0	8.5	33.6	25.0	2.3	33.4	24.2

Daily Observed Meteorological Data												
Name of Site : Deoprayag					Measuring Authority : HGDDDN					Code : GG000Z9		
Name of River : Ganga										Year : 2016-2017		
Month	Oct-16			Nov-16			Dec-16			Jan-17		
Date	Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1	0.0	32.5	23.0	0.0	26.0	14.0	0.0	19.0	11.0	0.0	19.0	10.0
2	0.0	32.0	22.0	0.0	25.0	14.0	0.0	21.0	11.0	6.4	19.0	10.0
3	0.0	32.5	24.0	0.0	24.5	14.0	0.0	19.0	12.0	0.0	18.0	9.0
4	0.0	31.0	23.0	0.0	25.0	14.0	0.0	20.0	10.0	0.0	17.5	8.0
5	0.0	31.5	23.0	0.0	25.0	13.0	0.0	20.0	10.5	0.0	17.0	9.0
6	0.0	31.5	23.5	0.0	24.5	13.0	0.0	20.0	11.0	0.0	18.0	9.0
7	0.0	32.0	23.5	0.0	24.0	13.0	0.0	19.5	12.0	19.6	17.5	10.0
8	0.0	32.0	22.0	0.0	25.0	12.0	0.0	19.5	11.5	23.9	15.0	9.5
9	0.0	31.5	21.0	0.0	24.0	13.0	0.0	19.0	11.5	0.0	15.0	9.0
10	0.0	31.0	20.5	0.0	26.0	15.0	0.0	19.0	11.0	0.0	15.0	9.0
11	0.0	30.5	20.0	0.0	25.0	15.0	0.0	20.0	10.5	0.0	16.0	8.0
12	0.0	30.0	19.5	0.0	24.0	12.0	0.0	21.5	10.0	0.0	9.5	8.0
13	0.0	30.0	19.0	0.0	21.0	11.0	0.0	22.0	9.0	0.0	9.0	8.0
14	0.0	29.5	19.0	0.0	24.0	12.0	0.0	20.0	12.0	0.0	10.0	8.5
15	0.0	30.0	19.0	0.0	23.0	11.0	0.0	20.5	12.5	0.0	14.0	9.5
16	0.0	30.0	19.0	0.0	21.0	11.0	0.0	23.0	13.0	1.4	18.0	8.0
17	0.0	29.0	19.0	0.0	20.5	9.0	0.0	22.5	12.5	1.8	16.0	9.0
18	0.0	29.5	21.0	0.0	20.0	10.0	0.0	21.5	11.0	0.0	16.0	10.0
19	0.0	29.0	18.0	0.0	20.0	9.5	0.0	21.0	10.0	0.0	17.0	10.0
20	0.0	26.0	17.0	0.0	20.5	10.0	0.0	23.0	12.5	0.0	18.0	9.5
21	0.0	27.0	17.0	0.0	21.0	11.0	0.0	18.0	8.0	0.0	18.0	9.5
22	0.0	27.0	17.0	0.0	21.0	12.0	0.0	17.0	8.0	0.0	19.0	9.0
23	0.0	27.0	16.0	0.0	22.0	11.0	0.0	19.5	9.0	0.0	20.0	9.5
24	0.0	27.0	16.0	0.0	22.0	11.0	0.0	17.5	8.0	0.0	20.0	10.0
25	0.0	26.5	15.5	0.0	21.0	11.0	0.0	19.0	9.0	0.0	19.0	11.0
26	0.0	26.0	15.0	0.0	21.0	11.0	3.8	19.0	9.0	0.0	19.0	10.0
27	0.0	26.0	15.0	0.0	21.0	11.0	0.0	18.5	8.5	13.0	19.0	9.0
28	0.0	25.5	14.5	0.0	19.5	11.0	0.0	19.0	9.0	0.0	19.0	11.0
29	0.0	25.0	14.0	0.0	21.0	12.0	0.0	19.0	10.0	0.0	20.0	11.0
30	0.0	25.0	14.0	0.0	20.5	11.5	0.0	18.0	11.0	0.0	20.0	11.0
31	0.0	25.0	14.0	0			0.0	18.0	10.0	0.0	21.0	13.0
Min	0.0	25.0	14.0	0.0	19.5	9.0	0.0	17.0	8.0	0.0	9.0	8.0
Max	0.0	32.5	24.0	0.0	26.0	15.0	3.8	23.0	13.0	23.9	21.0	13.0
Monthly Total	0.0			0.0			3.8			66.1		
Monthly Average	0.0	29.0	18.8	0.0	22.6	11.9	0.1	19.8	10.5	2.1	17.0	9.5

Daily Observed Meteorological Data												
Name of Site : Deoprayag					Measuring Authority : HGDDDN					Code : GG00029		
Name of River : Ganga										Year : 2016-2017		
Month	Feb-17			Mar-17			Apr-17			May-17		
Date	Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1	0.0	22.0	12.0	4.6	26.0	14.0	0.0	34.0	22.0	5.4	24.0	17.0
2	0.0	22.5	12.0	0.0	27.0	15.0	0.0	35.0	21.5	0.0	32.0	18.0
3	0.0	23.0	12.0	0.0	25.5	14.0	0.0	35.0	22.0	0.0	34.0	19.0
4	0.0	23.0	12.0	0.0	24.0	13.0	0.0	35.0	22.0	0.0	31.0	20.0
5	0.0	22.0	11.5	0.0	26.0	16.0	4.3	34.0	20.0	0.0	32.0	20.0
6	2.5	21.0	11.5	0.0	27.0	18.0	20.4	20.5	18.0	0.0	35.0	21.0
7	0.0	20.5	13.0	0.0	26.0	14.0	11.0	26.0	19.0	0.0	36.0	21.0
8	0.0	21.0	12.5	0.0	27.0	15.0	0.0	28.0	19.0	0.0	36.0	24.0
9	0.0	22.0	12.0	8.9	24.0	13.0	0.0	31.0	19.0	3.2	38.0	21.0
10	0.0	21.0	11.0	3.0	24.0	13.0	0.0	30.0	19.0	1.2	36.0	21.0
11	0.0	21.0	10.0	29.2	20.0	11.0	0.0	31.0	17.0	0.2	36.0	21.0
12	0.0	22.0	10.5	5.3	18.0	10.0	0.0	33.0	19.0	2.8	34.0	22.0
13	0.0	23.0	11.0	0.0	19.0	11.0	0.0	30.0	20.0	5.0	34.0	20.0
14	0.0	21.5	11.0	0.0	23.0	10.0	0.0	32.0	21.0	1.6	35.0	21.0
15	0.0	20.5	10.0	0.0	23.5	14.0	0.0	33.0	22.0	0.6	33.0	21.0
16	0.0	22.0	11.0	0.0	25.0	14.0	0.0	34.0	21.5	2.4	33.0	21.0
17	0.0	23.0	12.0	0.0	24.0	14.0	0.0	36.0	22.0	0.4	37.0	22.0
18	0.0	21.0	12.0	0.0	25.0	14.0	0.0	36.0	24.0	4.6	32.0	22.0
19	0.0	24.0	13.0	0.0	26.0	14.5	0.0	37.0	25.0	7.8	33.0	20.0
20	0.0	26.0	14.0	0.0	27.0	15.0	0.0	37.0	25.0	1.8	34.0	22.0
21	0.0	25.0	15.5	0.0	27.0	15.5	0.0	38.0	26.5	0.0	34.0	23.0
22	0.0	23.0	14.5	0.0	29.0	16.0	2.8	38.0	24.0	0.4	37.0	23.0
23	0.0	25.0	15.0	0.0	30.5	17.0	0.0	37.0	26.0	7.4	32.0	22.0
24	0.0	25.0	15.0	0.0	32.0	19.0	0.0	38.0	27.0	0.0	32.0	22.0
25	0.0	25.0	14.0	0.0	32.0	19.0	0.0	38.5	27.0	0.0	32.0	23.0
26	0.0	25.0	14.0	0.0	32.5	18.0	0.0	38.0	27.0	3.0	35.0	21.0
27	0.0	26.0	13.0	0.0	32.0	22.0	0.0	37.0	25.0	15.4	36.0	21.0
28	0.0	26.5	12.5	0.0	32.0	20.0	0.0	33.0	20.0	17.6	31.0	21.0
29				0.0	32.5	21.0	0.0	33.0	22.0	4.4	33.0	21.0
30				0.0	33.0	21.0	8.6	30.0	18.0	1.6	27.0	21.0
31				0.0	34.0	21.0				8.8	30.0	22.0
Min	0.0	20.5	10.0	0.0	18.0	10.0	0.0	20.5	17.0	0.0	24.0	17.0
Max	2.5	26.5	15.5	29.2	34.0	22.0	20.4	38.5	27.0	17.6	38.0	24.0
Monthly Total	2.5			51.0	26.0	14.0	47.1			95.6		
Monthly Average	0.1	22.9	12.4	1.6	27.0	15.0	1.6	33.6	22.0	3.1	33.4	21.1

Daily Observed Meteorological Data												
Name of Site : Rishikesh						Measuring Authority : HGDDDN				Code : GG000Y4		
Name of River : Ganga						Year : 2016-2017						
Month	Jun-16			Jul-16			Aug-16			Sep-16		
Date	Rainfall	Atmospheric		Rainfall	Atmospheric		Rainfall	Atmospheric		Rainfall	Atmospheric	
	(mm)	Temperature (°c)		(mm)	Temperature (°c)		(mm)	Temperature (°c)		(mm)	Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1	0.0	38.5	27.0	19.0	35.0	27.5	13.6	30.0	26.0	18.2	34.0	26.0
2	0.0	40.0	29.0	5.2	35.0	25.5	1.8	29.0	25.5	1.2	33.0	24.0
3	9.0	40.5	28.5	36.6	30.0	26.0	1.6	33.5	26.0	4.6	33.0	24.0
4	0.0	39.5	29.0	0.8	30.5	25.0	0.0	34.5	27.0	0.0	35.0	24.5
5	0.0	40.0	29.0	2.0	35.0	26.5	0.0	36.5	27.5	58.4	34.0	23.0
6	6.3	40.0	28.0	1.0	30.0	26.5	71.4	35.0	25.0	27.4	33.0	22.0
7	0.5	35.0	27.5	0.0	35.5	26.5	1.4	30.0	26.0	18.6	33.0	23.0
8	6.8	34.0	26.0	9.4	35.5	26.5	0.4	29.5	24.5	0.4	33.0	22.0
9	0.0	37.0	27.5	0.0	32.0	27.0	8.0	34.0	26.5	0.2	34.0	23.5
10	30.4	37.5	26.5	0.0	35.5	27.5	0.0	33.0	26.0	0.0	33.0	27.0
11	0.2	39.0	27.0	0.6	34.5	27.0	6.2	29.5	25.5	0.8	34.0	24.0
12	0.0	38.5	27.5	0.0	32.0	27.0	40.6	32.0	25.0	12.0	32.5	26.0
13	0.0	38.0	27.0	3.0	34.5	27.0	0.0	38.0	26.0	60.3	33.0	25.5
14	0.0	38.0	28.0	0.0	35.0	27.0	0.0	37.0	25.5	11.6	32.5	26.0
15	56.2	37.0	26.5	0.8	31.0	26.5	20.6	32.5	24.5	0.0	32.5	26.0
16	48.0	34.0	26.0	2.6	34.0	26.5	4.0	32.5	25.5	0.0	32.0	26.5
17	1.2	32.0	25.0	43.4	27.5	24.5	9.0	33.0	26.0	0.0	32.0	26.0
18	0.0	35.0	26.0	107.6	26.0	24.0	11.8	33.5	25.0	0.0	33.0	25.0
19	0.0	37.0	27.5	1.2	31.5	24.5	0.0	34.0	25.5	0.0	33.5	24.5
20	0.0	38.0	28.0	0.0	33.5	26.5	1.8	34.0	25.5	0.0	33.0	24.0
21	0.0	37.5	28.0	0.0	34.0	27.0	10.4	35.0	25.0	0.0	33.5	26.0
22	0.0	34.0	26.0	62.4	34.0	25.5	0.0	35.0	26.0	0.0	32.5	25.0
23	0.0	35.0	27.0	80.2	26.0	25.0	60.0	33.5	25.5	0.0	33.0	24.0
24	2.4	37.0	27.0	2.8	31.5	24.5	0.0	32.0	26.0	0.0	32.5	23.0
25	0.0	37.5	26.5	0.0	33.5	26.0	1.0	33.0	26.0	0.0	33.0	23.0
26	0.0	35.5	26.0	54.6	34.0	26.0	0.0	33.5	25.0	22.4	32.5	23.5
27	0.0	36.0	27.0	1.2	31.5	25.5	34.8	34.0	26.0	0.0	32.5	23.0
28	0.0	38.5	28.5	0.4	30.5	25.5	0.0	35.0	25.5	0.0	32.0	25.0
29	0.0	36.0	28.0	0.2	33.5	25.0	0.0	36.0	26.0	0.0	32.0	25.5
30	2.4	39.5	27.5	46.0	31.0	25.0	0.0	35.0	25.5	0.0	33	25.0
31				4.0	31.0	25	0.0	32.0	25.0			
Min	0.0	32.0	25.0	0.0	26.0	24.0	0.0	29.0	24.5	0.0	32.0	22.0
Max	56.2	40.5	29.0	107.6	35.5	27.5	71.4	38.0	27.5	60.3	35.0	27.0
Monthly Total	163.4			485.0			298.4			236.1		
Monthly Average	5.4	37.2	27.3	15.6	32.4	26.0	9.6	33.4	25.7	7.9	33.0	24.5

Daily Observed Meteorological Data												
Name of Site : Rishikesh						Measuring Authority : HGDDDN				Code : GG000Y4		
Name of River : Ganga										Year : 2016-2017		
Month	Oct-16			Nov-16			Dec-16			Jan-17		
Date	Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1	0.0	33.5	25.0	0.0	27.5	17.5	0.0	23.5	15.0	0.0	16.5	11.0
2	0.0	33.0	24.5	0.0	26.0	16.5	0.0	24.0	15.0	0.8	20.0	11.5
3	0.0	33.0	24.0	0.0	28.0	17.5	0.0	24.5	14.5	0.0	21.0	12.5
4	0.0	33.0	23.5	0.0	27.0	17.0	0.0	23.5	14.0	0.0	21.5	13.0
5	0.0	32.5	23.0	0.0	26.0	16.0	0.0	23.0	14.0	0.0	20.5	11.5
6	27.4	33.0	23.0	0.0	25.5	16.0	0.0	22.0	13.0	0.0	21.0	11.0
7	0.0	33.5	22.5	0.0	26.0	15.5	0.0	21.5	13.5	9.4	20.0	12.0
8	0.0	33.0	23.0	0.0	25.5	15.5	0.0	23.0	14.0	13.8	21.5	13.0
9	0.0	33.0	23.5	0.0	26.0	16.0	0.0	23.0	13.0	0.0	18.5	9.0
10	0.0	32.5	23.0	0.0	18.5	15.0	0.0	27.0	13.0	0.0	18.5	9.5
11	0.0	33.0	22.5	0.0	18.5	15.5	0.0	20.5	14.0	0.0	15.0	7.5
12	0.0	33.5	23.0	0.0	25.0	16.0	0.0	17.0	14.0	0.0	11.5	7.0
13	0.0	33.0	23.0	0.0	26.0	16.0	0.0	21.0	12.5	0.0	16.5	6.5
14	0.0	32.5	22.5	0.0	24.0	15.0	0.0	21.5	11.5	0.0	17.5	7.0
15	0.0	32.0	22.0	0.0	24.0	15.0	0.0	19.0	11.5	0.0	16.5	7.0
16	0.0	32.0	21.0	0.0	24.0	15.0	0.0	19.0	10.0	0.0	16.0	7.0
17	0.0	31.5	21.0	0.0	24.0	15.0	0.0	19.5	10.5	0.0	18.5	11.0
18	0.0	31.0	20.0	0.0	23.0	14.0	0.0	21.5	10.5	0.0	16.5	11.5
19	0.0	30.5	20.0	0.0	21.0	13.5	0.0	20.0	10.5	0.0	19.0	10.0
20	0.0	29.0	20.0	0.0	23.0	14.0	0.0	20.0	10.0	0.0	20.5	10.0
21	0.0	29.0	20.0	0.0	23.0	14.0	0.0	20.0	10.0	0.0	20.0	10.0
22	0.0	29.0	19.0	0.0	23.0	13.5	0.0	19.0	9.5	0.0	20.0	10.5
23	0.0	28.5	18.5	0.0	23.0	13.5	0.0	19.5	10.5	0.0	22.5	13.0
24	0.0	28.0	18.0	0.0	24.0	13.0	0.0	20.5	12.0	0.0	23.5	12.5
25	0.0	28.0	18.0	0.0	24.5	14.0	0.0	27.0	12.5	0.0	22.0	13.0
26	0.0	27.0	18.0	0.0	24.5	13.5	10.6	20.5	11.0	3.0	23.0	14.0
27	0.0	28.0	18.0	0.0	23.0	14.0	0.0	20.5	11.0	3.4	19.5	10.0
28	0.0	28.0	17.5	0.0	22.5	14.0	0.0	20.0	11.5	0.6	20.0	12.0
29	0.0	27.5	17.5	0.0	26.0	15.0	0.0	19.0	11.0	0.0	21.5	12.5
30	0.0	27.5	17.0	0.0	23.0	14.0	0.0	16.0	10.0	0.0	20.0	12.5
31	0.0	26.5	16.5				0.0	16.5	11.0	0.0	23.0	13.5
Min	0.0	26.5	16.5	0.0	18.5	13.0	0.0	16.0	9.5	0.0	11.5	6.5
Max	27.4	33.5	25.0	0.0	28.0	17.5	10.6	27.0	15.0	13.8	23.5	14.0
Monthly Total	27.4			0.0			10.6			31.0		
Monthly Average	0.9	30.8	20.9	0.0	24.2	15.0	0.3	21.0	12.1	1.0	19.4	10.7

Daily Observed Meteorological Data												
Name of Site : Rishikesh						Measuring Authority : HGDDDN				Code : GG000Y4		
Name of River : Ganga						Year : 2016-2017						
Month	Feb-17			Mar-17			Apr-17			May-17		
Date	Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1	0.0	22.0	12.0	1.4	28.0	14.0	0.0	36.0	23.0	0.0	38.0	24.5
2	0.0	21.0	12.0	0.0	25.5	18.0	0.0	36.0	22.0	0.0	38.0	24.0
3	0.0	23.0	12.5	0.0	30.0	15.0	0.0	37.5	22.5	0.0	37.5	24.0
4	0.0	24.0	14.0	0.0	27.5	15.0	0.0	37.5	23.0	0.0	37.5	24.5
5	0.6	23.5	13.5	0.0	27.5	14.5	0.0	37.5	23.0	0.0	37.0	24.0
6	2.0	21.0	15.5	0.0	28.5	14.0	2.0	34.0	20.0	0.0	38.0	26.5
7	0.0	24.5	13.0	0.0	28.0	13.5	1.5	32.0	20.0	0.0	38.0	26.0
8	0.0	24.0	13.0	0.0	29.0	14.5	1.0	32.0	23.0	0.0	40.0	26.5
9	0.0	23.0	14.0	2.0	26.0	17.0	0.0	35.0	19.0	0.0	40.0	26.0
10	0.0	22.5	11.5	0.0	28.0	16.5	0.0	31.5	18.0	0.0	40.0	26.0
11	0.0	23.0	11.0	17.8	28.0	14.0	0.0	31.5	18.5	0.0	40.0	26.0
12	0.0	23.5	10.5	8.0	26.5	12.0	0.0	31.5	18.5	0.0	40.0	26.0
13	0.0	22.5	12.0	0.0	26.5	12.0	0.0	31.5	18.5	0.0	40.0	26.0
14	0.0	23.0	13.0	0.0	26.5	12.0	0.0	35.5	19.0	0.0	40.0	26.5
15	0.0	23.0	13.0	0.0	26.5	12.0	0.0	35.0	18.0	0.0	42.0	28.5
16	0.0	24.5	13.5	0.0	26.5	12.0	0.0	35.0	23.0	0.0	42.0	28.5
17	0.0	24.0	13.5	0.0	26.0	12.0	0.0	35.0	23.0	0.0	42.5	29.0
18	0.0	25.0	16.0	0.0	28.0	13.0	0.0	35.0	23.0	0.0	41.0	28.5
19	0.0	27.5	16.5	0.0	28.0	13.0	0.0	35.5	23.0	0.0	38.0	26.0
20	0.0	27.5	17.0	0.0	29.5	16.5	0.0	35.5	23.0	20.0	38.5	26.5
21	1.8	28.0	18.0	0.0	30.0	17.0	0.0	35.5	23.0	0.0	38.0	26.5
22	0.0	26.5	16.0	0.0	30.5	17.0	0.0	35.0	23.0	9.0	39.0	27.0
23	0.0	26.5	14.0	0.0	32.0	19.0	0.0	35.0	23.0	0.0	36.0	28.0
24	0.0	25.5	12.5	0.0	34.0	19.5	0.0	36.5	26.0	3.6	38.5	27.0
25	0.0	24.5	12.0	0.0	35.0	19.0	0.0	36.0	24.0	0.0	39.0	29.0
26	0.0	26.0	13.0	0.0	34.5	19.5	0.0	36.0	24.0	3.2	41.0	30.0
27	0.0	25.5	12.5	0.0	34.5	19.0	0.0	36.0	24.0	14.4	40.5	26.0
28	0.0	28.0	14.0	0.0	34.5	19.0	0.0	37.0	26.0	0.0	40.5	27.0
29				0.0	34.5	19.0	0.0	37.5	26.5	0.0	40.0	27.0
30				0.0	34.5	19.0	0.0	37.0	26.0	0.0	31.0	25.5
31				0.0	37.0	19.5				0.0	38.5	26.0
Min	0.0	21.0	10.5	0.0	25.5	12.0	0.0	31.5	18.0	0.0	31.0	24.0
Max	2.0	28.0	18.0	17.8	37.0	19.5	2.0	37.5	26.5	20.0	42.5	30.0
Monthly Total	4.4			29.2			4.5			50.2		
Monthly Average	0.2	24.4	13.5	0.9	29.7	15.7	0.2	35.1	22.2	1.6	39.0	26.5

Daily Observed Meteorological Data												
Name of Site : Nandkeshri						Measuring Authority : HGDDDN				Code : GG260J4		
Name of River : Pinder						Year : 2016-2017						
Month	Jun-16			Jul-16			Aug-16			Sep-16		
Date	Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1	0	38.5	27	19	35	27.5	13.6	30	26	18.2	34	26
2	0	40	29	5.2	35	25.5	1.8	29	25.5	1.2	33	24
3	9	40.5	28.5	36.6	30	26	1.6	33.5	26	4.6	33	24
4	0	39.5	29	0.8	30.5	25	0	34.5	27	0	35	24.5
5	0	40	29	2	35	26.5	0	36.5	27.5	58.4	34	23
6	6.3	40	28	1	30	26.5	71.4	35	25	27.4	33	22
7	0.5	35	27.5	0	35.5	26.5	1.4	30	26	18.6	33	23
8	6.8	34	26	9.4	35.5	26.5	0.4	29.5	24.5	0.4	33	22
9	0	37	27.5	0	32	27	8	34	26.5	0.2	34	23.5
10	30.4	37.5	26.5	0	35.5	27.5	0	33	26	0	33	27
11	0.2	39	27	0.6	34.5	27	6.2	29.5	25.5	0.8	34	24
12	0	38.5	27.5	0	32	27	40.6	32	25	12	32.5	26
13	0	38	27	3	34.5	27	0	38	26	60.3	33	25.5
14	0	38	28	0	35	27	0	37	25.5	11.6	32.5	26
15	56.2	37	26.5	0.8	31	26.5	20.6	32.5	24.5	0	32.5	26
16	48	34	26	2.6	34	26.5	4	32.5	25.5	0	32	26.5
17	1.2	32	25	43.4	27.5	24.5	9	33	26	0	32	26
18	0	35	26	107.6	26	24	11.8	33.5	25	0	33	25
19	0	37	27.5	1.2	31.5	24.5	0	34	25.5	0	33.5	24.5
20	0	38	28	0	33.5	26.5	1.8	34	25.5	0	33	24
21	0	37.5	28	0	34	27	10.4	35	25	0	33.5	26
22	0	34	26	62.4	34	25.5	0	35	26	0	32.5	25
23	0	35	27	80.2	26	25	60	33.5	25.5	0	33	24
24	2.4	37	27	2.8	31.5	24.5	0	32	26	0	32.5	23
25	0	37.5	26.5	0	33.5	26	1	33	26	0	33	23
26	0	35.5	26	54.6	34	26	0	33.5	25	22.4	32.5	23.5
27	0	36	27	1.2	31.5	25.5	34.8	34	26	0	32.5	23
28	0	38.5	28.5	0.4	30.5	25.5	0	35	25.5	0	32	25
29	0	36	28	0.2	33.5	25	0	36	26	0	32	25.5
30	2.4	39.5	27.5	46	31	25	0	35	25.5	0	33	25
31				4	31	25	0	32	25			
Min	0	32	25	0	26	24	0	29	24.5	0	32	22
Max	56.2	40.5	29	107.6	35.5	27.5	71.4	38	27.5	60.3	35	27
Monthly Total	163.4			485			298.4			236.1		
Monthly Average	5.4	37.167	27.267	15.6	32.387	25.968	9.6	33.387	25.661	7.9	32.983	24.517

Daily Observed Meteorological Data												
Name of Site : Nandkeshri					Measuring Authority : HGDDDN					Code : GG260J4		
Name of River : Pinder										Year : 2016-2017		
Month	Oct-16			Nov-16			Dec-16			Jan-17		
Date	Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)		Rainfall (mm)	Atmospheric Temperature (°c)	
		Max.	Min.		Max.	Min.		Max.	Min.		Max.	Min.
1	0	33.5	25	0	27.5	17.5	0	23.5	15	0	16.5	11
2	0	33	24.5	0	26	16.5	0	24	15	0.8	20	11.5
3	0	33	24	0	28	17.5	0	24.5	14.5	0	21	12.5
4	0	33	23.5	0	27	17	0	23.5	14	0	21.5	13
5	0	32.5	23	0	26	16	0	23	14	0	20.5	11.5
6	27.4	33	23	0	25.5	16	0	22	13	0	21	11
7	0	33.5	22.5	0	26	15.5	0	21.5	13.5	9.4	20	12
8	0	33	23	0	25.5	15.5	0	23	14	13.8	21.5	13
9	0	33	23.5	0	26	16	0	23	13	0	18.5	9
10	0	32.5	23	0	18.5	15	0	27	13	0	18.5	9.5
11	0	33	22.5	0	18.5	15.5	0	20.5	14	0	15	7.5
12	0	33.5	23	0	25	16	0	17	14	0	11.5	7
13	0	33	23	0	26	16	0	21	12.5	0	16.5	6.5
14	0	32.5	22.5	0	24	15	0	21.5	11.5	0	17.5	7
15	0	32	22	0	24	15	0	19	11.5	0	16.5	7
16	0	32	21	0	24	15	0	19	10	0	16	7
17	0	31.5	21	0	24	15	0	19.5	10.5	0	18.5	11
18	0	31	20	0	23	14	0	21.5	10.5	0	16.5	11.5
19	0	30.5	20	0	21	13.5	0	20	10.5	0	19	10
20	0	29	20	0	23	14	0	20	10	0	20.5	10
21	0	29	20	0	23	14	0	20	10	0	20	10
22	0	29	19	0	23	13.5	0	19	9.5	0	20	10.5
23	0	28.5	18.5	0	23	13.5	0	19.5	10.5	0	22.5	13
24	0	28	18	0	24	13	0	20.5	12	0	23.5	12.5
25	0	28	18	0	24.5	14	0	27	12.5	0	22	13
26	0	27	18	0	24.5	13.5	10.6	20.5	11	3	23	14
27	0	28	18	0	23	14	0	20.5	11	3.4	19.5	10
28	0	28	17.5	0	22.5	14	0	20	11.5	0.6	20	12
29	0	27.5	17.5	0	26	15	0	19	11	0	21.5	12.5
30	0	27.5	17	0	23	14	0	16	10	0	20	12.5
31	0	26.5	16.5				0	16.5	11	0	23	13.5
Min	0	26.5	16.5	0	18.5	13	0	16	9.5	0	11.5	6.5
Max	27.4	33.5	25	0	28	17.5	10.6	27	15	13.8	23.5	14
Monthly Total	27.4			0			10.6			31		
Monthly Average	0.9	30.806	20.903	0	24.167	15	0.3	21.048	12.065	1	19.403	10.71

Daily Observed Meteorological Data												
Name of Site : Nandkeshri						Measuring Authority : HGDDDN				Code : GG260J4		
Name of River : Pinder						Year : 2016-2017						
Month	Feb-17			Mar-17			Apr-17			May-17		
Date	Rainfall	Atmospheric		Rainfall	Atmospheric		Rainfall	Atmospheric		Rainfall	Atmospheric	
	(mm)	Temperature (°c)			Temperature (°c)			Temperature (°c)			Temperature (°c)	
		Max.	Min.	(mm)	Max.	Min.	(mm)	Max.	Min.	(mm)	Max.	Min.
1	0	22	12	1.4	28	14	0	36	23	0	38	24.5
2	0	21	12	0	25.5	18	0	36	22	0	38	24
3	0	23	12.5	0	30	15	0	37.5	22.5	0	37.5	24
4	0	24	14	0	27.5	15	0	37.5	23	0	37.5	24.5
5	0.6	23.5	13.5	0	27.5	14.5	0	37.5	23	0	37	24
6	2	21	15.5	0	28.5	14	2	34	20	0	38	26.5
7	0	24.5	13	0	28	13.5	1.5	32	20	0	38	26
8	0	24	13	0	29	14.5	1	32	23	0	40	26.5
9	0	23	14	2	26	17	0	35	19	0	40	26
10	0	22.5	11.5	0	28	16.5	0	31.5	18	0	40	26
11	0	23	11	17.8	28	14	0	31.5	18.5	0	40	26
12	0	23.5	10.5	8	26.5	12	0	31.5	18.5	0	40	26
13	0	22.5	12	0	26.5	12	0	31.5	18.5	0	40	26
14	0	23	13	0	26.5	12	0	35.5	19	0	40	26.5
15	0	23	13	0	26.5	12	0	35	18	0	42	28.5
16	0	24.5	13.5	0	26.5	12	0	35	23	0	42	28.5
17	0	24	13.5	0	26	12	0	35	23	0	42.5	29
18	0	25	16	0	28	13	0	35	23	0	41	28.5
19	0	27.5	16.5	0	28	13	0	35.5	23	0	38	26
20	0	27.5	17	0	29.5	16.5	0	35.5	23	20	38.5	26.5
21	1.8	28	18	0	30	17	0	35.5	23	0	38	26.5
22	0	26.5	16	0	30.5	17	0	35	23	9	39	27
23	0	26.5	14	0	32	19	0	35	23	0	36	28
24	0	25.5	12.5	0	34	19.5	0	36.5	26	3.6	38.5	27
25	0	24.5	12	0	35	19	0	36	24	0	39	29
26	0	26	13	0	34.5	19.5	0	36	24	3.2	41	30
27	0	25.5	12.5	0	34.5	19	0	36	24	14.4	40.5	26
28	0	28	14	0	34.5	19	0	37	26	0	40.5	27
29				0	34.5	19	0	37.5	26.5	0	40	27
30				0	34.5	19	0	37	26	0	31	25.5
31				0	37	19.5				0	38.5	26
Min	0	21	10.5	0	25.5	12	0	31.5	18	0	31	24
Max	2	28	18	17.8	37	19.5	2	37.5	26.5	20	42.5	30
Monthly Total	4.4			29.2			4.5			50.2		
Monthly Average	0.2	24.375	13.536	0.9	29.71	15.71	0.2	35.05	22.217	1.6	39.032	26.532

Daily Observed Meteorological Data												
Name of site: Haridwar				Measuring Authority: HGDDDN					Code- GG000X7			
Name of River : Ganga									Year- 2016-17			
Rainfall (mm)	Rainfall (mm)	Rainfall (mm)	Rainfall (mm)	Rainfall (mm)	Rainfall (mm)	Rainfall (mm)	Rainfall (mm)	Rainfall (mm)	Rainfall (mm)	Rainfall (mm)	Rainfall (mm)	Rainfall (mm)
Day	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	0.00	24.20	12.60	16.60	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00
2	0.00	48.60	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	6.40	12.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	3.80	0.00	29.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	29.80	37.00	0.00	0.40	0.00	0.00	0.00	2.40	0.00	0.40	0.00
7	7.20	0.00	3.00	12.00	3.20	0.00	0.00	8.40	0.00	0.00	0.30	0.00
8	6.80	0.00	0.00	0.00	0.00	0.00	0.00	4.40	0.00	0.00	70.00	0.00
9	0.00	0.00	7.00	1.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00
10	0.00	0.00	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	12.80	0.00	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	13.00	34.60	0.00	0.00	0.00	0.00	0.00	28.80	0.00	0.00
13	0.00	11.80	0.40	1.40	0.00	0.00	0.00	0.00	0.00	1.20	0.00	0.00
14	0.00	0.00	39.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	5.40	0.00	11.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	111.80	53.00	41.20	0.00	0.00	0.00	0.00	0.80	0.00	0.00	0.00	0.00
17	1.00	101.80	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	155.00	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20
20	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.40	0.00	0.00	0.00	0.00	0.00	12.20	0.00	0.00	0.00
22	2.20	70.60	0.00	7.80	0.00	0.00	0.00	0.00	0.00	0.00	9.00	1.60
23	0.00	75.20	17.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	1.00	7.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	51.40	0.00	0.00	0.00	0.00	4.00	0.80	0.00	0.00	0.00	0.00
27	0.00	21.20	0.80	12.00	0.00	0.00	0.00	1.20	0.00	0.00	0.20	6.00
28	0.00	3.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	6.20	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	1.00
30	0.00	13.00	4.80	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
31		2.40	0.00		0.00		0.00	0.00		0.00		0.00
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Max	111.80	155.00	41.20	34.60	3.20	0.00	4.00	8.40	12.20	28.80	70.00	6.00
Monthly Total	147.20	703.40	243.60	114.80	3.60	0.00	4.00	15.60	15.00	32.60	79.90	10.80
Monthly Average	4.90	22.69	7.86	3.83	0.12	0.00	0.12	0.50	0.54	1.05	2.66	0.35

Daily Observed Meteorological Data												
Name of site: Dharmnagari				Measuring Authority: HGDDDN					Code: 016-HGDDDN(e-swis)			
Name of River : Ganga									Year: 2016-17			
Rainfall (mm)	Rainfall (mm)	Rainfall (mm)	Rainfall (mm)	Rainfall (mm)	Rainfall (mm)	Rainfall (mm)	Rainfall (mm)	Rainfall (mm)	Rainfall (mm)	Rainfall (mm)	Rainfall (mm)	Rainfall (mm)
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0	8	0	13.00	0	0	0	0	0	0	0	0
2	0	16	0	3.00	0	0	0	0	0	0	0	0
3	0	76	0	0	0	0	0	0	0	0	0	0
4	0	22	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	4.4	5	18	0	0	0	0	0	2	0	0	0
7	0	0	6	0	0	0	0	5	0	0	10	0
8	0	0	0	0	0	0	0	5	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	2	0	0	0	0	0	0	2	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	10	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	2	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	2	0	0	0	0	0	0	0	0	0
16	10	13	18	0	0	0	0	0	0	0	0	0
17	0	40	0	0	0	0	0	0	0	0	0	0
18	0	25	0	0	0	0	0	0	0	0	0	0
19	0	3	2	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	12	0	0	0	0	0	0	0	0	0	0
23	0	65	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	2	0	0	0	0
28	0	5	0	0	0	0	0	0	0	0	0	0
29	0	60	0	0	0	0	0	0		0	0	5
30	0	2	20	0	0	0	0	0		0	0	0
31		4	0		0		0	0		0		0
Min	0	0	0	0.00	0	0	0	0	0	0	0	0
Max	10	76	20	13.00	0	0	0	5	2	2	10	5
Monthly Total	14.4	356	78	16.00	0	0	0	12	2	4	10	5
Monthly Average	0.48	11.48	2.52	0.53	0	0	0	0.39	0.07	0.13	0.33	0.16

Daily Observed Meteorological Data												
Name of Site: Garhmukteshwar				Measuring Authority : MGD2				Code: GG000T2				
Name of River / Tributary: Ganga								Year : 2016-17				
Month	Jun-16			Jul-16			Aug-16			Sep-16		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	38.00	24.00	2.60	39.50	25.00	16.00	37.00	20.50	8.20	37.00	22.00
2	0.00	39.00	24.00	18.40	36.50	22.50	0.00	36.50	20.00	2.20	37.50	22.50
3	0.00	40.00	25.00	0.00	37.00	23.00	0.00	35.00	20.50	6.00	37.00	22.00
4	0.00	41.00	25.50	0.60	39.00	24.00	0.00	38.00	22.00	0.00	36.00	23.00
5	0.00	42.50	26.00	0.00	38.00	24.00	0.00	39.00	21.50	0.00	36.50	23.50
6	0.00	43.00	26.50	0.00	37.50	24.00	37.00	37.00	20.50	0.00	36.00	23.00
7	0.00	43.50	26.50	0.00	38.00	24.00	0.00	38.00	21.00	0.00	37.00	23.50
8	0.00	42.00	25.50	0.00	38.00	23.50	0.00	38.00	21.00	0.00	37.50	24.00
9	0.00	40.50	25.50	0.00	38.00	23.50	0.00	38.00	21.50	0.00	37.00	23.00
10	0.00	40.50	25.50	0.00	39.00	24.00	0.00	37.50	21.50	0.00	36.50	22.50
11	0.00	40.00	25.50	4.80	38.00	23.00	11.60	36.00	21.00	0.00	37.50	22.50
12	0.00	42.00	26.00	29.60	37.50	22.00	25.40	36.00	21.00	0.00	38.50	23.50
13	0.00	43.00	26.00	0.00	37.50	22.50	0.00	35.00	20.50	0.00	39.00	24.00
14	2.00	42.00	25.50	0.00	38.00	23.00	2.60	34.50	20.50	0.00	39.50	24.00
15	0.00	41.50	25.00	3.20	39.00	23.50	85.40	34.50	20.50	0.00	39.00	23.50
16	1.20	40.00	24.00	50.20	36.00	21.50	0.00	36.00	21.00	0.00	38.00	23.00
17	0.00	40.00	24.00	112.00	34.00	19.00	13.20	36.50	21.50	0.00	37.50	23.00
18	0.00	40.50	25.50	11.20	35.50	19.50	0.00	37.00	22.00	0.00	37.00	23.50
19	0.00	40.00	25.00	0.00	35.00	19.00	0.00	37.50	21.50	0.00	37.00	24.00
20	0.00	41.00	26.00	0.00	38.00	21.00	0.00	38.00	22.00	0.00	37.50	24.00
21	2.00	40.00	24.50	1.80	37.50	21.00	0.00	38.50	21.50	0.00	38.00	24.00
22	0.00	40.50	24.00	0.00	38.00	21.50	0.00	38.00	21.00	62.00	36.50	23.00
23	4.40	39.00	25.00	98.00	37.00	21.00	0.00	38.50	21.50	0.00	37.00	23.00
24	0.00	40.00	25.50	0.00	37.00	21.00	0.00	38.00	22.00	0.00	36.50	23.00
25	0.00	40.50	26.00	0.00	38.50	22.00	13.00	38.50	22.00	0.00	36.00	22.50
26	0.00	41.00	26.50	0.00	38.00	22.00	0.00	39.00	22.00	0.00	36.50	23.00
27	0.00	40.00	26.00	0.00	38.50	22.00	0.00	38.00	22.50	0.00	36.00	23.00
28	6.80	39.00	25.50	0.00	38.00	22.50	0.00	37.50	22.00	0.00	36.00	22.50
29	0.00	40.00	25.50	2.40	38.50	22.00	0.00	38.50	22.50	0.00	37.00	22.00
30	0.00	40.50	25.50	1.20	37.50	21.50	3.20	37.00	22.00	0.00	35.00	22.50
31				18.00	37.00	21.00	2.20	37.00	22.50			
Max.	6.80	43.50		112.00	39.50		85.40	39.00		62.00	39.50	
Min.	0.00		24.00	0.00		19.00	0.00		20.00	0.00		22.00
Monthly total	16.40			354.00			209.60			78.40		
Monthly Average		40.68	25.35		37.56	22.23		37.21	21.39		37.10	23.08

Daily Observed Meteorological Data												
Name of Site: Garhmukteshwar				Measuring Authority : MGD2				Code: GG000T2				
Name of River / Tributary: Ganga								Year : 2016-17				
Month	Oct-16			Nov-16			Dec-16			Jan-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	36.50	23.00	0.00	29.50	20.00	0.00	25.00	14.00	0.00	20.00	10.00
2	0.00	36.00	23.00	0.00	30.00	20.00	0.00	25.50	13.50	0.00	20.00	10.00
3	0.00	35.00	23.00	0.00	29.00	20.00	0.00	25.50	13.00	0.00	20.50	10.50
4	0.00	34.50	22.50	0.00	29.00	20.00	0.00	25.50	12.50	0.00	21.00	11.00
5	0.00	35.00	22.50	0.00	29.00	20.00	0.00	25.50	12.00	0.00	22.00	11.00
6	0.00	34.50	22.00	0.00	28.00	19.00	0.00	25.50	12.00	0.00	22.00	10.50
7	0.00	34.00	22.00	0.00	27.50	19.00	0.00	25.00	11.50	3.40	20.50	9.50
8	0.00	34.50	22.00	0.00	27.00	19.00	0.00	25.00	11.00	2.00	20.00	9.50
9	0.00	34.50	22.00	0.00	28.00	19.00	0.00	24.00	11.00	0.00	21.00	10.00
10	0.00	34.00	21.00	0.00	27.50	19.00	0.00	24.00	11.00	0.00	21.00	9.50
11	0.00	33.50	21.00	0.00	27.00	19.00	0.00	23.00	10.50	0.00	17.50	8.00
12	0.00	33.00	21.00	0.00	27.00	19.00	0.00	22.50	10.50	0.00	17.50	8.00
13	0.00	32.50	20.50	0.00	27.50	19.00	0.00	22.00	10.00	0.00	17.50	7.50
14	0.00	32.00	20.00	0.00	27.00	19.00	0.00	22.00	10.00	0.00	17.00	6.00
15	0.00	32.00	20.50	0.00	27.00	19.00	0.00	22.50	10.50	0.00	17.00	7.00
16	0.00	32.50	20.50	0.00	27.00	18.50	0.00	21.50	10.00	0.00	17.50	7.00
17	0.00	32.00	21.00	0.00	27.00	18.50	0.00	21.50	10.00	0.00	17.00	6.50
18	0.00	31.50	20.50	0.00	26.50	18.00	0.00	22.00	11.00	0.00	17.00	6.00
19	0.00	31.00	20.50	0.00	26.50	17.50	0.00	21.00	10.50	0.00	18.00	7.00
20	0.00	32.00	20.00	0.00	26.50	17.00	0.00	21.00	10.00	0.00	18.50	7.50
21	0.00	31.00	20.00	0.00	26.50	17.00	0.00	21.50	10.00	0.00	19.00	7.50
22	0.00	32.00	20.50	0.00	26.50	17.00	0.00	22.00	10.50	0.00	19.50	7.50
23	0.00	32.00	20.50	0.00	26.50	17.00	0.00	22.00	10.00	0.00	19.50	8.00
24	0.00	31.50	20.00	0.00	26.50	17.00	0.00	22.00	10.00	0.00	20.00	8.50
25	0.00	31.00	20.00	0.00	26.50	17.00	0.00	22.50	10.50	0.00	21.00	9.00
26	0.00	31.00	20.00	0.00	26.00	16.50	0.00	21.00	10.00	0.00	21.00	9.50
27	0.00	30.50	20.00	0.00	26.00	16.50	0.00	20.00	10.00	8.00	21.00	9.50
28	0.00	31.00	20.00	0.00	26.00	16.00	0.00	20.00	10.00	3.00	21.50	9.50
29	0.00	30.00	20.00	0.00	25.00	15.00	0.00	20.00	9.00	0.00	21.50	10.00
30	0.00	30.00	20.00	0.00	25.00	14.50	0.00	20.00	9.00	0.00	21.00	10.00
31	0.00	30.50	20.00				0.00	20.00	9.00	0.00	21.00	10.00
Max.	0.00	36.50		0.00	30.00		0.00	25.50		8.00	22.00	
Min.	0.00		20.00	0.00		14.50	0.00		9.00	0.00		6.00
Monthly total	0.00			0.00			0.00		9.00	0.00		
Monthly Average		32.61	20.95		27.13	18.10		22.60	10.73		19.63	8.74

Daily Observed Meteorological Data												
Name of Site: Garhmukteshwar				Measuring Authority : MGD2				Code: GG000T2				
Name of River / Tributary: Ganga								Year : 2016-17				
Month	Feb-17			Mar-17			Apr-17			May-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	21.00	9.50	0.00	26.00	13.00	0.00	36.00	20.00	0.00	37.00	23.50
2	0.00	21.00	9.50	0.00	26.50	13.00	0.00	37.50	20.50	0.00	37.50	23.50
3	0.00	21.50	9.00	0.00	26.00	12.50	0.00	39.00	21.50	0.00	37.00	24.00
4	0.00	21.50	9.50	0.00	25.50	12.00	0.00	38.00	21.50	0.00	37.50	24.00
5	0.00	21.50	9.50	0.00	25.00	12.00	0.00	37.00	21.00	0.00	37.00	24.50
6	0.00	22.00	9.50	0.00	26.00	12.50	0.40	36.50	21.00	0.00	38.00	24.50
7	0.00	22.50	9.50	0.00	26.50	12.50	0.00	36.00	21.50	0.00	39.00	25.00
8	0.00	23.00	10.00	0.00	27.00	13.00	0.00	35.50	21.50	0.00	40.00	25.00
9	0.00	23.50	10.00	7.60	26.50	12.50	0.00	35.00	21.00	0.00	41.00	25.50
10	0.00	23.50	10.50	3.40	26.00	12.00	0.00	36.00	21.50	0.00	41.00	26.00
11	0.00	22.00	9.50	4.80	26.50	12.50	0.00	36.00	21.00	0.00	41.00	26.00
12	0.00	20.00	10.00	1.20	25.00	12.50	0.00	35.50	21.00	0.00	41.00	26.00
13	0.00	19.00	9.50	0.00	25.00	12.00	0.00	37.00	22.00	0.00	41.00	26.00
14	0.00	20.00	9.00	0.00	25.00	11.50	0.00	37.50	22.00	0.00	41.50	26.50
15	0.00	21.00	9.50	0.00	25.50	11.50	0.00	38.00	22.50	0.00	42.00	26.50
16	0.00	21.50	10.00	0.00	26.00	12.00	0.00	37.50	22.00	0.00	42.00	26.50
17	0.00	23.00	11.00	0.00	26.00	12.00	0.00	38.50	22.50	0.00	41.00	27.00
18	0.00	23.50	11.00	0.00	26.50	12.50	0.00	40.00	23.50	0.00	39.00	27.00
19	0.00	24.00	11.50	0.00	26.00	12.00	0.00	40.00	23.50	0.80	38.00	27.00
20	0.00	23.00	11.00	0.00	27.00	12.50	0.00	40.50	24.00	0.00	39.50	26.50
21	0.00	23.50	11.50	0.00	27.50	13.00	0.00	40.00	23.50	0.00	40.00	26.50
22	0.00	23.00	11.00	0.00	28.00	13.00	0.00	40.00	23.50	0.00	40.00	27.00
23	0.00	24.00	11.50	0.00	28.00	13.00	0.00	40.50	23.50	0.00	40.00	27.00
24	0.00	23.50	11.50	0.00	27.50	12.50	0.00	41.00	24.00	0.00	40.00	26.50
25	0.00	24.00	11.00	0.00	28.00	13.00	0.00	40.00	24.00	0.00	41.00	27.00
26	0.00	24.50	11.50	0.00	28.50	13.00	0.00	39.50	23.50	0.00	41.50	27.00
27	0.00	25.00	12.00	0.00	29.00	13.50	0.00	38.50	23.00	0.00	42.00	27.50
28	0.00	25.00	11.50	0.00	30.00	14.00	0.00	39.00	23.50	0.40	42.50	27.50
29				0.00	32.00	15.00	0.00	39.50	24.00	0.00	39.00	26.00
30				0.00	34.00	17.00	0.00	38.00	23.00	0.80	38.00	24.00
31				0.00	35.00	17.50				0.00	37.00	23.00
Max.	0.00	25.00		7.60	35.00		0.40	41.00		0.80	42.50	
Min.	0.00		9.00	0.00		11.50	0.00		20.00	0.00		23.00
Monthly total	0.00			17.00			0.40			2.00		
Monthly Average		22.52	10.36		27.32	12.92		38.10	22.35		39.74	25.79

Daily Observed Meteorological Data												
Name of Site: Narora				Measuring Authority : MGD2				Code: GG000Q8				
Name of River / Tributary: Ganga								Year : 2016-17				
Month	Jun-16			Jul-16			Aug-16			Sep-16		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00			13.80			13.00			37.40		
2	0.00			13.40			0.00			0.00		
3	0.00			0.80			11.40			0.00		
4	0.00			0.00			0.00			0.00		
5	0.00			84.60			0.00			0.00		
6	0.00			6.40			3.40			0.00		
7	0.00			0.40			26.40			0.00		
8	0.00			0.00			0.00			0.00		
9	0.00			11.20			2.40			0.00		
10	0.60			1.00			5.00			0.00		
11	0.00			84.00			4.00			0.00		
12	0.00			3.60			12.80			0.00		
13	0.00			0.00			0.00			0.00		
14	10.80			0.40			0.00			0.00		
15	0.00			10.80			0.00			0.00		
16	0.00			45.60			0.00			3.20		
17	0.00			67.80			54.00			0.00		
18	0.00			11.40			1.60			0.00		
19	0.00			0.00			0.00			0.00		
20	4.60			6.80			0.00			0.00		
21	60.40			48.60			0.00			0.00		
22	0.00			3.20			0.00			0.00		
23	0.60			0.60			0.00			5.60		
24	0.00			0.00			0.00			0.00		
25	0.00			0.00			0.00			0.00		
26	0.00			0.40			12.40			0.00		
27	0.00			5.40			22.40			0.00		
28	36.40			3.40			0.00			0.00		
29	2.80			22.80			0.00			0.00		
30	0.00			0.60			0.00			0.00		
31				8.20			8.60					
Max.	60.40	0.00		84.60	0.00		54.00	0.00		37.40	0.00	
Min.	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00
Monthly total	116.20			455.20			177.40			46.20		
Monthly Average												

Daily Observed Meteorological Data												
Name of Site: Narora				Measuring Authority : MGD2				Code: GG000Q8				
Name of River / Tributary: Ganga								Year : 2016-17				
Month	Oct-16			Nov-16			Dec-16			Jan-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00			0.00			0.00			0.00		
2	0.00			0.00			0.00			0.00		
3	0.00			0.00			0.00			0.00		
4	0.00			0.00			0.00			0.00		
5	0.60			0.00			0.00			0.00		
6	12.60			0.00			0.00			0.00		
7	0.00			0.00			0.00			0.00		
8	0.00			0.00			0.00			7.20		
9	0.00			0.00			0.00			11.80		
10	0.00			0.00			0.00			0.00		
11	0.00			0.00			0.00			0.00		
12	0.00			0.00			0.00			0.00		
13	0.00			0.00			0.00			0.00		
14	0.00			0.00			0.00			0.00		
15	0.00			0.00			0.00			0.00		
16	0.00			0.00			0.00			0.00		
17	0.00			0.00			0.00			0.00		
18	0.00			0.00			0.00			0.00		
19	0.00			0.00			0.00			0.00		
20	0.00			0.00			0.00			0.00		
21	0.00			0.00			0.00			0.00		
22	0.00			0.00			0.00			0.00		
23	0.00			0.00			0.00			0.00		
24	0.00			0.00			0.00			0.00		
25	0.00			0.00			0.00			0.00		
26	0.00			0.00			0.00			0.00		
27	0.00			0.00			0.00			17.80		
28	0.00			0.00			0.00			1.40		
29	0.00			0.00			0.00			0.00		
30	0.00			0.00			0.00			0.00		
31	0.00						0.00			0.00		
Max.	12.60	0.00		0.00	0.00		0.00	0.00		17.80	0.00	
Min.	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00
Monthly total	13.20			0.00			0.00		0.00	38.20		
Monthly Average												

Daily Observed Meteorological Data												
Name of Site: Narora				Measuring Authority : MGD2				Code: GG000Q8				
Name of River / Tributary: Ganga								Year : 2016-17				
Month	Feb-17			Mar-17			Apr-17			May-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00			0.00			0.00			0.00		
2	0.00			8.20			0.00			0.00		
3	0.00			0.40			0.00			0.00		
4	0.00			0.00			0.00			0.00		
5	0.00			0.00			1.60			0.00		
6	0.00			0.00			0.00			0.00		
7	0.00			0.00			0.00			0.00		
8	0.00			0.00			0.00			0.00		
9	0.00			0.00			0.00			0.00		
10	0.00			5.00			0.00			0.00		
11	0.00			30.00			0.00			0.00		
12	0.00			0.00			0.00			0.00		
13	0.00			0.00			0.00			0.00		
14	0.00			0.00			0.00			0.00		
15	0.00			0.00			0.00			0.00		
16	0.00			0.00			0.00			0.00		
17	0.00			0.00			0.00			0.00		
18	0.00			0.00			0.00			0.00		
19	0.00			0.00			0.00			0.00		
20	0.00			0.00			0.00			0.00		
21	0.00			0.00			0.00			3.50		
22	0.00			0.00			0.00			0.00		
23	0.00			0.00			0.00			0.00		
24	0.00			0.00			0.00			0.00		
25	0.00			0.00			0.00			0.00		
26	0.00			0.00			0.00			0.00		
27	0.00			0.00			0.00			0.00		
28	0.00			0.00			0.00			0.00		
29	0.00			0.00			0.00			1.90		
30				0.00			0.00			0.00		
31				0.00						0.00		
Max.	0.00	0.00		30.00	0.00		1.60	0.00		5.70		
Min.	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00
Monthly total	0.00			43.60			1.60			11.10		
Monthly Average												

Daily Observed Meteorological Data												
Name of Site: Bhikiasen				Measuring Authority : MGD2				Code: GGXOOX7				
Name of River / Tributary: Ramganga								Year : 2016-17				
Month	Jun-16			Jul-16			Aug-16			Sep-16		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min			
1	0.00	34.00	25.00	0.00	36.00	29.00	65.00	28.00	25.00	0.00	30.00	25.00
2	0.00	35.00	28.00	3.00	32.00	27.00	2.00	27.00	24.00	0.00	32.00	25.00
3	0.00	36.00	26.00	34.00	29.00	25.00	0.00	30.00	25.00	0.00	33.00	26.00
4	0.00	36.00	28.00	7.00	29.00	26.00	0.00	32.00	25.00	0.00	33.00	25.00
5	0.00	38.00	29.00	8.00	30.00	27.00	0.00	35.00	28.00	0.00	33.00	26.00
6	14.00	38.00	26.00	0.00	33.00	28.00	14.00	35.00	28.00	0.00	33.00	26.00
7	0.00	35.00	25.00	0.00	31.00	27.00	0.00	32.00	27.00	0.00	33.00	25.00
8	0.00	32.00	25.00	0.00	32.00	28.00	0.00	32.00	28.00	0.00	33.00	26.00
9	0.00	33.00	25.00	0.00	34.00	27.00	0.00	33.00	27.00	0.00	33.00	25.00
10	0.00	34.00	26.00	4.00	33.00	27.00	35.00	32.00	26.00	0.00	33.00	25.00
11	0.00	35.00	26.00	0.00	34.00	28.00	7.00	30.00	25.00	4.00	33.00	26.00
12	0.00	36.00	29.00	0.00	33.00	28.00	30.00	28.00	25.00	0.00	31.00	26.00
13	5.00	37.00	28.00	0.00	32.00	28.00	0.00	31.00	25.00	10.00	32.00	25.00
14	12.00	35.00	26.00	20.00	33.00	27.00	0.00	33.00	26.00	0.00	31.00	24.00
15	0.00	34.00	27.00	10.00	30.00	26.00	0.00	32.00	26.00	0.00	32.00	24.00
16	0.00	34.00	26.00	35.00	32.00	25.00	0.00	34.00	27.00	0.00	32.00	24.00
17	16.00	32.00	25.00	65.80	27.00	25.00	33.00	30.00	26.00	0.00	32.00	24.00
18	0.00	33.00	25.00	50.00	31.00	24.00	15.00	31.00	25.00	0.00	32.00	23.00
19	0.00	35.00	27.00	3.00	29.00	25.00	0.00	31.00	26.00	0.00	32.00	23.00
20	0.00	35.00	28.00	0.00	32.00	27.00	12.00	34.00	27.00	0.00	32.00	24.00
21	0.00	34.00	27.00	0.00	33.00	24.00	3.00	32.00	26.00	0.00	32.00	24.00
22	13.00	33.00	25.00	0.00	32.00	27.00	0.00	31.00	26.00	0.00	32.00	24.00
23	0.00	33.00	26.00	33.00	28.00	25.00	45.00	32.00	26.00	0.00	25.00	17.00
24	0.00	35.00	26.00	6.00	29.00	25.00	0.00	32.00	26.00	0.00	32.00	22.00
25	0.00	35.00	27.00	0.00	33.00	25.00	0.00	32.00	25.00	0.00	32.00	24.00
26	0.00	34.00	27.00	7.00	35.00	28.00	0.00	33.00	26.00	0.00	32.00	23.00
27	0.00	33.00	26.00	3.00	29.00	25.00	5.00	32.00	25.00	0.00	32.00	22.00
28	0.00	34.00	28.00	8.00	30.00	26.00	0.00	32.00	25.00	0.00	32.00	23.00
29	0.00	33.00	29.00	0.00	31.00	27.00	0.00	34.00	27.00	0.00	33.00	23.00
30	0.00	33.00	29.00	5.00	28.00	26.00	0.00	32.00	26.00	0.00	32.00	22.00
31				0.00	30.00	26.00	3.00	32.00	26.00			
Max.	16.00	38.00		65.80	36.00		65.00	35.00		10.00	33.00	
Min.	0.00		25.00	0.00		24.00	0.00		24.00	0.00		17.00
Monthly total	60.00			301.80			269.00			14.00		
Monthly Average		34.47	26.67		31.29	26.39		31.74	25.97		31.97	24.03

Daily Observed Meteorological Data												
Name of Site: Bhikiasen				Measuring Authority : MGD2				Code: GGX00X7				
Name of River / Tributary: Ramganga								Year : 2016-17				
Month	Oct-16			Nov-16			Dec-16			Jan-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	32.00	22.00	0.00	28.00	14.00	0.00	23.00	10.00	0.00	19.00	8.00
2	0.00	32.00	22.00	0.00	28.00	14.00	0.00	21.00	10.00	0.00	19.00	8.00
3	0.00	33.00	23.00	0.00	27.00	14.00	0.00	22.00	10.00	0.00	19.00	7.00
4	0.00	32.00	24.00	0.00	27.00	14.00	0.00	22.00	10.00	0.00	19.00	6.00
5	0.00	31.00	23.00	0.00	27.00	13.00	0.00	21.00	10.00	0.00	19.00	6.00
6	0.00	30.00	22.00	0.00	25.00	12.00	0.00	21.00	10.00	0.00	19.00	6.00
7	0.00	30.00	22.00	0.00	25.00	12.00	0.00	21.00	9.00	3.00	19.00	7.00
8	0.00	32.00	22.00	0.00	26.00	12.00	0.00	21.00	9.00	15.00	12.00	6.00
9	0.00	32.00	22.00	0.00	24.00	11.00	0.00	21.00	9.00	0.00	15.00	6.00
10	0.00	31.00	20.00	0.00	24.00	12.00	0.00	20.00	9.00	0.00	16.00	6.00
11	0.00	29.00	18.00	0.00	24.00	12.00	0.00	20.00	9.00	0.00	15.00	5.00
12	0.00	29.00	18.00	0.00	24.00	12.00	0.00	20.00	9.00	0.00	14.00	3.00
13	0.00	29.00	18.00	0.00	24.00	13.00	0.00	20.00	9.00	0.00	15.00	4.00
14	0.00	30.00	19.00	0.00	24.00	11.00	0.00	20.00	8.00	0.00	15.00	4.00
15	0.00	30.00	18.00	0.00	24.00	10.00	0.00	19.00	7.00	0.00	16.00	5.00
16	0.00	30.00	19.00	0.00	22.00	9.00	0.00	19.00	7.00	0.00	16.00	5.00
17	0.00	29.00	18.00	0.00	22.00	9.00	0.00	19.00	7.00	0.00	16.00	5.00
18	0.00	29.00	16.00	0.00	22.00	9.00	0.00	19.00	7.00	0.00	15.00	6.00
19	0.00	29.00	15.00	0.00	22.00	9.00	0.00	20.00	8.00	0.00	15.00	6.00
20	0.00	28.00	15.00	0.00	22.00	8.00	0.00	20.00	7.00	0.00	16.00	6.00
21	0.00	28.00	15.00	0.00	22.00	8.00	0.00	20.00	6.00	0.00	15.00	6.00
22	0.00	28.00	15.00	0.00	23.00	9.00	0.00	19.00	6.00	0.00	15.00	7.00
23	0.00	28.00	15.00	0.00	22.00	9.00	0.00	19.00	7.00	0.00	17.00	9.00
24	0.00	28.00	16.00	0.00	23.00	9.00	0.00	20.00	8.00	0.00	19.00	10.00
25	0.00	28.00	16.00	0.00	23.00	9.00	0.00	20.00	9.00	0.00	20.00	9.00
26	0.00	28.00	14.00	0.00	24.00	9.00	0.00	18.00	8.00	0.00	22.00	11.00
27	0.00	28.00	15.00	0.00	24.00	9.00	0.00	19.00	6.00	15.00	21.00	10.00
28	0.00	28.00	15.00	0.00	24.00	9.00	0.00	19.00	6.00	0.00	19.00	9.00
29	0.00	28.00	15.00	0.00	23.00	9.00	0.00	19.00	7.00	0.00	17.00	10.00
30	0.00	28.00	14.00	0.00	23.00	9.00	0.00	19.00	7.00	0.00	18.00	10.00
31	0.00	28.00	14.00				0.00	19.00	8.00	0.00	20.00	12.00
Max.	0.00	33.00		0.00	28.00		0.00	23.00		15.00	22.00	
Min.	0.00		14.00	0.00		8.00	0.00		6.00	0.00		3.00
Monthly total	0.00			0.00			0.00			33.00		
Monthly Average		29.52	18.06		24.07	10.63		20.00	8.13		17.16	7.03

Daily Observed Meteorological Data												
Name of Site: Bhikiasen				Measuring Authority : MGD2				Code: GGX00X7				
Name of River / Tributary: Ramganga								Year : 2016-17				
Month	Feb-17			Mar-17			Apr-17			May-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min			
1	0.00	21.00	10.00	0.00	24.00	10.00	0.00	32.00	21.00	0.00	28.00	19.00
2	0.00	19.00	9.00	0.00	23.00	9.00	0.00	33.00	20.00	0.00	31.00	20.00
3	0.00	19.00	9.00	0.00	24.00	11.00	0.00	32.00	20.00	0.00	32.00	21.00
4	0.00	21.00	10.00	0.00	25.00	11.00	0.00	32.00	20.00	0.00	31.00	22.00
5	0.00	21.00	10.00	0.00	24.00	11.00	2.00	30.00	20.00	0.00	32.00	20.00
6	7.40	22.00	11.00	0.00	25.00	11.00	8.00	21.00	17.00	0.00	32.00	20.00
7	0.00	22.00	11.00	0.00	24.00	11.00	0.00	28.00	19.00	0.00	35.00	23.00
8	0.00	23.00	11.00	0.00	25.00	11.00	0.00	26.00	17.00	0.00	36.00	25.00
9	0.00	23.00	11.00	0.00	19.00	13.00	0.00	29.00	16.00	2.00	36.00	25.00
10	0.00	22.00	10.00	3.00	23.00	13.00	0.00	29.00	16.00	0.00	35.00	25.00
11	0.00	22.00	10.00	13.00	22.00	12.00	0.00	29.00	16.00	0.00	34.00	25.00
12	0.00	21.00	10.00	9.00	23.00	13.00	0.00	30.00	17.00	0.00	35.00	27.00
13	0.00	21.00	10.00	0.00	23.00	13.00	0.00	30.00	17.00	0.00	36.00	25.00
14	0.00	22.00	9.00	0.00	22.00	12.00	0.00	32.00	20.00	0.00	36.00	27.00
15	0.00	23.00	9.00	0.00	23.00	13.00	0.00	32.00	20.00	0.00	36.00	27.00
16	0.00	23.00	10.00	0.00	24.00	13.00	0.00	33.00	22.00	0.00	36.00	24.00
17	0.00	23.00	8.00	0.00	24.00	13.00	0.00	33.00	23.00	34.00	35.00	21.00
18	0.00	23.00	9.00	0.00	23.00	12.00	0.00	32.00	23.00	46.00	32.00	21.00
19	0.00	24.00	9.00	0.00	24.00	12.00	0.00	33.00	20.00	22.00	29.00	20.00
20	0.00	23.00	9.00	0.00	24.00	13.00	0.00	35.00	23.00	38.00	28.00	22.00
21	3.00	25.00	10.00	0.00	25.00	14.00	0.00	34.00	24.00	2.00	31.00	24.00
22	0.00	22.00	8.00	0.00	27.00	15.00	0.00	35.00	27.00	9.00	34.00	24.00
23	0.00	23.00	9.00	0.00	28.00	16.00	0.00	33.00	22.00	0.00	34.00	22.00
24	0.00	23.00	9.00	0.00	29.00	17.00	0.00	35.00	24.00	0.00	32.00	24.00
25	0.00	23.00	10.00	0.00	30.00	18.00	0.00	34.00	22.00	0.00	35.00	24.00
26	0.00	24.00	10.00	0.00	31.00	19.00	0.00	34.00	23.00	0.00	36.00	22.00
27	0.00	24.00	11.00	0.00	31.00	19.00	0.00	31.00	19.00	44.00	32.00	22.00
28	0.00	24.00	11.00	0.00	31.00	19.00	0.00	31.00	19.00	15.00	32.00	22.00
29				0.00	32.00	21.00	0.00	32.00	20.00	18.00	32.00	22.00
30				0.00	32.00	20.00	0.00	31.00	20.00	0.00	30.00	19.00
31				0.00	32.00	21.00				0.00	33.00	23.00
Max.	7.40	25.00		13.00	32.00		8.00	35.00		46.00	36.00	
Min.	0.00		8.00	0.00		9.00	0.00		16.00	0.00		19.00
Monthly total	10.40			25.00			10.00			230.00		
Monthly Average		22.36	9.75		25.68	14.06		31.37	20.23		33.10	22.81

Daily Observed Meteorological Data												
Name of Site: Kalagarh				Measuring Authority : MGD2				Code:GGHCOU3				
Name of River / Tributary: Ram Ganga								Year : 2016-17				
Month	Jun-16			Jul-16			Aug-16			Sep-16		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	39.00	28.00	1.00	29.00	38.00	14.00	32.00	27.00	6.40	32.00	23.00
2	0.00	39.00	28.00	70.60	28.00	39.00	0.00	34.00	25.00	0.00	33.00	23.00
3	0.00	40.00	29.00	2.60	28.00	38.00	2.00	35.00	24.00	0.00	34.00	24.00
4	0.00	40.00	30.00	1.20	28.00	38.00	0.00	36.00	23.00	0.00	34.00	24.00
5	0.00	40.00	30.00	0.00	27.00	37.00	0.00	37.00	23.00	0.00	33.00	23.00
6	0.20	41.00	30.00	32.00	28.00	38.00	81.00	38.00	22.00	0.00	34.00	24.00
7	6.60	39.00	28.00	0.00	29.00	38.00	8.20	36.00	23.00	0.00	34.00	23.00
8	9.80	38.00	28.00	0.00	27.00	37.00	0.00	35.00	24.00	0.00	34.00	23.00
9	0.00	39.00	29.00	0.00	28.00	38.00	0.00	34.00	25.00	3.00	33.00	24.00
10	0.00	39.00	28.00	0.00	28.00	38.00	8.80	35.00	26.00	0.00	33.00	23.00
11	0.00	40.00	29.00	3.80	27.00	37.00	0.00	35.00	25.00	0.00	34.00	24.00
12	0.00	40.00	28.00	3.60	26.00	37.00	3.00	36.00	24.00	0.00	34.00	24.00
13	0.00	40.00	29.00	0.00	27.00	38.00	0.00	33.00	25.00	72.40	32.00	22.00
14	0.00	39.00	29.00	0.00	27.00	38.00	0.00	36.00	26.00	0.00	31.00	21.00
15	0.00	41.00	30.00	0.00	27.00	38.00	0.00	32.00	25.00	0.00	32.00	21.00
16	68.80	38.00	28.00	14.00	26.00	37.00	0.00	33.00	26.00	0.00	33.00	21.00
17	15.60	39.00	29.00	36.40	25.00	36.00	10.20	31.00	27.00	0.00	33.00	22.00
18	0.00	39.00	29.00	36.40	25.00	36.00	11.00	32.00	25.00	0.00	34.00	23.00
19	83.60	40.00	28.00	0.00	24.00	34.00	0.00	33.00	26.00	0.00	34.00	23.00
20	1.40	40.00	29.00	0.00	26.00	36.00	18.60	35.00	24.00	0.00	33.00	23.00
21	0.00	39.00	28.00	0.00	27.00	37.00	0.00	36.00	23.00	0.00	33.00	22.00
22	53.40	38.00	28.00	39.40	26.00	35.00	0.00	33.00	24.00	16.40	32.00	21.00
23	0.00	39.00	29.00	124.60	24.00	34.00	2.00	34.00	25.00	2.00	32.00	21.00
24	0.00	40.00	30.00	9.00	24.00	35.00	0.00	35.00	26.00	0.00	32.00	22.00
25	4.60	41.00	30.00	0.00	25.00	36.00	0.00	36.00	24.00	0.00	31.00	21.00
26	0.00	40.00	29.00	10.60	26.00	36.00	0.00	36.00	23.00	3.80	31.00	22.00
27	0.00	40.00	29.00	0.00	24.00	35.00	0.00	35.00	24.00	1.80	32.00	22.00
28	0.00	41.00	30.00	2.20	25.00	35.00	0.00	36.00	25.00	0.00	32.00	21.00
29	0.00	40.00	29.00	0.00	25.00	36.00	0.00	37.00	24.00	0.00	33.00	21.00
30	0.00	39.00	29.00	0.00	26.00	35.00	0.00	33.00	26.00	0.00	33.00	21.00
31				0.00	23.00	34.00	0.00	32.00	26.00			
Max.	83.60	41.00		124.60	29.00		81.00	38.00		72.40	34.00	
Min.	0.00		28.00	0.00		34.00	0.00		22.00	0.00		21.00
Monthly total	244.00			387.40			158.80			105.80		
Monthly Average		39.57	28.90		26.29	36.58		34.55	24.68		32.83	22.40

Daily Observed Meteorological Data												
Name of Site: Kalagarh				Measuring Authority : MGD2				Code:GGHCOU3				
Name of River / Tributary: Ram Ganga								Year : 2016-17				
Month	Oct-16			Nov-16			Dec-16			Jan-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	32.00	21.00	0.00	29.00	19.00	0.00	24.00	16.00	0.00	21.00	12.00
2	0.00	33.00	22.00	0.00	28.00	18.00	0.00	24.00	16.00	0.00	20.00	11.00
3	0.00	33.00	22.00	0.00	28.00	19.00	0.00	24.00	15.00	0.00	20.00	11.00
4	0.00	32.00	21.00	0.00	29.00	20.00	0.00	24.00	15.00	0.00	21.00	12.00
5	0.00	33.00	23.00	0.00	29.00	18.00	0.00	23.00	14.00	0.00	22.00	12.00
6	0.00	33.00	23.00	0.00	28.00	18.00	0.00	22.00	13.00	0.00	21.00	12.00
7	0.00	32.00	21.00	0.00	28.00	18.00	0.00	22.00	13.00	17.40	23.00	12.00
8	0.00	32.00	22.00	0.00	27.00	17.00	0.00	23.00	14.00	13.60	22.00	11.00
9	0.00	31.00	22.00	0.00	27.00	18.00	0.00	21.00	12.00	0.00	20.00	10.00
10	0.00	31.00	21.00	0.00	27.00	18.00	0.00	21.00	13.00	0.00	19.00	10.00
11	0.00	30.00	20.00	0.00	28.00	18.00	0.00	22.00	12.00	0.00	18.00	9.00
12	0.00	30.00	20.00	0.00	28.00	17.00	0.00	22.00	12.00	0.00	16.00	8.00
13	0.00	31.00	20.00	0.00	27.00	17.00	0.00	21.00	11.00	0.00	17.00	8.00
14	0.00	31.00	21.00	0.00	26.00	17.00	0.00	21.00	11.00	0.00	18.00	9.00
15	0.00	31.00	21.00	0.00	26.00	18.00	0.00	21.00	13.00	0.00	18.00	9.00
16	0.00	30.00	20.00	0.00	27.00	17.00	0.00	21.00	11.00	0.00	17.00	8.00
17	0.00	30.00	20.00	0.00	27.00	18.00	0.00	22.00	11.00	0.00	16.00	7.00
18	0.00	30.00	19.00	0.00	26.00	17.00	0.00	22.00	11.00	0.00	15.00	7.00
19	0.00	29.00	19.00	0.00	25.00	16.00	0.00	21.00	13.00	0.00	16.00	8.00
20	0.00	29.00	19.00	0.00	25.00	15.00	0.00	20.00	12.00	0.00	17.00	8.00
21	0.00	30.00	19.00	0.00	24.00	14.00	0.00	20.00	12.00	0.00	18.00	8.00
22	0.00	30.00	19.00	0.00	24.00	14.00	0.00	22.00	13.00	0.00	19.00	9.00
23	0.00	30.00	18.00	0.00	25.00	14.00	0.00	23.00	14.00	0.00	19.00	10.00
24	0.00	29.00	19.00	0.00	25.00	14.00	0.00	23.00	12.00	0.00	20.00	11.00
25	0.00	29.00	18.00	0.00	26.00	15.00	0.00	23.00	13.00	0.00	21.00	12.00
26	0.00	30.00	19.00	0.00	25.00	16.00	1.60	21.00	11.00	0.00	21.00	12.00
27	0.00	30.00	19.00	0.00	26.00	16.00	0.00	22.00	12.00	12.60	22.00	12.00
28	0.00	29.00	19.00	0.00	25.00	18.00	0.00	22.00	12.00	3.60	21.00	11.00
29	0.00	29.00	18.00	0.00	25.00	18.00	0.00	20.00	11.00	0.00	22.00	11.00
30	0.00	30.00	19.00	0.00	24.00	17.00	0.00	19.00	11.00	0.00	21.00	12.00
31	0.00	30.00	18.00				0.00	20.00	12.00	0.00	20.00	12.00
Max.	0.00	33.00		0.00	29.00		1.60	24.00		17.40	23.00	
Min.	0.00		18.00	0.00		14.00	0.00		11.00	0.00		7.00
Monthly total	0.00			0.00			1.60			47.20		
Monthly Average		30.61	20.06		26.47	16.97		21.81	12.61		19.39	10.13

Daily Observed Meteorological Data												
Name of Site: Kalagarh				Measuring Authority : MGD2				Code:GGHCOU3				
Name of River / Tributary: Ram Ganga								Year : 2016-17				
Month	Feb-17			Mar-17			Apr-17			May-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	20.00	13.00	0.00	28.00	17.00	0.00	32.00	20.00	0.00	38.00	22.00
2	0.00	21.00	14.00	1.00	28.00	17.00	0.00	33.00	19.00	0.00	37.00	22.00
3	0.00	21.00	15.00	0.00	27.00	17.00	0.00	33.00	19.00	0.00	38.00	23.00
4	0.00	22.00	15.00	0.00	28.00	18.00	0.00	32.00	18.00	0.00	38.00	23.00
5	0.00	22.00	15.00	0.00	28.00	18.00	0.00	32.00	18.00	0.00	37.00	22.00
6	2.00	21.00	14.00	0.00	28.00	17.00	0.00	31.00	19.00	0.00	36.00	21.00
7	0.00	21.00	14.00	0.00	29.00	17.00	3.40	31.00	17.00	0.00	37.00	22.00
8	0.00	22.00	15.00	0.00	27.00	16.00	0.00	32.00	18.00	0.00	36.00	21.00
9	0.00	22.00	15.00	0.00	26.00	16.00	0.00	33.00	19.00	0.00	38.00	23.00
10	0.00	21.00	14.00	0.00	26.00	17.00	0.00	34.00	19.00	0.00	38.00	23.00
11	0.00	22.00	14.00	8.00	27.00	17.00	0.00	33.00	18.00	0.00	39.00	23.00
12	0.00	22.00	15.00	3.60	25.00	16.00	0.00	33.00	19.00	0.00	38.00	21.00
13	0.00	23.00	16.00	0.00	25.00	16.00	0.00	34.00	20.00	0.00	40.00	22.00
14	0.00	23.00	16.00	0.00	26.00	16.00	0.00	34.00	20.00	0.00	40.00	22.00
15	0.00	23.00	16.00	0.00	27.00	17.00	0.00	33.00	20.00	0.00	39.00	20.00
16	0.00	24.00	17.00	0.00	27.00	17.00	0.00	34.00	21.00	0.00	39.00	20.00
17	0.00	24.00	16.00	0.00	28.00	17.00	0.00	35.00	21.00	0.00	41.00	24.00
18	0.00	24.00	16.00	0.00	28.00	18.00	0.00	36.00	22.00	0.00	41.00	25.00
19	0.00	25.00	16.00	0.00	27.00	18.00	0.00	37.00	23.00	0.00	40.00	23.00
20	0.00	25.00	15.00	0.00	27.00	17.00	0.00	37.00	23.00	0.00	41.00	25.00
21	10.60	25.00	16.00	0.00	28.00	18.00	0.00	38.00	24.00	0.00	38.00	23.00
22	0.00	24.00	16.00	0.00	28.00	18.00	1.00	37.00	22.00	0.00	37.00	23.00
23	0.00	25.00	16.00	0.00	29.00	19.00	0.00	38.00	22.00	0.00	37.00	23.00
24	0.00	24.00	15.00	0.00	29.00	19.00	0.00	39.00	23.00	0.00	38.00	24.00
25	0.00	24.00	15.00	0.00	30.00	19.00	0.00	38.00	23.00	0.00	39.00	24.00
26	0.00	25.00	17.00	0.00	30.00	20.00	0.00	39.00	22.00	0.00	40.00	23.00
27	0.00	26.00	16.00	0.00	30.00	20.00	0.00	38.00	22.00	0.00	39.00	23.00
28	0.00	26.00	17.00	0.00	31.00	21.00	0.00	38.00	23.00	0.00	38.00	22.00
29				0.00	32.00	21.00	0.00	39.00	23.00	0.00	36.00	23.00
30				0.00	33.00	21.00	0.00	39.00	23.00			
31				0.00	33.00	22.00				4.40	35.00	23.00
Max.	10.60	26.00		8.00	33.00		3.40	39.00		10.40	41.00	
Min.	0.00		13.00	0.00		16.00	0.00		17.00	0.00		20.00
Monthly total	12.60			12.60			4.40			14.80		
Monthly Average		23.11	15.32		28.23	17.97		35.07	20.67		38.23	22.58

Daily Observed Meteorological Data												
Name of Site: Moradabad				Measuring Authority : MGD2					Code: GGH50F3			
Name of River / Tributary: Gangan									Year : 2016-17			
Month	Jun-16			Jul-16			Aug-16			Sep-16		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1		38.00	26.00		35.00	22.00		32.00	27.00		32.00	27.00
2		39.00	26.00		34.00	24.00		34.00	25.00		35.00	24.00
3		39.00	26.00		34.00	25.00		35.00	24.00		33.00	25.00
4		39.00	28.00		35.00	26.00		36.00	23.00		35.00	27.00
5		40.00	28.00		36.00	26.00		37.00	23.00		35.00	25.00
6		39.00	29.00		34.00	25.00		38.00	22.00		34.00	27.00
7		38.00	28.00		33.00	25.00		36.00	23.00		35.00	24.00
8		37.00	29.00		33.00	24.00		35.00	24.00		34.00	25.00
9		38.00	28.00		33.00	24.00		34.00	25.00		35.00	26.00
10		38.00	29.00		35.00	24.00		35.00	26.00		34.00	26.00
11		39.00	28.00		36.00	23.00		35.00	25.00		33.00	27.00
12		38.00	27.00		35.00	21.00		36.00	24.00		35.00	26.00
13		38.00	25.00		34.00	22.00		33.00	25.00		35.00	27.00
14		36.00	25.00		33.00	23.00		36.00	26.00		34.00	25.00
15		37.00	24.00		34.00	21.00		32.00	25.00		35.00	26.00
16		39.00	28.00		34.00	21.00		33.00	26.00		34.00	24.00
17		40.00	27.00		33.00	22.00		31.00	27.00		35.00	26.00
18		34.00	23.00		31.00	20.00		32.00	25.00		33.00	25.00
19		35.00	22.00		32.00	21.00		33.00	26.00		34.00	25.00
20		34.00	21.00		33.00	22.00		35.00	24.00		33.00	25.00
21		33.00	21.00		34.00	24.00		36.00	23.00		35.00	24.00
22		34.00	21.00		32.00	26.00		33.00	24.00		32.00	26.00
23		35.00	25.00		32.00	27.00		34.00	25.00		35.00	24.00
24		35.00	26.00		34.00	25.00		35.00	26.00		33.00	27.00
25		36.00	25.00		32.00	26.00		36.00	24.00		33.00	25.00
26		38.00	23.00		34.00	27.00		36.00	23.00		34.00	26.00
27		35.00	25.00		33.00	26.00		35.00	24.00		36.00	24.00
28		34.00	22.00		34.00	25.00		36.00	25.00		35.00	25.00
29		35.00	23.00		35.00	26.00		37.00	24.00		34.00	24.00
30		38.00	22.00		33.00	27.00		33.00	26.00		33.00	24.00
31					33.00	26.00		32.00	26.00			
Max.	0.00	40.00		0.00	36.00		0.00	38.00		0.00	36.00	
Min.	0.00		21.00	0.00		20.00	0.00		22.00	0.00		24.00
Monthly total	0.00			0.00			0.00			0.00		
Monthly Average		36.93	25.33		33.65	24.06		34.55	24.68		34.10	25.37

Daily Observed Meteorological Data												
Name of Site: Moradabad				Measuring Authority : MGD2				Code: GGHSOF3				
Name of River / Tributary: Gangan								Year : 2016-17				
Month	Oct-16			Nov-16			Dec-16			Jan-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1		34.00	26.00		30.00	20.00		23.00	15.00		24.00	11.00
2		36.00	24.00		31.00	22.00		22.00	14.00		23.00	10.00
3		35.00	25.00		32.00	21.00		21.00	12.00		24.00	10.00
4		34.00	26.00		30.00	19.00		23.00	13.00		24.00	10.00
5		33.00	26.00		32.00	18.00		24.00	12.00		23.00	11.00
6		34.00	25.00		31.00	19.00		25.00	12.00		22.00	10.00
7		35.00	26.00		32.00	20.00		25.00	13.00		21.00	9.00
8		34.00	25.00		32.00	18.00		24.00	13.00		20.00	10.00
9		33.00	25.00		30.00	19.00		24.00	12.00		20.00	10.00
10		33.00	24.00		30.00	18.00		25.00	12.00		19.00	9.00
11		34.00	25.00		29.00	17.00		24.00	12.00		18.00	8.00
12		33.00	24.00		28.00	16.00		25.00	12.00		17.00	8.00
13		33.00	25.00		30.00	16.00		24.00	12.00		16.00	7.00
14		32.00	23.00		30.00	15.00		25.00	13.00		18.00	8.00
15		33.00	22.00		30.00	16.00		25.00	12.00		17.00	8.00
16		33.00	23.00		30.00	18.00		24.00	12.00		16.00	9.00
17		32.00	22.00		29.00	15.00		24.00	12.00		17.00	8.00
18		31.00	24.00		30.00	16.00		24.00	11.00		17.00	7.00
19		32.00	23.00		28.00	15.00		23.00	11.00		17.00	6.00
20		32.00	21.00		27.00	14.00		25.00	11.00		17.00	5.00
21		32.00	22.00		26.00	13.00		24.00	10.00		17.00	6.00
22		31.00	21.00		26.00	14.00		24.00	9.00		17.00	7.00
23		32.00	22.00		26.00	14.00		23.00	9.00		18.00	8.00
24		33.00	21.00		25.00	15.00		23.00	10.00		19.00	8.00
25		32.00	20.00		24.00	15.00		24.00	10.00		19.00	7.00
26		34.00	21.00		23.00	14.00		24.00	11.00		22.00	10.00
27		33.00	24.00		23.00	15.00		23.00	10.00		24.00	11.00
28		33.00	20.00		24.00	14.00		23.00	10.00		24.00	12.00
29		33.00	19.00		23.00	14.00		24.00	12.00		24.00	10.00
30		32.00	19.00		23.00	13.00		23.00	10.00		23.00	9.00
31		31.00	18.00					24.00	12.00		22.00	10.00
Max.	0.00	36.00		0.00	32.00		0.00	25.00		0.00	24.00	
Min.	0.00		18.00	0.00		13.00	0.00		9.00	0.00		5.00
Monthly total	0.00			0.00			0.00			0.00		
Monthly Average		32.97	22.94		28.13	16.43		23.81	11.58		19.97	8.77

Daily Observed Meteorological Data												
Name of Site: Moradabad				Measuring Authority : MGD2				Code: GGHS0F3				
Name of River / Tributary: Gangan								Year : 2016-17				
Month	Feb-17			Mar-17			Apr-17			May-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1		24.00	12.00		29.00	13.00						
2		25.00	10.00		29.00	13.00						
3		25.00	12.00		28.00	14.00						
4		24.00	11.00		29.00	13.00						
5		23.00	10.00		28.00	14.00						
6		24.00	1.00		29.00	13.00						
7		25.00	14.00		30.00	13.00						
8		24.00	13.00		30.00	14.00						
9		23.00	10.00		30.00	13.00						
10		25.00	12.00		28.00	14.00						
11		25.00	10.00		27.00	15.00						
12		24.00	10.00		28.00	15.00						
13		24.00	10.00		28.00	14.00						
14		26.00	14.00		29.00	13.00						
15		26.00	12.00		30.00	12.00						
16		25.00	11.00		30.00	14.00						
17		25.00	10.00		30.00	13.00						
18		25.00	11.00		30.00	16.00						
19		27.00	10.00		30.00	15.00						
20		28.00	10.00		30.00	14.00						
21		28.00	11.00		31.00	15.00						
22		28.00	13.00		32.00	15.00						
23		29.00	15.00		34.00	14.00						
24		28.00	17.00		35.00	15.00						
25		26.00	16.00		36.00	16.00						
26		28.00	17.00		35.00	15.00						
27		30.00	16.00		35.00	15.00						
28		30.00	16.00		34.00	14.00						
29		30.00	10.00		35.00	16.00						
30					35.00	16.00						
31					36.00	15.00						
Max.	0.00	30.00		0.00	36.00		0.00	0.00		0.00	0.00	
Min.	0.00		1.00	0.00		12.00	0.00		0.00	0.00		0.00
Monthly total	0.00			0.00			0.00			0.00		
Monthly Average		26.00	11.86		30.97	14.23		#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!

Daily Observed Meteorological Data												
Name of Site: Moradabad				Measuring Authority : MGD2					Code: GGHOOF2			
Name of River / Tributary: Ramganga									Year : 2016-17			
Month	Jun-16			Jul-16			Aug-16			Sep-16		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	36.00	24.00	16.60	36.00	28.00	5.20	26.00	24.00	175.60	34.00	26.00
2	0.00	34.00	23.00	71.00	30.00	25.00	0.00	28.00	25.00	3.40	36.00	24.00
3	0.00	36.00	26.00	2.20	33.00	25.00	0.00	31.00	25.00	0.00	33.00	25.00
4	0.00	37.00	28.00	0.00	30.00	26.00	0.00	35.00	28.00	0.00	32.00	24.00
5	0.00	39.00	27.00	22.80	30.00	26.00	0.00	37.00	30.00	0.00	32.00	22.00
6	0.00	40.00	28.00	6.60	30.00	26.00	6.60	36.00	32.00	0.00	32.00	22.00
7	8.00	38.00	27.00	20.00	30.00	24.00	100.40	31.00	26.00	0.00	32.00	22.00
8	0.00	36.00	26.00	0.00	32.00	28.00	0.00	32.00	30.00	0.00	31.00	26.00
9	0.00	34.00	24.00	0.00	29.00	27.00	0.00	35.00	29.00	0.00	32.00	24.00
10	0.00	35.00	28.00	7.20	32.00	28.00	8.20	35.00	27.00	0.00	32.00	22.00
11	0.00	37.00	26.00	126.40	30.00	26.00	19.60	31.00	26.00	0.00	32.00	24.00
12	0.00	36.00	24.00	4.60	30.00	25.00	22.60	30.00	26.00	0.00	33.00	22.00
13	0.00	40.00	28.00	0.00	32.00	26.00	1.20	31.00	24.00	0.00	34.00	24.00
14	3.40	32.00	21.00	0.00	32.00	25.00	0.00	30.00	23.00	0.00	36.00	23.00
15	0.00	36.00	24.00	0.00	32.00	28.00	0.00	32.00	27.00	0.00	36.00	24.00
16	59.60	34.00	21.00	0.00	32.00	29.00	4.40	30.00	22.00	0.00	32.00	25.00
17	2.00	34.00	26.00	18.60	29.00	26.00	19.60	30.00	24.00	0.00	35.00	22.00
18	0.00	36.00	24.00	50.80	29.00	25.00	0.00	31.00	22.00	0.00	32.00	24.00
19	0.00	38.00	23.00	0.00	30.00	26.00	0.00	36.00	30.00	0.00	34.00	26.00
20	0.00	37.00	23.00	0.00	30.00	29.00	0.00	35.00	23.00	0.00	35.00	22.00
21	0.00	36.00	23.00	0.00	31.00	29.00	0.00	35.00	28.00	0.00	36.00	26.00
22	8.40	34.00	23.00	70.40	30.00	26.00	0.00	37.00	26.00	45.60	30.00	24.00
23	0.00	34.00	24.00	134.40	26.00	24.00	8.00	31.00	26.00	0.00	31.00	25.00
24	0.00	36.00	27.00	3.60	28.00	24.00	0.00	32.00	23.00	0.00	35.00	27.00
25	7.20	36.00	29.00	0.00	30.00	26.00	0.00	37.00	27.00	0.00	36.00	24.00
26	0.00	36.00	28.00	0.00	30.00	26.00	0.00	36.00	28.00	0.00	32.00	22.00
27	45.80	36.00	26.00	13.20	28.00	24.00	0.00	34.00	28.00	0.00	34.00	23.00
28	0.00	37.00	28.00	2.80	28.00	21.00	0.00	36.00	29.00	0.00	33.00	22.00
29	0.00	34.00	27.00	9.60	29.00	25.00	0.00	38.00	30.00	0.00	32.00	24.00
30	0.00	36.00	28.00	12.60	28.00	25.00	0.00	34.00	28.00	0.00	35.00	25.00
31				0.00	28.00	24.00	2.60	36.00	24.00			
Max.	59.60	40.00		134.40	36.00		100.40	38.00		175.60	36.00	
Min.	0.00		21.00	0.00		21.00	0.00		22.00	0.00		22.00
Monthly total	134.40			593.40			198.40			224.60		
Monthly Average		36.07	25.47		30.13	25.87		33.16	26.45		33.30	23.83

Daily Observed Meteorological Data												
Name of Site: Moradabad				Measuring Authority : MGD2					Code: GGHOOF2			
Name of River / Tributary: Ramganga									Year : 2016-17			
Month	Oct-16			Nov-16			Dec-16			Jan-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min			
1	0.00	35.00	26.00	0.00	29.00	20.00	0.00	23.00	12.00	0.00	26.00	16.00
2	0.00	36.00	23.00	0.00	31.00	21.00	0.00	28.00	16.00	0.00	27.00	14.00
3	0.00	34.00	24.00	0.00	32.00	20.00	0.00	26.00	15.00	0.00	27.00	13.00
4	0.00	35.00	26.00	0.00	32.00	21.00	0.00	27.00	14.00	0.00	28.00	14.00
5	0.00	34.00	23.00	0.00	28.00	20.00	0.00	27.00	13.00	0.00	25.00	12.00
6	1.40	35.00	27.00	0.00	27.00	20.00	0.00	24.00	12.00	0.00	23.00	11.00
7	0.00	32.00	26.00	0.00	26.00	22.00	0.00	22.00	13.00	6.40	21.00	11.00
8	0.00	33.00	19.00	0.00	27.00	21.00	0.00	21.00	12.00	0.00	22.00	9.00
9	0.00	34.00	22.00	0.00	26.00	22.00	0.00	20.00	14.00	0.00	25.00	13.00
10	0.00	35.00	21.00	0.00	28.00	23.00	0.00	22.00	12.00	0.00	21.00	9.00
11	0.00	34.00	23.00	0.00	30.00	21.00	0.00	24.00	13.00	0.00	20.00	11.00
12	0.00	32.00	19.00	0.00	32.00	23.00	0.00	26.00	15.00	0.00	21.00	10.00
13	0.00	31.00	20.00	0.00	31.00	20.00	0.00	27.00	16.00	0.00	18.50	6.00
14	0.00	32.00	21.00	0.00	33.00	22.00	0.00	25.00	14.00	0.00	20.00	10.00
15	0.00	32.00	20.00	0.00	28.00	20.00	0.00	22.00	15.00	0.00	21.00	8.00
16	0.00	34.00	22.00	0.00	28.00	22.00	0.00	23.00	14.00	0.00	25.00	12.00
17	0.00	34.00	23.00	0.00	30.00	23.00	0.00	21.00	12.00	0.00	22.00	10.00
18	0.00	33.00	21.00	0.00	27.00	18.00	0.00	23.00	15.00	0.00	24.00	9.00
19	0.00	30.00	22.00	0.00	26.00	15.00	0.00	28.00	16.00	0.00	20.00	10.00
20	0.00	32.00	21.00	0.00	27.00	16.00	0.00	24.00	16.00	0.00	21.00	9.00
21	0.00	30.00	20.00	0.00	28.00	16.00	0.00	27.00	12.00	0.00	22.00	6.00
22	0.00	31.00	22.00	0.00	29.00	17.00	0.00	26.00	16.00	0.00	23.00	10.00
23	0.00	33.00	20.00	0.00	28.00	18.00	0.00	26.00	14.00	0.00	25.00	12.00
24	0.00	32.00	21.00	0.00	32.00	15.00	0.00	28.00	14.00	0.00	24.00	11.00
25	0.00	32.00	21.00	0.00	29.00	15.00	0.00	27.00	16.00	0.00	28.00	10.00
26	0.00	32.00	22.00	0.00	28.00	16.00	0.00	27.00	17.00	0.00	25.00	12.00
27	0.00	30.00	21.00	0.00	25.00	14.00	0.00	23.00	19.00	13.00	22.00	10.00
28	0.00	30.00	20.00	0.00	26.00	16.00	0.00	21.00	13.00	2.40	21.00	10.00
29	0.00	31.00	21.00	0.00	30.00	15.00	0.00	21.00	13.00	0.00	21.00	9.00
30	0.00	31.00	20.00	0.00	27.00	14.00	0.00	25.00	11.00	0.00	18.00	10.00
31	0.00	30.00	20.00				0.00	25.00	12.00	0.00	21.00	9.00
Max.	1.40	36.00		0.00	33.00		0.00	28.00		13.00	28.00	
Min.	0.00		19.00	0.00		14.00	0.00		11.00	0.00		6.00
Monthly total	1.40			0.00			0.00			21.80		
Monthly Average		32.55	21.84		28.67	18.80		24.48	14.06		22.82	10.52

Daily Observed Meteorological Data												
Name of Site: Moradabad				Measuring Authority : MGD2				Code: GGHOOF2				
Name of River / Tributary: Ramganga								Year : 2016-17				
Month	Feb-17			Mar-17			Apr-17			May-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	24.00	11.00	2.40	26.00	19.00	0.00	35.00	20.00	0.00	35.00	25.00
2	0.00	21.00	11.00	0.00	29.00	19.00	0.00	36.00	19.00	0.00	37.00	28.00
3	0.00	23.00	11.00	0.00	27.00	20.00	0.00	38.00	20.00	0.00	38.00	26.00
4	0.00	22.00	11.00	0.00	26.00	16.00	0.00	35.00	18.00	0.00	36.00	27.00
5	0.00	21.00	10.00	0.00	25.00	17.00	0.00	33.00	16.00	0.00	37.00	26.00
6	0.00	22.00	10.00	0.00	27.00	16.00	0.00	34.00	18.00	0.00	37.00	27.00
7	0.00	23.00	11.00	0.00	27.00	17.00	0.00	32.00	20.00	0.00	36.00	28.00
8	0.00	22.00	10.00	0.00	26.00	16.00	0.00	31.00	17.00	0.00	38.00	29.00
9	0.00	26.00	13.00	7.40	26.00	15.00	0.00	34.00	19.00	0.00	37.00	27.00
10	0.00	21.00	11.00	1.20	25.00	11.00	0.00	32.00	20.00	0.00	35.00	28.00
11	0.00	24.00	13.00	0.00	25.00	13.00	0.00	35.00	20.00	0.00	34.00	25.00
12	0.00	25.00	13.00	4.20	25.00	10.00	0.00	33.00	18.00	0.00	37.00	28.00
13	0.00	26.00	15.00	0.00	25.00	10.00	0.00	36.00	19.00	0.00	36.00	29.00
14	0.00	26.00	14.00	0.00	26.00	15.00	0.00	35.00	20.00	0.00	35.00	27.00
15	0.00	30.00	21.00	0.00	24.00	15.00	0.00	36.00	20.00	0.00	38.00	29.00
16	0.00	26.00	18.00	0.00	26.00	16.00	0.00	34.00	18.00	0.00	42.00	28.00
17	0.00	27.00	17.00	0.00	28.00	17.00	0.00	37.00	21.00	0.00	38.00	27.00
18	0.00	26.00	17.00	0.00	28.00	18.00	0.00	39.00	27.00	0.00	39.00	28.00
19	0.00	25.00	16.00	0.00	26.00	16.00	0.00	36.00	27.00	0.00	38.00	26.00
20	0.00	27.00	18.00	0.00	28.00	18.00	0.00	39.00	25.00	0.00	36.00	28.00
21	0.00	29.00	20.00	0.00	28.00	19.00	0.00	35.00	21.00	0.00	37.00	29.00
22	0.00	26.00	19.00	0.00	23.00	19.00	0.00	37.00	22.00	6.40	36.00	30.00
23	0.00	25.00	16.00	0.00	31.00	21.00	0.00	35.00	22.00	0.00	33.00	28.00
24	0.00	24.00	17.00	0.00	32.00	19.00	0.00	35.00	25.00	0.00	36.00	29.00
25	0.00	25.00	15.00	0.00	32.00	21.00	0.00	37.00	26.00	0.00	38.00	30.00
26	0.00	28.00	12.00	0.00	31.00	21.00	0.00	35.00	28.00	0.00	37.00	28.00
27	0.00	27.00	14.00	0.00	32.00	18.00	0.00	36.00	27.00	0.00	37.00	28.00
28	0.00	26.00	16.00	0.00	33.00	18.00	0.00	35.00	26.00	0.00	35.00	29.00
29				0.00	34.00	21.00	0.00	36.00	28.00	16.80	36.00	26.00
30				0.00	35.00	22.00	0.00	35.00	27.00	0.00	32.00	25.00
31				0.00	33.00	18.00				0.00	35.00	27.00
Max.	0.00	30.00		7.40	35.00		0.00	39.00		16.80	42.00	
Min.	0.00		10.00	0.00		10.00	0.00		16.00	0.00		25.00
Monthly total	0.00			15.20			0.00			23.20		
Monthly Average		24.89	14.29		28.03	17.13		35.27	21.80		36.48	27.58

Daily Observed Meteorological Data												
Name of Site: Rampur				Measuring Authority : MGD2					Code: GGH60B2			
Name of River / Tributary: Kosi									Year : 2016-17			
Month	Jun-16			Jul-16			Aug-16			Sep-16		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	37.00	24.00	0.00	36.00	25.00	4.00	28.00	24.00	18.00	31.00	26.00
2	0.00	38.00	25.00	42.00	34.00	26.00	0.00	31.00	24.00	0.00	30.00	25.00
3	0.00	38.00	26.00	0.00	30.00	24.00	0.00	32.00	25.00	0.00	32.00	26.00
4	0.00	38.00	27.00	7.00	30.00	25.00	0.00	33.00	26.00	0.00	32.00	26.00
5	0.00	40.00	28.00	0.00	31.00	25.00	0.00	33.00	25.00	0.00	32.00	25.00
6	0.00	38.00	28.00	1.00	30.00	24.00	0.00	34.00	26.00	0.00	32.00	24.00
7	2.00	36.00	26.00	0.00	29.00	23.00	0.00	34.00	25.00	0.00	33.00	26.00
8	0.00	37.00	27.00	0.00	28.00	23.00	0.00	35.00	26.00	0.00	32.00	26.00
9	0.00	37.00	27.00	10.00	30.00	25.00	0.00	33.00	25.00	0.00	32.00	26.00
10	0.00	37.00	28.00	0.00	30.00	25.00	5.00	33.00	26.00	0.00	31.00	25.00
11	0.00	38.00	28.00	16.00	32.00	26.00	0.00	32.00	25.00	0.00	33.00	26.00
12	0.00	40.00	28.00	0.00	32.00	25.00	8.00	31.00	25.00	0.00	33.00	26.00
13	0.00	39.00	27.00	0.00	33.00	26.00	0.00	31.00	24.00	11.00	32.00	25.00
14	0.00	40.00	30.00	0.00	36.00	25.00	0.00	32.00	23.00	0.00	31.00	24.00
15	29.00	40.00	28.00	0.00	36.00	24.00	0.00	32.00	23.00	0.00	31.00	24.00
16	51.00	38.00	26.00	0.00	33.00	23.00	0.00	34.00	24.00	0.00	32.00	25.00
17	0.00	39.00	26.00	10.00	32.00	22.00	8.00	32.00	25.00	0.00	31.00	24.00
18	0.00	35.00	25.00	12.00	32.00	22.00	0.00	32.00	26.00	0.00	34.00	25.00
19	0.00	36.00	27.00	0.00	31.00	24.00	0.00	33.00	26.00	0.00	32.00	26.00
20	0.00	37.00	26.00	0.00	33.00	26.00	0.00	34.00	27.00	0.00	32.00	25.00
21	0.00	35.00	26.00	0.00	35.00	25.00	0.00	35.00	25.00	0.00	33.00	25.00
22	4.00	37.00	26.00	12.00	33.00	24.00	0.00	36.00	26.00	10.00	31.00	24.00
23	0.00	35.00	25.00	8.00	30.00	23.00	0.00	33.00	24.00	0.00	32.00	25.00
24	0.00	37.00	26.00	0.00	29.00	23.00	0.00	33.00	25.00	0.00	31.00	24.00
25	0.00	37.00	27.00	0.00	30.00	24.00	0.00	32.00	24.00	0.00	31.00	24.00
26	0.00	37.00	27.00	0.00	29.00	24.00	0.00	32.00	23.00	0.00	30.00	23.00
27	0.00	36.00	26.00	7.00	30.00	26.00	0.00	33.00	24.00	0.00	30.00	24.00
28	0.00	36.00	26.00	0.00	31.00	24.00	0.00	35.00	25.00	0.00	31.00	24.00
29	4.00	37.00	26.00	2.00	31.00	25.00	0.00	33.00	26.00	0.00	31.00	24.00
30	0.00	37.00	26.00	3.00	30.00	25.00	0.00	35.00	27.00	0.00	32.00	25.00
31				12.00	30.00	25.00	0.00	30.00	26.00			
Max.	51.00	40.00		42.00	36.00		26.00	36.00		18.00	34.00	
Min.	0.00		24.00	0.00		22.00	22.00		23.00	0.00		23.00
Monthly total	90.00			142.00			756.00			39.00		
Monthly Average		37.40	26.60		31.48	24.39		32.77	25.00		31.67	24.90

Daily Observed Meteorological Data												
Name of Site: Rampur				Measuring Authority : MGD2				Code: GGH60B2				
Name of River / Tributary: Kosi								Year : 2016-17				
Month	Oct-16			Nov-16			Dec-16			Jan-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	32.00	24.00	0.00	28.00	15.00	0.00	24.00	12.00	0.00	21.00	10.00
2	0.00	33.00	25.00	0.00	27.00	15.00	0.00	23.00	13.00	0.00	21.00	10.00
3	0.00	31.00	24.00	0.00	27.00	16.00	0.00	23.00	12.00	0.00	22.00	10.00
4	0.00	31.00	25.00	0.00	29.00	18.00	0.00	23.00	12.00	0.00	22.00	10.00
5	0.00	34.00	25.00	0.00	30.00	16.00	0.00	23.00	13.00	0.00	22.00	10.00
6	1.00	32.00	24.00	0.00	28.00	15.00	0.00	22.00	12.00	0.00	21.00	9.00
7	0.00	30.00	24.00	0.00	28.00	16.00	0.00	22.00	12.00	17.00	21.00	9.00
8	0.00	31.00	24.00	0.00	28.00	16.00	0.00	22.00	12.00	0.00	20.00	9.00
9	0.00	31.00	24.00	0.00	27.00	15.00	0.00	22.00	11.00	0.00	20.00	10.00
10	0.00	30.00	23.00	0.00	27.00	15.00	0.00	22.00	11.00	0.00	20.00	10.00
11	0.00	31.00	21.00	0.00	27.00	15.00	0.00	21.00	11.00	0.00	20.00	10.00
12	0.00	30.00	20.00	0.00	28.00	16.00	0.00	21.00	11.00	0.00	21.00	9.00
13	0.00	31.00	20.00	0.00	28.00	16.00	0.00	21.00	11.00	0.00	20.00	9.00
14	0.00	30.00	20.00	0.00	28.00	16.00	0.00	22.00	11.00	0.00	20.00	9.00
15	0.00	31.00	21.00	0.00	27.00	15.00	0.00	22.00	12.00	0.00	19.00	8.00
16	0.00	31.00	21.00	0.00	27.00	14.00	0.00	23.00	13.00	0.00	19.00	8.00
17	0.00	30.00	20.00	0.00	27.00	14.00	0.00	23.00	13.00	0.00	19.00	8.00
18	0.00	30.00	20.00	0.00	27.00	14.00	0.00	22.00	12.00	0.00	19.00	8.00
19	0.00	31.00	21.00	0.00	26.00	13.00	0.00	21.00	11.00	0.00	19.00	8.00
20	0.00	30.00	19.00	0.00	26.00	13.00	0.00	20.00	10.00	0.00	18.00	9.00
21	0.00	29.00	19.00	0.00	25.00	13.00	0.00	20.00	10.00	0.00	19.00	10.00
22	0.00	29.00	19.00	0.00	25.00	13.00	0.00	21.00	11.00	0.00	20.00	10.00
23	0.00	28.00	18.00	0.00	25.00	13.00	0.00	20.00	10.00	0.00	21.00	11.00
24	0.00	28.00	18.00	0.00	24.00	14.00	0.00	19.00	9.00	0.00	22.00	10.00
25	0.00	29.00	17.00	0.00	24.00	14.00	0.00	20.00	10.00	0.00	22.00	10.00
26	0.00	29.00	17.00	0.00	25.00	13.00	0.00	21.00	11.00	0.00	22.00	10.00
27	0.00	28.00	16.00	0.00	25.00	13.00	0.00	22.00	10.00	8.00	21.00	10.00
28	0.00	28.00	16.00	0.00	25.00	13.00	0.00	22.00	10.00	0.00	19.00	9.00
29	0.00	29.00	17.00	0.00	24.00	12.00	0.00	22.00	9.00	0.00	19.00	8.00
30	0.00	30.00	17.00	0.00	24.00	12.00	0.00	22.00	9.00	0.00	20.00	8.00
31	0.00	29.00	16.00				0.00	21.00	10.00	0.00	20.00	8.00
Max.	1.00	34.00		0.00	30.00		0.00	24.00		17.00	22.00	
Min.	0.00		16.00	0.00		12.00	0.00		9.00	0.00		8.00
Monthly total	1.00			0.00			0.00			25.00		
Monthly Average		30.19	20.48		26.53	14.43		21.68	11.10		20.29	9.26

Daily Observed Meteorological Data												
Name of Site: Rampur				Measuring Authority : MGD2					Code: GGH60B2			
Name of River / Tributary: Kosi				Year : 2016-17								
Month	Feb-17			Mar-17			Apr-17			May-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	20.00	8.00	0.00	30.00	11.00	0.00			0.00	37.00	23.00
2	0.00	20.00	8.00	0.00	30.00	11.00	0.00			0.00	37.00	20.00
3	0.00	21.00	8.00	0.00	28.00	12.00	0.00			0.00	36.00	21.00
4	0.00	23.00	8.00	0.00	29.00	15.00	0.00			0.00	37.00	21.00
5	0.00	23.00	9.00	0.00	27.00	11.00	0.00			0.00	38.00	23.00
6	0.00	22.00	10.00	0.00	28.00	12.00	0.00			0.00	38.00	23.00
7	0.00	23.00	10.00	0.00	29.00	13.00	0.00			0.00	39.00	24.00
8	0.00	23.00	8.00	0.00	28.00	13.00	0.00			0.00	41.00	25.00
9	0.00	23.00	8.00	7.00	28.00	11.00	0.00			0.00	40.00	24.00
10	0.00	23.00	7.00	0.00	27.00	13.00	0.00			0.00	39.00	25.00
11	0.00	24.00	8.00	0.00	27.00	13.00	0.00			0.00	39.00	24.00
12	0.00	24.00	8.00	0.00	26.00	12.00	0.00			0.00	40.00	25.00
13	0.00	25.00	9.00	0.00	26.00	12.00	0.00			0.00	38.00	25.00
14	0.00	25.00	9.00	0.00	27.00	11.00	0.00			0.00	41.00	25.00
15	0.00	25.00	9.00	0.00	27.00	10.00	0.00			0.00	41.00	25.00
16	0.00	26.00	8.00	0.00	29.00	11.00	0.00			0.00	40.00	21.00
17	0.00	26.00	8.00	0.00	29.00	13.00	0.00			0.00	38.00	24.00
18	0.00	26.00	8.00	0.00	31.00	15.00	0.00			0.00	38.00	26.00
19	0.00	26.00	12.00	0.00	29.00	12.00	0.00			0.00	39.00	25.00
20	0.00	27.00	11.00	0.00	30.00	15.00	0.00			0.00	38.00	24.00
21	0.00	27.00	12.00	0.00	31.00	16.00	0.00			0.00	38.00	24.00
22	0.00	25.00	10.00	0.00	31.00	16.00	0.00			0.00	39.00	25.00
23	0.00	25.00	12.00	0.00	31.00	16.00	0.00			0.00	40.00	26.00
24	0.00	25.00	12.00	0.00	35.00	15.00	0.00			0.00	38.00	26.00
25	0.00	26.00	13.00	0.00	35.00	19.00	0.00			0.00	39.00	26.00
26	0.00	28.00	13.00	0.00	35.00	17.00	0.00			0.00	41.00	27.00
27	0.00	28.00	12.00	0.00	35.00	17.00	0.00			0.00	41.00	28.00
28	0.00	29.00	12.00	0.00	35.00	23.00	0.00			0.00	39.00	27.00
29				0.00	37.00	22.00	0.00			0.00	37.00	26.00
30				0.00	37.00	22.00	0.00			0.00	36.00	26.00
31				0.00	38.00	22.00				0.00	36.00	26.00
Max.	0.00	29.00		7.00	38.00		0.00	0.00		0.00	41.00	
Min.	0.00		7.00	0.00		10.00	0.00		0.00	0.00		20.00
Monthly total	0.00			7.00			0.00			0.00		
Monthly Average		24.57	9.64		30.48	14.55		#DIV/0!	#DIV/0!		38.65	24.52

Daily Observed Meteorological Data												
Name of Site: Kachalabridge			Measuring Authority : MGD2				Code: GG00OP1					
Name of River / Tributary: Ganga							Year : 2016-17					
Month	Jun-16			Jul-16			Aug-16			Sep-16		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	36.00	25.50	5.40	34.00	25.00	12.60	30.00	26.50	18.20	32.00	26.00
2	0.00	37.50	27.50	3.00	32.50	24.00	0.00	29.50	27.00	0.00	31.00	27.00
3	0.00	39.00	27.00	0.00	30.50	25.50	2.40	30.00	26.00	0.00	31.50	26.00
4	0.00	41.00	25.50	0.00	30.00	26.00	0.00	30.50	26.00	0.00	33.50	26.50
5	0.00	40.50	26.00	53.00	31.50	27.50	0.00	32.00	27.00	0.00	32.00	26.50
6	0.00	39.00	26.50	0.00	31.00	27.00	0.00	33.50	28.00	0.00	33.00	26.00
7	0.00	38.50	28.00	24.20	32.00	26.00	14.60	33.00	27.50	0.00	32.50	26.50
8	0.00	39.50	29.00	0.00	33.00	27.50	0.00	32.00	27.00	0.00	33.00	25.50
9	0.00	39.00	28.50	0.00	34.50	26.50	6.40	31.00	26.50	0.00	34.50	26.00
10	0.00	40.50	29.50	8.20	32.50	27.00	0.00	31.00	25.50	0.00	33.50	25.50
11	0.00	38.00	28.00	9.80	33.50	27.50	20.00	30.50	26.00	0.00	32.50	25.00
12	0.00	38.50	27.50	0.00	33.00	26.50	24.40	31.50	26.00	0.00	33.00	25.50
13	0.00	39.00	28.00	0.00	31.50	26.00	0.00	32.50	25.50	0.00	33.50	26.00
14	4.00	37.50	27.00	0.00	33.00	26.50	3.60	31.00	27.00	0.00	32.00	25.00
15	0.00	37.00	26.50	15.40	32.00	27.00	0.00	33.00	26.50	8.20	30.50	25.50
16	12.00	35.50	26.00	3.20	31.50	28.00	0.00	33.50	26.00	0.00	31.00	26.00
17	0.00	33.00	25.50	50.20	30.50	26.50	83.40	32.00	25.50	0.00	31.50	26.50
18	0.00	34.00	26.00	78.20	29.50	25.00	6.20	34.00	26.00	0.00	30.50	26.00
19	0.00	34.50	27.00	0.00	30.00	24.50	0.00	31.50	25.50	0.00	31.00	26.50
20	0.00	35.00	28.50	2.00	32.50	26.50	2.20	32.00	26.50	0.00	32.50	26.00
21	2.40	36.00	29.00	0.00	33.50	26.00	0.00	33.00	26.50	0.00	33.00	26.50
22	0.00	33.00	26.50	0.00	35.00	27.00	0.00	33.50	25.50	0.00	32.50	26.00
23	0.00	32.50	26.00	0.00	33.50	26.00	0.00	32.50	26.00	0.00	31.00	25.50
24	0.00	33.00	25.00	0.00	33.00	26.00	0.00	31.00	26.50	0.00	32.00	25.00
25	0.00	34.50	26.00	0.00	32.50	25.00	0.00	33.00	25.00	0.00	32.50	26.00
26	0.00	35.00	26.50	0.00	32.00	26.50	0.00	34.50	27.00	0.00	32.00	25.50
27	0.00	34.00	25.50	0.00	30.50	26.00	6.40	32.50	26.50	0.00	31.50	25.00
28	6.00	34.50	26.50	8.20	29.00	25.00	0.00	33.00	25.00	0.00	32.50	26.00
29	8.00	35.00	26.00	44.60	28.00	26.00	0.00	33.50	26.50	0.00	32.00	25.50
30	0.00	35.50	27.00	5.00	29.00	25.50	0.00	35.00	28.00	0.00	31.50	25.00
31				48.20	29.00	26.00	11.60	31.50	26.50			
Max.	12.00	41.00		78.20	35.00		83.40	35.00		18.20	34.50	
Min.	0.00		25.00	0.00		24.00	0.00		25.00	0.00		25.00
Monthly total	32.40			358.60			193.80			26.40		
Monthly Average		36.52	26.90		31.73	26.16		32.16	26.34		32.17	25.85

Daily Observed Meteorological Data												
Name of Site: Kachalabridge				Measuring Authority : MGD2				Code: GG00OP1				
Name of River / Tributary: Ganga				Year : 2016-17								
Month	Oct-16			Nov-16			Dec-16			Jan-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	33.00	26.50	0.00	31.00	18.50	0.00	27.50	13.00	0.00	19.00	9.50
2	0.00	34.00	26.00	0.00	30.00	19.00	0.00	26.50	13.00	0.00	21.50	10.00
3	0.00	33.50	27.00	0.00	31.50	17.50	0.00	25.50	12.50	0.00	21.00	10.50
4	0.00	35.00	27.50	0.00	31.00	16.00	0.00	26.00	12.00	0.00	22.00	11.50
5	4.20	32.50	25.00	0.00	30.50	16.50	0.00	25.00	11.00	0.00	21.50	11.00
6	0.00	32.00	25.50	0.00	30.00	17.00	0.00	23.50	10.50	0.00	22.00	10.00
7	0.00	31.00	23.00	0.00	31.00	16.00	0.00	21.00	10.00	0.00	21.00	9.50
8	0.00	33.00	24.50	0.00	30.50	15.50	0.00	19.50	10.00	0.00	20.50	9.00
9	0.00	34.00	24.00	0.00	29.00	13.50	0.00	20.50	11.50	0.00	19.00	9.00
10	0.00	35.00	22.50	0.00	28.50	13.00	0.00	20.00	11.00	0.00	18.50	8.00
11	0.00	34.50	23.50	0.00	30.00	14.00	0.00	21.50	10.50	0.00	17.00	5.50
12	0.00	32.00	24.50	0.00	29.50	14.00	0.00	22.00	12.00	0.00	15.00	5.00
13	0.00	33.50	23.00	0.00	30.00	14.50	0.00	23.00	13.00	0.00	16.50	4.00
14	0.00	33.00	20.50	0.00	29.00	14.00	0.00	23.50	12.00	0.00	19.00	5.00
15	0.00	32.00	19.00	0.00	29.50	13.50	0.00	21.50	11.50	0.00	20.00	8.50
16	0.00	33.00	18.00	0.00	29.00	14.50	0.00	22.00	11.00	0.00	19.50	9.00
17	0.00	31.50	17.50	0.00	28.00	14.50	0.00	21.50	10.00	0.00	21.50	8.50
18	0.00	32.50	18.00	0.00	27.50	12.50	0.00	22.00	10.50	0.00	20.00	8.00
19	0.00	32.00	19.50	0.00	27.00	12.00	0.00	21.00	10.00	0.00	21.00	7.50
20	0.00	33.50	19.00	0.00	28.00	12.50	0.00	22.50	11.00	0.00	22.00	8.00
21	0.00	33.00	18.50	0.00	28.00	12.00	0.00	23.50	10.00	0.00	23.50	8.50
22	0.00	33.50	19.50	0.00	28.50	12.50	0.00	23.00	10.50	0.00	24.00	10.50
23	0.00	34.00	19.00	0.00	27.00	13.50	0.00	21.50	10.00	0.00	24.50	11.00
24	0.00	33.00	18.00	0.00	27.50	14.00	0.00	22.50	9.00	0.00	25.00	12.00
25	0.00	32.00	18.50	0.00	28.00	13.50	0.00	21.50	9.50	0.00	26.00	13.00
26	0.00	32.50	18.00	0.00	27.00	12.00	0.00	21.50	10.00	0.00	27.00	12.50
27	0.00	32.00	17.50	0.00	28.00	12.50	0.00	22.00	9.00	3.60	26.00	13.50
28	0.00	32.50	17.00	0.00	27.00	13.00	0.00	21.00	9.50	0.00	25.00	13.00
29	0.00	31.00	16.50	0.00	26.00	12.00	0.00	20.00	8.50	0.00	24.50	12.50
30	0.00	30.50	16.00	0.00	27.00	12.50	0.00	20.50	9.00	0.00	24.00	13.50
31	0.00	29.00	16.50				0.00	19.00	8.00	0.00	23.50	14.00
Max.	4.20	35.00		0.00	31.50		0.00	27.50		3.60	27.00	
Min.	0.00		16.00	0.00		12.00	0.00		8.00	0.00		4.00
Monthly total	4.20			0.00			0.00			3.60		
Monthly Average		32.69	20.94		28.82	14.20		22.31	10.61		21.63	9.71

Daily Observed Meteorological Data												
Name of Site: Kachalabridge				Measuring Authority : MGD2				Code: GG00OP1				
Name of River / Tributary: Ganga								Year : 2016-17				
Month	Feb-17			Mar-17			Apr-17			May-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	25.00	13.00	0.00	30.50	14.00	0.00	36.00	23.50	4.80	39.00	24.00
2	0.00	24.50	11.00	3.20	30.00	13.50	0.00	35.00	23.00	0.00	39.00	23.50
3	0.00	22.50	9.50	0.00	28.50	14.00	0.00	36.50	21.50	0.00	38.50	24.00
4	0.00	23.00	10.00	0.00	27.50	12.50	0.00	35.50	23.00	0.00	39.50	26.00
5	0.00	24.00	9.50	0.00	27.00	13.00	0.00	36.00	24.50	0.00	40.00	27.00
6	0.00	24.50	11.50	0.00	27.50	12.00	0.00	35.00	23.00	0.00	40.50	26.50
7	0.00	24.00	12.50	0.00	28.00	12.50	0.00	35.50	24.50	0.00	41.50	27.00
8	0.00	22.00	10.00	0.00	29.00	13.00	0.00	34.00	22.50	0.00	42.00	27.00
9	0.00	22.50	9.00	0.00	27.00	12.50	0.00	35.00	21.00	0.00	40.50	26.00
10	0.00	23.00	8.50	3.00	24.50	12.00	0.00	33.50	20.00	0.00	41.00	26.50
11	0.00	22.50	9.00	5.00	22.50	12.00	0.00	34.00	20.00	0.00	41.50	27.00
12	0.00	23.00	10.00	0.00	22.00	12.50	0.00	35.50	20.50	0.00	42.00	27.00
13	0.00	23.50	11.00	0.00	23.50	13.00	0.00	36.50	21.50	0.00	41.00	28.00
14	0.00	24.00	9.50	0.00	22.50	11.50	0.00	38.50	22.00	0.00	42.50	28.50
15	0.00	25.00	10.50	0.00	22.00	11.00	0.00	39.00	23.00	0.00	43.00	29.00
16	0.00	26.00	12.00	0.00	23.00	12.50	0.00	39.00	23.00	0.00	43.50	30.00
17	0.00	26.50	13.00	0.00	25.50	13.00	0.00	39.00	23.00	2.00	42.00	28.00
18	0.00	27.00	13.50	0.00	28.00	13.50	0.00	39.50	23.50	0.00	37.50	26.50
19	0.00	28.50	13.00	0.00	28.50	14.00	0.00	39.00	24.00	0.00	38.00	27.00
20	0.00	29.00	14.00	0.00	29.00	14.00	0.00	40.00	24.50	0.00	38.50	26.50
21	0.00	28.50	14.00	0.00	29.50	13.50	0.00	39.50	25.00	0.00	39.50	26.00
22	0.00	29.00	14.50	0.00	30.00	14.00	0.00	40.00	25.50	1.20	39.00	27.00
23	0.00	28.00	13.00	0.00	31.50	15.50	0.00	40.00	26.00	0.00	40.00	28.00
24	0.00	27.00	13.50	0.00	31.00	16.50	0.00	39.50	26.00	0.00	39.50	26.50
25	0.00	26.50	14.00	0.00	32.50	18.50	0.00	38.00	26.50	0.00	40.50	27.50
26	0.00	27.50	13.00	0.00	33.00	18.00	0.00	37.00	26.00	0.00	40.00	28.00
27	0.00	28.50	13.00	0.00	33.50	19.50	0.00	36.00	25.00	0.00	38.00	26.50
28	0.00	29.00	13.50	0.00	34.50	20.00	0.00	37.00	24.00	3.20	35.00	27.00
29				0.00	35.00	20.50	0.00	38.00	25.00	0.00	35.50	27.50
30				0.00	36.00	21.50	0.00	38.00	24.50	0.00	36.50	28.00
31				0.00	38.50	22.50				0.00	35.00	27.00
Max.	0.00	29.00		5.00	38.50		0.00	40.00		4.80	43.50	
Min.	0.00		8.50	0.00		11.00	0.00		20.00	0.00		23.50
Monthly total	0.00			11.20			0.00			11.20		
Monthly Average		25.50	11.73		28.74	14.71		37.17	23.50		39.66	26.90

Daily Observed Meteorological Data												
Name of Site: Fatehgarh				Measuring Authority : MGD2				Code: GG000K6				
Name of River / Tributary: Ganga								Year : 2016-17				
Month	Jun-16			Jul-16			Aug-16			Sep-16		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	35.00	24.00	0.00	35.50	28.00	38.60	34.00	26.00	24.80	32.00	25.50
2	0.00	38.00	25.00	3.60	36.00	27.50	1.20	35.00	26.50	0.00	32.50	25.50
3	0.00	40.00	27.00	2.00	35.50	26.00	3.60	35.00	27.00	6.20	32.50	26.00
4	0.00	40.50	27.00	1.00	35.00	26.00	0.00	35.50	27.00	0.00	33.00	27.00
5	0.00	40.50	27.50	3.20	35.00	25.50	0.00	36.00	27.50	0.00	34.00	26.00
6	0.00	40.50	27.00	0.00	35.00	25.00	0.00	36.00	28.00	0.00	35.50	26.00
7	0.00	40.50	27.00	0.00	35.50	25.00	0.00	36.50	28.50	0.00	32.00	25.50
8	0.00	29.50	26.50	5.60	35.00	25.00	0.00	36.50	28.50	0.00	32.00	25.50
9	0.00	40.00	26.50	0.00	36.00	25.50	3.60	37.00	29.00	0.00	32.50	25.50
10	0.00	43.00	26.00	7.20	36.00	25.50	0.00	37.00	28.50	0.00	32.50	25.50
11	2.00	43.00	26.00	0.00	36.00	25.00	2.40	37.00	29.00	0.00	33.00	26.00
12	0.00	44.00	26.50	0.00	36.00	25.00	1.20	37.00	28.50	0.00	33.00	26.00
13	0.00	44.00	26.50	0.00	36.00	25.00	0.00	37.50	28.00	1.60	32.50	26.00
14	0.00	43.00	26.00	0.00	35.00	27.00	0.00	37.50	28.00	0.80	32.50	26.00
15	0.00	43.00	26.00	15.40	35.00	27.00	0.00	37.00	27.50	0.00	32.00	26.00
16	0.00	38.00	26.00	1.80	35.00	26.00	1.40	37.00	27.50	0.00	32.50	26.00
17	0.00	37.00	27.00	4.80	34.00	26.00	24.60	35.00	27.00	2.00	32.00	26.00
18	0.00	37.50	27.50	2.60	34.00	26.00	5.60	35.00	27.00	0.00	32.00	26.00
19	2.00	38.00	27.00	0.00	30.00	24.00	0.00	35.00	27.00	9.00	32.00	26.00
20	0.00	38.00	26.00	2.60	30.00	24.00	0.00	35.50	27.50	0.00	32.50	26.50
21	37.00	36.00	27.00	0.00	34.00	27.00	0.00	33.50	26.50	0.00	32.00	26.00
22	3.00	34.00	26.00	12.40	34.00	26.00	0.00	33.00	26.00	9.40	32.00	26.00
23	0.00	34.00	26.00	0.00	34.00	26.00	0.00	33.00	26.00	0.00	32.50	26.00
24	0.00	36.00	27.00	11.00	32.00	25.00	0.00	33.00	26.00	0.00	32.50	26.00
25	0.00	36.00	27.00	0.00	32.00	25.00	0.00	34.00	26.00	0.00	33.00	26.00
26	0.00	35.00	26.50	0.00	32.00	25.00	0.00	33.00	25.00	0.00	33.00	26.00
27	0.00	36.00	26.00	0.00	33.00	26.00	1.20	33.00	25.00	0.00	33.50	26.50
28	0.00	36.00	26.00	1.00	32.50	26.00	0.00	32.00	25.00	0.00	33.50	26.50
29	0.00	35.50	26.00	38.60	30.00	26.00	0.00	32.50	25.50	0.00	33.00	26.50
30	0.00	36.00	26.50	2.40	32.00	26.00	3.40	33.00	25.00	0.00	33.00	26.00
31				0.00	32.00	26.00	7.40	32.50	26.00			
Max.	37.00	44.00		38.60	36.00		38.60	37.50		24.80	35.50	
Min.	0.00		24.00	0.00		24.00	0.00		25.00	0.00		25.50
Monthly total	44.00			115.20			94.20			53.80		
Monthly Average		38.25	26.40		33.97	25.74		34.98	26.95		32.68	26.00

Daily Observed Meteorological Data												
Name of Site: Fatehgarh				Measuring Authority : MGD2				Code: GG000K6				
Name of River / Tributary: Ganga								Year : 2016-17				
Month	Oct-16			Nov-16			Dec-16			Jan-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	33.00	26.50	0.00	33.50	23.00	0.00	32.00	18.50	0.00	19.00	9.00
2	0.00	34.00	26.00	0.00	33.00	23.00	0.00	31.00	18.00	0.00	19.00	10.00
3	0.00	34.00	26.50	0.00	32.50	22.50	0.00	31.00	17.50	0.00	19.00	10.50
4	0.00	34.50	26.50	0.00	33.00	22.00	0.00	31.00	17.50	0.00	19.00	9.00
5	4.40	35.00	26.00	0.00	32.00	14.00	0.00	26.00	12.00	0.00	19.00	8.50
6	5.60	34.50	25.50	0.00	32.00	19.00	0.00	25.00	12.00	0.00	20.00	9.00
7	0.00	34.50	26.00	0.00	32.00	18.00	0.00	20.00	10.00	0.00	19.00	8.50
8	0.00	34.50	25.50	0.00	32.00	18.00	0.00	20.00	10.00	0.00	19.00	8.00
9	0.00	34.00	25.50	0.00	32.00	18.50	0.00	19.00	11.00	0.00	19.00	9.00
10	0.00	34.00	25.50	0.00	32.00	18.50	0.00	19.00	11.50	0.00	19.00	9.50
11	3.40	33.50	25.00	0.00	32.00	19.00	0.00	19.00	11.00	0.00	20.00	8.00
12	0.00	34.00	25.00	0.00	33.00	18.50	0.00	18.50	11.00	0.00	19.00	7.00
13	0.00	34.50	25.00	0.00	33.00	18.50	0.00	18.50	11.50	0.00	18.00	6.00
14	0.00	34.00	25.00	0.00	33.00	18.50	0.00	18.00	11.50	0.00	19.00	5.00
15	0.00	34.00	25.00	0.00	33.00	18.50	0.00	18.00	11.50	0.00	18.00	6.00
16	0.00	33.50	24.50	0.00	33.00	18.00	0.00	19.00	11.50	0.00	18.00	6.00
17	0.00	33.00	24.00	0.00	33.00	18.00	0.00	19.00	10.00	0.00	18.00	7.00
18	0.00	33.50	24.00	0.00	33.00	18.50	0.00	19.50	10.00	0.00	18.00	7.00
19	0.00	34.00	24.50	0.00	33.00	18.00	0.00	20.00	9.00	0.00	18.50	7.00
20	0.00	34.50	25.00	0.00	33.50	18.00	0.00	21.00	8.00	0.00	19.00	7.50
21	0.00	34.00	25.00	0.00	33.00	17.50	0.00	22.00	8.00	0.00	19.00	8.00
22	0.00	34.00	24.50	0.00	33.00	18.00	0.00	22.50	8.00	0.00	19.00	8.00
23	0.00	34.00	24.50	0.00	33.00	18.50	0.00	22.50	8.00	0.00	20.00	9.00
24	0.00	34.00	24.50	0.00	33.00	18.50	0.00	23.00	8.50	0.00	20.00	10.00
25	0.00	34.50	24.00	0.00	32.50	18.00	0.00	23.50	9.00	0.00	24.00	11.00
26	0.00	34.50	24.00	0.00	32.50	18.50	0.00	23.00	9.00	0.00	25.00	12.00
27	0.00	34.50	24.00	0.00	32.50	18.50	0.00	23.00	9.00	9.80	26.00	12.00
28	0.00	34.00	24.00	0.00	32.50	18.50	0.00	23.00	9.00	0.00	19.00	9.00
29	0.00	34.00	24.50	0.00	32.00	18.50	0.00	23.00	8.50	0.00	21.00	10.00
30	0.00	34.00	24.00	0.00	32.00	18.00	0.00	20.00	8.50	0.00	22.50	10.00
31	0.00	34.00	23.50				0.00	19.00	8.50	0.00	22.00	9.00
Max.	5.60	35.00		0.00	33.50		0.00	32.00		9.80	26.00	
Min.	0.00		23.50	0.00		14.00	0.00		8.00	0.00		5.00
Monthly total	13.40			0.00			0.00			9.80		
Monthly Average		34.06	24.94		32.65	18.75		22.23	10.87		19.81	8.56

Daily Observed Meteorological Data												
Name of Site: Fatehgarh				Measuring Authority : MGD2				Code: GG000K6				
Name of River / Tributary: Ganga				Year : 2016-17								
Month	Feb-17			Mar-17			Apr-17			May-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	22.50	9.50	0.00	31.00	14.00	0.00	40.00	22.00	13.20	40.00	24.00
2	0.00	23.00	10.50	0.00	32.00	15.00	0.00	40.00	22.00	0.00	40.00	25.00
3	0.00	23.00	9.00	0.00	32.00	16.00	0.00	39.00	22.00	0.00	39.50	24.50
4	0.00	23.00	10.00	0.00	35.00	20.00	0.00	39.00	22.00	0.00	40.00	25.00
5	0.00	23.00	10.00	0.00	30.00	14.00	0.00	39.50	22.00	0.00	40.00	25.00
6	0.00	24.00	11.00	0.00	28.00	13.00	0.00	37.00	23.00	0.00	40.00	25.50
7	0.00	24.00	11.50	0.00	28.00	13.00	0.00	37.00	22.00	0.00	41.00	26.00
8	0.00	23.00	10.00	0.00	30.00	15.00	0.00	36.00	20.00	0.00	41.50	26.50
9	0.00	23.00	10.00	0.00	29.00	14.00	0.00	36.50	20.50	0.00	42.00	27.00
10	0.00	23.00	10.00	0.00	29.00	14.00	0.00	36.00	20.00	0.00	42.00	28.00
11	0.00	23.00	10.00	10.00	28.00	16.00	0.00	36.00	20.00	0.00	42.00	28.00
12	0.00	22.00	9.00	4.00	25.00	14.00	0.00	37.00	21.00	0.00	40.00	28.00
13	0.00	22.00	9.00	2.60	24.00	13.00	0.00	38.00	20.00	0.00	40.00	28.00
14	0.00	23.00	9.00	0.00	22.00	12.00	0.00	38.00	21.00	0.00	42.00	28.00
15	0.00	23.50	9.00	0.00	21.00	11.00	0.00	38.00	21.00	0.00	42.00	28.00
16	0.00	23.50	9.50	0.00	23.00	11.50	0.00	38.00	21.00	0.00	42.00	28.00
17	0.00	24.00	10.00	0.00	25.00	12.00	0.00	38.00	22.00	0.00	43.00	28.00
18	0.00	24.00	10.00	0.00	25.00	12.00	0.00	38.00	22.00	0.00	43.00	28.00
19	0.00	25.00	11.00	0.00	30.00	14.00	0.00	39.00	23.00	0.00	43.50	28.00
20	0.00	25.00	11.00	0.00	31.00	14.00	0.00	40.00	24.00	15.00	38.00	27.00
21	0.00	26.00	12.00	0.00	31.00	14.00	0.00	41.00	24.00	0.00	38.00	27.00
22	0.00	27.00	13.00	0.00	33.00	19.00	0.00	41.00	24.00	0.00	38.00	27.00
23	0.00	27.00	13.00	0.00	33.00	19.00	0.00	42.00	24.00	2.00	38.00	27.50
24	0.00	30.00	14.00	0.00	34.00	14.50	0.00	42.00	24.00	0.00	40.00	27.50
25	0.00	31.00	14.00	0.00	32.00	14.50	0.00	42.00	2.00	0.00	40.00	27.50
26	0.00	31.00	15.00	0.00	32.50	15.00	0.00	41.00	26.00	0.00	40.00	27.50
27	0.00	31.00	15.00	0.00	32.50	15.00	0.00	41.00	26.50	0.00	40.50	27.50
28	0.00	31.00	15.00	0.00	33.00	16.00	0.00	41.00	26.50	0.00	40.50	27.50
29	0.00	29.00	14.00	0.00	35.00	16.00	0.00	40.00	26.00	0.00	40.00	27.00
30	0.00	29.00	14.00	0.00	35.00	15.00	0.00	39.00	26.00	0.00	41.00	27.50
31	0.00	29.00	13.50	0.00	33.00	14.00	0.00	39.00	24.00	0.00	42.00	28.00
32	0.00	30.00	14.00	0.00	33.00	14.00	0.00	39.00	24.00	0.00	42.00	28.00
33	0.00	30.00	13.50	0.00	35.00	17.00	0.00	39.00	25.00	2.20	43.00	28.00
34	0.00	29.00	13.00	0.00	35.00	17.00	0.00	40.00	26.00	3.60	42.00	27.00
35				0.00	36.00	17.00	0.00	40.00	26.00	3.60	42.00	27.00
36				0.00	37.00	18.00	0.00	0.00	0.00	0.00	41.00	26.50
37				0.00	37.00	21.00				0.00	41.00	27.00
38				0.00	37.00	21.00				0.00	41.00	27.00
39				0.00	37.00	21.00				0.00	41.00	27.00
40				0.00	37.00	21.00				0.00	41.00	27.00
41				0.00	37.00	21.00				0.00	41.00	27.00
42				0.00	37.00	21.00				0.00	41.00	27.00
43				0.00	37.00	21.00				0.00	41.00	27.00
44				0.00	37.00	21.00				0.00	41.00	27.00
45				0.00	37.00	21.00				0.00	41.00	27.00
46				0.00	37.00	21.00				0.00	41.00	27.00
47				0.00	37.00	21.00				0.00	41.00	27.00
48				0.00	37.00	21.00				0.00	41.00	27.00
49				0.00	37.00	21.00				0.00	41.00	27.00
50				0.00	37.00	21.00				0.00	41.00	27.00
51				0.00	37.00	21.00				0.00	41.00	27.00
52				0.00	37.00	21.00				0.00	41.00	27.00
53				0.00	37.00	21.00				0.00	41.00	27.00
54				0.00	37.00	21.00				0.00	41.00	27.00
55				0.00	37.00	21.00				0.00	41.00	27.00
56				0.00	37.00	21.00				0.00	41.00	27.00
57				0.00	37.00	21.00				0.00	41.00	27.00
58				0.00	37.00	21.00				0.00	41.00	27.00
59				0.00	37.00	21.00				0.00	41.00	27.00
60				0.00	37.00	21.00				0.00	41.00	27.00
61				0.00	37.00	21.00				0.00	41.00	27.00
62				0.00	37.00	21.00				0.00	41.00	27.00
63				0.00	37.00	21.00				0.00	41.00	27.00
64				0.00	37.00	21.00				0.00	41.00	27.00
65				0.00	37.00	21.00				0.00	41.00	27.00
66				0.00	37.00	21.00				0.00	41.00	27.00
67				0.00	37.00	21.00				0.00	41.00	27.00
68				0.00	37.00	21.00				0.00	41.00	27.00
69				0.00	37.00	21.00				0.00	41.00	27.00
70				0.00	37.00	21.00				0.00	41.00	27.00
71				0.00	37.00	21.00				0.00	41.00	27.00
72				0.00	37.00	21.00				0.00	41.00	27.00
73				0.00	37.00	21.00				0.00	41.00	27.00
74				0.00	37.00	21.00				0.00	41.00	27.00
75				0.00	37.00	21.00				0.00	41.00	27.00
76				0.00	37.00	21.00				0.00	41.00	27.00
77				0.00	37.00	21.00				0.00	41.00	27.00
78				0.00	37.00	21.00				0.00	41.00	27.00
79				0.00	37.00	21.00				0.00	41.00	27.00
80				0.00	37.00	21.00				0.00	41.00	27.00
81				0.00	37.00	21.00				0.00	41.00	27.00
82				0.00	37.00	21.00				0.00	41.00	27.00
83				0.00	37.00	21.00				0.00	41.00	27.00
84				0.00	37.00	21.00				0.00	41.00	27.00
85				0.00	37.00	21.00				0.00	41.00	27.00
86				0.00	37.00	21.00				0.00	41.00	27.00
87				0.00	37.00	21.00				0.00	41.00	27.00
88				0.00	37.00	21.00				0.00	41.00	27.00
89				0.00	37.00	21.00				0.00	41.00	27.00
90				0.00	37.00	21.00				0.00	41.00	27.00
91				0.00	37.00	21.00				0.00	41.00	27.00
92				0.00	37.00	21.00				0.00	41.00	27.00
93				0.00	37.00	21.00				0.00	41.00	27.00
94				0.00	37.00	21.00				0.00	41.00	27.00
95				0.00	37.00	21.00				0.00	41.00	27.00
96				0.00	37.00	21.00				0.00	41.00	27.00
97				0.00	37.00	21.00				0.00	41.00	27.00
98				0.00	37.00	21.00				0.00	41.00	27.00
99				0.00	37.00	21.00				0.00	41.00	27.00
100				0.00	37.00	21.00				0.00	41.00	27.00
101				0.00	37.00	21.00				0.00	41.00	27.00
102				0.00	37.00	21.00				0.00	41.00	27.00
103				0.00	37.00	21.00				0.00	41.00	27.00
104				0.00	37.00	21.00				0.00	41.00	27.00
105				0.00	37.00	21.00				0.00	41.00	27.00
106				0.00	37.00	21.00				0.00	41.00	27.00
107				0.00	37.00	21.00				0.00	41.00	27.00
108				0.00	37.00	21.00				0.00	41.00	27.00
109				0.00	37.00	21.00				0.00	41.00	27.00
110				0.00	37.00	21.00				0.00	41.00	27.00
111				0.00	37.00	21.00				0.00	41.00	27.00
112				0.00	37.00	21.00				0.00	41.00	27.00
113				0.00	37.00	21.00				0.00	41.00	27.00
114				0.00	37.00	21.00				0.00	41.00	27.00
115				0.00	37.00	21.00				0.00	41.00	27.00
116				0.00	37.00	21.00				0.00	41.00	27.00
117				0.00	37.00	21.00				0.00		

Daily Observed Meteorological Data												
Name of Site: Bareilly				Measuring Authority : MGD2				Code: GGH0019				
Name of River / Tributary: Ramganga								Year : 2016-17				
Month	Jun-16			Jul-16			Aug-16			Sep-16		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	35.00	29.00	0.00	38.00	30.00	62.00	33.00	28.00	11.00	30.00	26.00
2	0.00	35.00	28.00	65.00	37.00	29.00	0.00	33.50	29.00	0.00	30.00	28.00
3	0.00	38.00	27.00	0.00	37.50	29.50	2.00	34.00	30.00	0.00	30.50	29.00
4	0.00	38.00	28.00	34.00	37.00	28.00	0.00	35.00	30.00	0.00	30.00	27.00
5	0.00	37.00	27.00	85.00	35.00	29.00	0.00	34.00	31.00	1.00	30.50	26.00
6	0.00	38.00	28.00	4.00	36.50	29.00	0.00	34.50	31.00	0.00	30.00	26.00
7	8.40	37.00	26.00	0.00	37.00	29.00	15.60	33.50	30.00	0.00	31.00	27.00
8	0.00	38.00	27.00	0.00	37.50	29.50	0.00	34.00	31.00	0.00	35.00	24.00
9	0.00	38.00	26.00	30.00	36.00	29.00	3.00	35.00	30.00	0.00	35.00	24.50
10	0.00	38.50	28.00	0.00	36.50	29.00	140.00	34.50	30.00	0.00	36.00	25.00
11	0.00	38.50	27.00	0.00	37.00	29.00	14.00	34.00	31.00	0.00	36.00	24.50
12	0.00	38.00	27.00	0.00	38.00	30.00	41.00	33.00	30.00	0.00	36.00	24.00
13	0.00	38.00	29.00	0.00	37.00	30.00	2.00	33.50	30.00	0.00	36.00	24.50
14	0.00	39.00	31.00	0.00	37.00	29.00	4.00	33.00	30.00	4.60	36.00	24.00
15	0.00	38.00	28.00	20.00	37.00	30.00	0.00	34.00	31.00	0.00	37.00	24.00
16	9.00	36.50	26.00	31.60	38.00	30.00	71.00	33.50	30.00	0.00	32.00	25.00
17	0.00	36.00	26.00	8.60	37.00	30.00	64.00	33.50	30.00	0.00	34.00	25.00
18	0.00	38.00	26.00	64.00	37.50	30.00	0.00	33.00	30.00	0.00	34.50	24.50
19	0.00	38.00	26.50	0.00	38.00	30.00	0.00	34.00	31.00	0.00	35.00	24.50
20	0.00	38.50	27.00	16.00	38.00	31.00	0.00	33.00	31.00	0.00	35.50	24.00
21	2.00	38.00	26.50	0.00	38.00	30.50	0.00	33.00	30.00	0.00	35.00	25.00
22	0.00	38.00	27.00	38.00	37.50	30.00	0.00	32.00	30.00	6.40	35.00	26.00
23	2.00	37.00	29.00	0.00	36.00	29.00	0.00	31.00	28.00	0.00	34.00	26.00
24	0.00	38.00	29.50	0.00	36.50	29.50	0.00	33.00	30.00	0.00	32.00	24.00
25	0.00	37.50	29.00	52.00	38.00	29.00	0.00	33.00	28.00	0.00	32.00	25.00
26	0.00	37.00	28.50	18.60	36.00	30.00	0.00	32.00	27.00	0.00	31.00	24.00
27	0.00	38.00	29.00	0.00	35.00	29.00	0.40	32.00	27.50	0.00	30.50	24.00
28	0.00	38.00	30.00	0.00	35.50	30.00	0.00	32.00	27.00	0.00	33.00	24.00
29	12.00	38.50	30.00	9.00	34.00	31.00	0.00	32.00	26.00	0.00	34.00	25.00
30	0.00	38.00	30.00	28.00	34.00	30.00	2.00	33.00	28.00	0.00	33.00	23.00
31				120.00	34.50	29.00	8.00	30.00	25.00			
Max.	12.00	39.00		120.00	38.00		140.00	35.00		11.00	37.00	
Min.	0.00		26.00	0.00		28.00	0.00		25.00	0.00		23.00
Monthly total	33.40			623.80			429.00			23.00		
Monthly Average		37.63	27.87		36.69	29.58		33.18	29.37		33.32	25.08

Daily Observed Meteorological Data												
Name of Site: Bareilly				Measuring Authority : MGD2				Code: GGH00I9				
Name of River / Tributary: Ramganga								Year : 2016-17				
Month	Oct-16			Nov-16			Dec-16			Jan-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	33.00	24.00	0.00	33.00	17.00	0.00	25.00	10.00	0.00	24.00	12.00
2	0.00	33.00	24.50	0.00	32.00	17.00	0.00	25.00	10.00	0.00	23.00	12.00
3	0.00	33.00	25.00	0.00	31.00	17.50	0.00	25.00	10.00	0.00	24.00	10.00
4	0.00	36.00	25.00	0.00	31.00	18.00	0.00	25.00	11.00	0.00	23.00	11.00
5	8.60	32.00	24.00	0.00	31.30	16.80	0.00	25.00	12.00	0.00	23.00	11.00
6	5.00	34.00	26.00	0.00	29.00	15.70	0.00	23.00	10.00	0.00	22.00	11.00
7	0.00	33.00	24.00	0.00	29.10	15.80	0.00	22.00	10.00	0.00	20.00	10.00
8	0.00	32.00	23.00	0.00	29.00	16.00	0.00	22.00	9.00	11.00	20.00	11.00
9	0.00	32.00	24.00	0.00	29.00	13.00	0.00	22.00	9.00	0.00	19.00	8.00
10	0.00	33.00	24.00	0.00	29.00	13.00	0.00	22.00	10.00	0.00	19.00	9.00
11	0.00	33.00	24.00	0.00	28.00	13.00	0.00	22.00	10.00	0.00	18.00	8.00
12	0.00	33.00	23.00	0.00	29.00	13.00	0.00	22.50	11.00	0.00	17.00	7.00
13	0.00	33.00	23.00	0.00	29.00	13.00	0.00	22.00	10.50	0.00	18.00	5.00
14	0.00	32.00	23.00	0.00	29.00	13.00	0.00	21.50	11.00	0.00	20.00	7.00
15	0.00	33.00	19.00	0.00	29.00	13.00	0.00	22.00	10.00	0.00	22.00	9.00
16	0.00	33.00	19.50	0.00	28.00	13.00	0.00	22.00	10.00	0.00	22.00	8.00
17	0.00	32.00	21.00	0.00	28.00	13.00	0.00	21.50	10.00	0.00	21.00	9.00
18	0.00	31.00	21.00	0.00	27.00	13.00	0.00	22.00	10.00	0.00	20.00	8.00
19	0.00	31.00	21.00	0.00	27.00	12.00	0.00	22.00	10.00	0.00	23.00	9.00
20	0.00	30.00	19.00	0.00	26.00	11.00	0.00	22.00	9.00	0.00	22.00	10.00
21	0.00	33.00	19.00	0.00	26.00	11.00	0.00	22.00	9.00	0.00	22.00	11.00
22	0.00	32.00	19.00	0.00	26.00	11.00	0.00	21.00	9.00	0.00	24.00	12.00
23	0.00	33.00	18.50	0.00	27.00	12.00	0.00	21.00	9.00	0.00	25.00	11.00
24	0.00	32.00	18.50	0.00	27.00	12.00	0.00	21.00	10.00	0.00	25.00	12.00
25	0.00	32.00	18.30	0.00	28.00	12.00	0.00	22.00	8.00	0.00	26.00	14.00
26	0.00	32.00	19.00	0.00	28.00	10.00	0.00	22.00	8.00	0.00	25.00	14.00
27	0.00	33.00	17.00	0.00	27.00	10.00	0.00	21.00	8.00	9.00	17.00	12.00
28	0.00	33.00	17.00	0.00	27.00	10.00	0.00	21.00	8.00	0.00	21.00	12.00
29	0.00	32.00	17.00	0.00	26.00	10.00	0.00	20.00	8.00	0.00	20.00	11.00
30	0.00	32.50	17.00	0.00	26.00	10.00	0.00	20.00	8.00	0.00	19.00	10.00
31	0.00	32.50	17.50				0.00	20.00	9.00	0.00	24.00	11.00
Max.	8.60	36.00		0.00	33.00		0.00	25.00		11.00	26.00	
Min.	0.00		17.00	0.00		10.00	0.00		8.00	0.00		5.00
Monthly total	13.60			0.00			0.00			20.00		
Monthly Average		32.55	21.12		28.38	13.16		22.15	9.56		21.55	10.16

Daily Observed Meteorological Data												
Name of Site: Bareilly				Measuring Authority : MGD2				Code: GGHO019				
Name of River / Tributary: Ramganga								Year : 2016-17				
Month	Feb-17			Mar-17			Apr-17			May-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	23.00	10.00	0.00	30.00	17.00	0.00	38.00	21.00	1.20	39.00	25.00
2	0.00	23.00	11.00	1.80	27.00	14.00	0.00	38.50	21.00	0.00	38.00	24.00
3	0.00	24.00	11.00	0.00	28.00	15.00	0.00	39.00	21.00	0.00	38.00	23.00
4	0.00	25.00	15.00	0.00	28.00	15.00	0.00	40.00	25.00	0.00	39.00	25.00
5	0.00	24.00	15.00	0.00	28.00	15.00	1.20	36.00	22.00	0.00	40.00	26.00
6	0.00	23.00	11.00	0.00	28.00	16.00	0.00	35.00	21.00	0.00	40.00	27.00
7	0.00	24.00	12.00	0.00	30.00	18.00	0.00	34.00	20.00	0.00	41.00	28.00
8	0.00	25.00	12.00	0.00	31.00	18.00	0.00	35.00	20.00	0.00	41.00	27.00
9	0.00	28.00	9.00	0.00	26.00	16.00	0.00	36.00	20.00	0.00	39.00	27.00
10	0.00	28.00	7.00	7.60	20.00	13.00	0.00	34.00	19.00	0.00	40.00	28.00
11	0.00	23.00	10.00	0.00	20.00	12.00	0.00	37.00	21.00	0.00	40.00	29.00
12	0.00	27.00	11.00	0.00	23.00	12.00	0.00	38.00	21.00	0.00	42.00	29.00
13	0.00	25.00	10.00	0.00	27.00	11.00	0.00	39.00	22.00	0.00	43.00	30.00
14	0.00	26.00	11.00	0.00	28.00	13.00	0.00	38.00	22.00	0.00	43.00	30.50
15	0.00	27.00	14.00	0.00	27.00	14.00	0.00	38.00	21.00	0.00	44.00	31.00
16	0.00	27.00	14.00	0.00	32.00	17.00	0.00	38.00	23.00	0.00	44.00	31.00
17	0.00	27.00	15.00	0.00	30.00	16.00	0.00	39.00	26.00	0.00	43.00	29.00
18	0.00	28.00	16.00	0.00	30.00	17.00	0.00	38.00	27.00	0.00	43.00	28.00
19	0.00	30.00	16.00	0.00	32.00	16.00	0.00	41.00	27.00	0.00	40.00	27.00
20	0.00	30.00	15.00	0.00	31.00	16.00	0.00	40.00	27.00	0.00	41.00	27.00
21	0.00	28.00	14.00	0.00	30.00	16.00	0.00	40.00	28.00	0.00	40.00	26.00
22	0.00	27.00	13.00	0.00	36.00	21.00	0.00	39.00	29.00	0.00	38.00	25.00
23	0.00	28.00	14.00	0.00	37.00	22.00	0.00	40.00	25.00	0.00	40.00	29.00
24	0.00	26.00	13.00	0.00	36.00	20.00	0.00	39.00	26.00	0.00	40.00	30.00
25	0.00	28.00	14.00	0.00	35.00	20.00	0.00	39.00	25.00	0.00	42.00	31.00
26	0.00	31.00	13.00	0.00	36.00	20.00	0.00	43.00	25.00	0.00	42.50	31.00
27	0.00	28.00	14.00	0.00	36.00	22.00	0.00	41.00	25.00	0.00	42.00	29.00
28	0.00	30.00	16.00	0.00	37.00	21.00	0.00	42.00	26.00	0.00	42.00	28.00
29				0.00	39.00	22.00	0.00	41.00	24.00	0.00	44.00	29.00
30				0.00	39.00	24.00	0.00	41.00	24.00	0.00	40.00	29.00
31				0.00	39.00	24.50				0.00	40.00	29.00
Max.	0.00	31.00		7.60	39.00		1.20	43.00		1.20	44.00	
Min.	0.00		7.00	0.00		11.00	0.00		19.00	0.00		23.00
Monthly total	0.00			9.40			1.20			1.20		
Monthly Average		26.54	12.71		30.84	17.21		38.55	23.47		40.92	27.98

Daily Observed Meteorological Data												
Name of Site: Dabri			Measuring Authority : MGD2					Code: GGHOOC9				
Name of River / Tributary: Ram Ganga								Year : 2016-17				
Month	Jun-16			Jul-16			Aug-16			Sep-16		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	37.00	31.00	0.00	40.00	34.00	28.00	31.50	27.00	10.60	32.00	30.00
2	0.00	39.00	34.00	6.20	34.00	30.00	1.20	31.00	28.00	0.00	33.00	29.00
3	0.00	40.00	34.50	10.40	32.00	30.00	10.20	32.00	28.00	0.00	33.00	30.00
4	0.00	40.00	34.50	4.00	32.00	29.00	0.00	33.00	28.00	0.00	35.00	30.00
5	0.00	39.00	33.00	14.00	33.00	29.00	0.00	35.00	31.00	0.00	36.00	30.00
6	0.00	40.00	34.00	0.00	32.00	29.00	0.00	37.00	33.00	0.00	36.00	30.00
7	0.00	39.50	32.00	0.00	32.50	29.00	0.00	36.00	32.00	0.00	36.00	31.00
8	0.00	38.00	33.00	3.60	32.50	29.50	0.00	35.00	32.00	0.00	36.00	31.50
9	0.00	38.00	33.00	0.00	34.00	30.00	0.00	35.00	31.00	0.00	36.50	32.00
10	0.00	38.00	33.00	0.00	36.00	31.00	0.00	36.00	31.00	0.00	36.00	31.00
11	0.00	40.00	34.00	0.00	36.00	32.00	40.20	33.00	29.50	0.00	36.50	31.00
12	0.00	41.00	34.00	0.00	33.00	31.00	0.00	31.00	29.00	0.00	36.00	31.00
13	0.00	41.00	35.00	0.00	34.00	30.00	0.00	32.50	30.50	0.00	36.00	29.00
14	0.00	41.00	35.00	0.00	36.00	32.00	0.00	36.00	32.00	0.00	36.50	27.00
15	18.20	40.50	32.50	70.00	35.00	30.00	0.00	33.00	31.00	0.00	33.00	28.00
16	0.00	37.00	32.50	0.00	31.00	29.00	0.00	32.00	30.00	0.00	32.50	30.00
17	0.00	37.00	32.00	15.00	32.00	29.00	26.40	32.00	29.00	0.00	32.50	30.00
18	0.00	37.00	33.00	3.80	33.00	28.00	19.40	30.00	28.00	0.00	33.00	29.00
19	0.00	37.00	32.50	0.00	32.00	29.00	0.00	32.00	31.00	0.00	32.50	30.00
20	0.00	38.00	33.00	5.20	33.00	29.00	0.00	32.00	29.00	0.00	33.00	29.50
21	4.60	37.00	30.50	0.00	35.50	30.00	0.00	32.00	29.00	0.00	36.00	31.00
22	0.00	35.00	29.50	4.60	35.00	30.00	0.00	31.00	29.00	0.00	33.00	30.00
23	0.00	33.00	29.00	0.00	29.00	28.00	0.00	33.00	30.00	0.00	31.50	30.00
24	0.00	35.00	30.00	20.00	31.00	29.00	6.40	33.00	29.00	0.00	32.00	28.00
25	0.00	38.00	32.00	0.00	31.00	29.00	0.00	33.00	31.00	0.00	32.00	29.00
26	0.00	37.00	32.00	38.60	33.00	30.00	0.00	36.00	31.00	0.00	31.50	29.00
27	0.00	37.00	32.00	0.00	30.00	28.00	6.00	35.50	31.00	0.00	33.00	30.00
28	0.00	37.00	31.00	28.00	32.00	29.00	0.00	35.00	31.00	0.00	32.50	29.00
29	0.00	37.00	32.00	0.00	31.00	27.00	0.00	36.00	33.00	0.00	33.00	29.00
30	0.00	40.50	34.00	2.40	32.00	27.00	12.80	37.00	30.50	0.00	33.00	31.00
31				0.00	32.00	27.00	0.00	35.00	30.00			
Max.	18.20	41.00		70.00	40.00		40.20	37.00		10.60	36.50	
Min.	0.00		29.00	0.00		27.00	0.00		27.00	0.00		27.00
Monthly total	22.80			225.80			150.60			10.60		
Monthly Average		38.15	32.58		33.05	29.47		33.60	30.15		33.95	29.83

Daily Observed Meteorological Data												
Name of Site: Dabri				Measuring Authority : MGD2				Code: GGHOOC9				
Name of River / Tributary: Ram Ganga								Year : 2016-17				
Month	Oct-16			Nov-16			Dec-16			Jan-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	33.00	30.00	0.00	28.00	22.00	0.00	22.00	18.00	0.00	16.00	14.00
2	0.00	33.00	29.00	0.00	27.00	22.00	0.00	22.00	17.50	0.00	16.00	14.00
3	0.00	34.00	31.00	0.00	27.50	22.00	0.00	22.00	17.50	0.00	16.00	14.00
4	0.00	34.50	31.00	0.00	27.50	22.00	0.00	20.00	17.00	0.00	16.00	13.00
5	0.00	35.00	30.00	0.00	27.00	22.00	0.00	19.00	16.00	0.00	16.00	13.00
6	2.00	32.00	28.00	0.00	27.50	21.50	0.00	19.00	16.00	0.00	15.50	13.00
7	0.00	30.50	28.00	0.00	27.00	22.00	0.00	19.00	16.00	0.00	15.50	13.00
8	0.00	31.00	28.50	0.00	25.00	20.00	0.00	19.00	16.00	0.00	15.50	13.00
9	0.00	31.50	28.50	0.00	25.00	20.00	0.00	18.00	15.00	0.00	16.00	13.00
10	0.00	32.50	31.00	0.00	24.00	20.00	0.00	18.00	15.00	0.00	16.00	13.00
11	0.00	32.50	27.00	0.00	24.00	20.00	0.00	17.00	13.00	0.00	16.50	13.00
12	0.00	32.00	28.00	0.00	25.00	20.00	0.00	17.00	12.50	0.00	15.50	10.50
13	0.00	31.50	26.00	0.00	25.00	20.00	0.00	16.50	13.50	0.00	15.50	10.50
14	0.00	32.00	26.00	0.00	26.00	21.00	0.00	17.00	13.00	0.00	15.50	10.50
15	0.00	31.00	26.00	0.00	24.00	20.00	0.00	17.50	13.50	0.00	16.00	10.50
16	0.00	31.00	26.00	0.00	24.00	18.50	0.00	17.50	15.00	0.00	16.50	10.50
17	0.00	31.00	25.00	0.00	24.00	19.00	0.00	17.00	14.00	0.00	17.00	12.00
18	0.00	31.00	24.00	0.00	24.00	19.00	0.00	17.50	13.50	0.00	16.00	12.00
19	0.00	31.00	24.00	0.00	22.00	19.00	0.00	17.00	13.00	0.00	16.00	12.00
20	0.00	32.00	25.00	0.00	22.00	19.00	0.00	17.00	13.00	0.00	17.00	12.00
21	0.00	31.50	24.00	0.00	25.50	19.50	0.00	17.00	14.00	0.00	17.00	12.00
22	0.00	30.50	24.00	0.00	24.00	18.00	0.00	17.00	14.00	0.00	17.00	12.50
23	0.00	30.00	25.00	0.00	23.00	18.00	0.00	17.00	13.00	0.00	17.00	12.00
24	0.00	31.00	25.00	0.00	23.50	18.00	0.00	17.00	13.00	0.00	18.50	12.00
25	0.00	30.00	25.00	0.00	23.50	18.00	0.00	17.00	14.00	0.00	19.00	12.00
26	0.00	30.00	25.00	0.00	23.00	18.00	0.00	17.00	14.00	0.00	20.00	13.00
27	0.00	31.00	26.00	0.00	23.00	18.00	0.00	17.50	14.00	11.60	20.00	14.00
28	0.00	32.00	23.00	0.00	23.00	18.00	0.00	17.50	14.00	0.00	20.00	14.00
29	0.00	29.00	23.00	0.00	23.00	18.00	0.00	17.50	14.00	0.00	20.00	14.50
30	0.00	28.00	23.00	0.00	22.50	18.00	0.00	17.00	14.00	0.00	18.00	14.50
31	0.00	28.00	22.50	0.00	22.00	18.00	0.00	17.00	14.00	0.00	17.00	15.00
31	0.00	27.50	22.00				0.00	17.00	14.00	0.00	17.00	14.00
Max.	2.00	35.00		0.00	28.00		0.00	22.00		11.60	20.00	
Min.	0.00		22.00	0.00		18.00	0.00		12.50	0.00		10.50
Monthly total	2.00			0.00			0.00			11.60		
Monthly Average		31.31	26.27		24.62	19.68		17.97	14.52		16.81	12.63

Daily Observed Meteorological Data												
Name of Site: Dabri				Measuring Authority : MGD2				Code: GGHOOC9				
Name of River / Tributary: Ram Ganga								Year : 2016-17				
Month	Feb-17			Mar-17			Apr-17			May-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	17.00	14.00	0.00	25.50	20.00	0.00	37.00	29.00	0.00	40.00	24.00
2	0.00	17.50	14.00	0.00	27.00	21.00	0.00	37.00	29.00	0.00	40.00	25.00
3	0.00	18.00	14.00	0.00	26.50	19.50	0.00	37.50	28.50	0.00	39.50	24.50
4	0.00	18.00	14.00	0.00	26.00	19.00	0.00	37.00	28.50	0.00	40.00	25.00
5	0.00	18.00	15.00	0.00	26.50	19.50	0.00	37.50	28.00	0.00	40.00	25.00
6	0.00	19.50	16.00	0.00	26.00	18.00	0.00	37.50	27.50	0.00	40.00	25.50
7	0.00	19.50	16.00	0.00	26.00	19.50	0.00	38.00	29.00	0.00	41.00	26.00
8	0.00	19.50	15.00	0.00	26.50	19.00	0.00	35.00	28.00	0.00	41.50	26.50
9	0.00	19.00	14.00	0.00	26.00	19.00	0.00	36.00	25.00	0.00	42.00	27.00
10	0.00	19.00	14.00	10.20	26.50	19.50	0.00	36.00	25.00	0.00	42.00	28.00
11	0.00	19.00	14.00	0.00	19.00	16.00	0.00	36.00	25.00	0.00	40.00	28.00
12	0.00	17.00	12.00	0.00	20.00	16.00	0.00	35.50	25.00	0.00	40.00	28.00
13	0.00	17.00	12.00	0.00	21.00	16.50	0.00	35.50	24.50	0.00	40.00	28.00
14	0.00	18.50	15.00	0.00	22.00	16.00	0.00	36.00	29.00	0.00	42.00	28.00
15	0.00	19.00	16.00	0.00	23.00	16.50	0.00	36.50	23.50	0.00	42.00	28.00
16	0.00	21.00	16.00	0.00	25.00	21.00	0.00	37.00	30.00	0.00	43.00	28.00
17	0.00	21.00	16.00	0.00	27.50	20.00	0.00	37.00	29.00	0.00	43.50	28.00
18	0.00	22.00	18.00	0.00	28.00	21.50	0.00	37.00	30.00	0.00	38.00	27.00
19	0.00	22.00	18.00	0.00	28.00	21.00	0.00	36.50	30.00	0.00	38.00	27.00
20	0.00	23.00	18.00	0.00	28.00	21.00	0.00	37.00	30.00	0.00	38.00	27.50
21	0.00	25.00	19.00	0.00	28.00	22.00	0.00	37.50	31.00	0.00	40.00	27.50
22	0.00	26.00	20.00	0.00	28.50	24.00	0.00	37.50	31.50	0.00	40.00	27.50
23	0.00	25.00	18.00	0.00	31.00	24.00	0.00	37.00	30.00	0.00	40.50	27.50
24	0.00	24.00	17.00	0.00	32.00	24.50	0.00	38.00	30.00	0.00	40.00	27.00
25	0.00	23.50	17.00	0.00	32.00	24.00	0.00	38.00	32.00	0.00	41.00	27.50
26	0.00	24.00	17.50	0.00	32.00	25.00	0.00	38.50	32.00	0.00	42.00	28.00
27	0.00	23.50	16.50	0.00	32.00	25.00	0.00	37.50	31.00	0.00	42.00	28.00
28	0.00	24.00	18.00	0.00	32.50	26.00	0.00	37.00	31.00	0.00	43.00	28.00
29				0.00	33.50	26.50	0.00	38.00	32.00	0.00	42.00	27.00
30				0.00	35.00	28.00	0.00	40.00	31.50	0.00	41.00	26.50
31				0.00	36.00	29.00				0.00	41.00	27.00
Max.	0.00	26.00		10.20	36.00		0.00	40.00		0.00	43.50	
Min.	0.00		12.00	0.00		16.00	0.00		23.50	0.00		24.00
Monthly total	0.00			10.20			0.00			0.00		
Monthly Average		20.70	15.86		27.63	21.21		37.05	28.85		40.74	26.95

Daily Observed Meteorological Data												
Name of Site: Kannauj				Measuring Authority : MGD2				Code: GG000J3				
Name of River / Tributary: Ganga								Year : 2016-17				
Month	Jun-16			Jul-16			Aug-16			Sep-16		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00			0.00			22.00			1.40		
2	0.00			3.40			0.00			0.00		
3	0.00			1.00			0.00			5.20		
4	0.00			15.00			0.00			0.00		
5	0.00			47.40			0.00			7.00		
6	0.00			1.80			0.00			5.80		
7	0.00			0.00			0.00			0.00		
8	0.00			0.00			0.00			0.00		
9	2.00			0.00			0.00			0.00		
10	0.00			4.20			0.00			0.00		
11	0.00			0.00			1.40			0.00		
12	0.00			0.00			6.20			0.00		
13	0.00			0.00			0.00			0.00		
14	0.00			2.40			2.00			34.00		
15	0.00			2.80			0.00			0.00		
16	36.00			3.40			2.00			0.00		
17	0.00			2.60			50.40			0.00		
18	0.00			4.40			8.20			7.40		
19	0.00			1.80			17.00			36.00		
20	0.00			0.00			14.60			0.00		
21	14.00			0.00			0.00			0.00		
22	7.20			10.80			0.00			2.00		
23	0.00			0.00			0.00			0.00		
24	2.40			12.00			0.00			1.60		
25	0.00			0.00			0.00			0.00		
26	7.00			0.00			0.00			0.00		
27	0.00			0.00			9.00			0.00		
28	0.00			2.00			0.00			0.00		
29	0.00			0.00			0.00			32.00		
30	0.00			4.60			0.00			0.00		
31				2.40			0.00					
Max.	36.00	0.00		47.40	0.00		50.40	0.00		36.00	0.00	
Min.	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00
Monthly total	68.60			122.00			132.80			132.40		
Monthly Average												

Daily Observed Meteorological Data												
Name of Site: Kannauj				Measuring Authority : MGD2				Code: GG000J3				
Name of River / Tributary: Ganga								Year : 2016-17				
Month	Oct-16			Nov-16			Dec-16			Jan-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00			0.00			0.00			0.00		
2	0.00			0.00			0.00			0.00		
3	0.00			0.00			0.00			0.00		
4	0.00			0.00			0.00			0.00		
5	0.00			0.00			0.00			0.00		
6	24.00			0.00			0.00			0.00		
7	0.00			0.00			0.00			0.00		
8	0.00			0.00			0.00			0.00		
9	2.00			0.00			0.00			2.00		
10	0.00			0.00			0.00			0.00		
11	0.00			0.00			0.00			0.00		
12	0.00			0.00			0.00			0.00		
13	0.00			0.00			0.00			0.00		
14	0.00			0.00			0.00			0.00		
15	0.00			0.00			0.00			0.00		
16	0.00			0.00			0.00			0.00		
17	0.00			0.00			0.00			0.00		
18	0.00			0.00			0.00			0.00		
19	0.00			0.00			0.00			0.00		
20	0.00			0.00			0.00			0.00		
21	0.00			0.00			0.00			0.00		
22	0.00			0.00			0.00			0.00		
23	0.00			0.00			0.00			0.00		
24	0.00			0.00			0.00			0.00		
25	0.00			0.00			0.00			0.00		
26	0.00			0.00			0.00			0.00		
27	0.00			0.00			0.00			24.00		
28	0.00			0.00			0.00			0.00		
29	0.00			0.00			0.00			0.00		
30	0.00			0.00			0.00			0.00		
31	0.00						0.00			0.00		
Max.	24.00	0.00		0.00	0.00		0.00	0.00		24.00	0.00	
Min.	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00
Monthly total	26.00			0.00			0.00			26.00		
Monthly Average												

Daily Observed Meteorological Data												
Name of Site: Kannauj				Measuring Authority : MGD2				Code: GG000J3				
Name of River / Tributary: Ganga								Year : 2016-17				
Month	Feb-17			Mar-17			Apr-17			May-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00			0.00			0.00			0.00		
2	0.00			0.00			0.00			0.00		
3	0.00			0.00			0.00			0.00		
4	0.00			0.00			0.00			0.00		
5	0.00			0.00			0.00			0.00		
6	0.60			0.00			0.00			0.00		
7	0.00			0.00			0.00			0.00		
8	0.00			0.00			0.00			0.00		
9	0.00			0.00			0.00			0.00		
10	0.00			4.80			0.00			0.00		
11	0.00			10.00			0.00			0.00		
12	0.00			0.00			0.00			0.00		
13	0.00			0.00			0.00			0.00		
14	0.00			0.00			0.00			0.00		
15	0.00			0.00			0.00			0.00		
16	0.00			0.00			0.00			0.00		
17	0.00			0.00			0.00			0.00		
18	0.00			0.00			0.00			3.80		
19	0.00			0.00			0.00			0.80		
20	0.00			0.00			0.00			0.00		
21	0.00			0.00			0.00			0.00		
22	0.00			0.00			0.00			0.00		
23	0.00			0.00			0.00			0.00		
24	0.00			0.00			0.00			0.00		
25	0.00			0.00			0.00			0.00		
26	0.00			0.00			0.00			0.00		
27	0.00			0.00			0.00			0.00		
28	0.00			0.00			0.00			0.00		
29				0.00			0.00			7.00		
30				0.00			0.00			0.00		
31				0.00						0.00		
Max.	0.60	0.00		10.00	0.00		0.00	0.00		7.00	0.00	
Min.	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00
Monthly total	0.60			14.80			0.00			11.60		
Monthly Average												

Daily Observed Meteorological Data												
Name of Site: Ankinghat				Measuring Authority : MGD2				Code: GG000I7				
Name of River / Tributary: Ganga								Year : 2016-17				
Month	Jun-16			Jul-16			Aug-16			Sep-16		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	39.00	22.00	0.00	32.50	22.50	69.80	30.00	190.00	0.00	36.00	23.00
2	0.00	39.50	23.00	0.80	32.00	22.00	0.00	30.50	20.00	0.00	36.00	23.00
3	0.00	40.00	24.00	0.00	31.50	21.50	0.00	31.00	20.50	1.80	36.00	22.00
4	0.00	41.00	25.00	40.60	31.00	21.00	2.80	31.50	21.00	0.00	35.00	21.50
5	0.00	40.50	24.50	30.00	30.00	20.00	0.00	31.50	22.00	0.00	34.50	21.00
6	0.00	41.00	25.00	0.00	29.50	19.50	0.00	32.00	23.00	0.00	34.00	20.00
7	0.00	40.00	24.00	0.00	29.00	19.00	0.00	32.50	23.00	0.00	32.00	20.00
8	0.00	41.00	25.00	28.40	29.00	19.00	0.00	32.50	23.00	0.00	31.00	20.00
9	1.40	40.00	24.00	2.00	29.50	19.50	2.80	32.00	23.00	0.00	31.00	20.00
10	0.00	39.50	23.50	0.00	30.00	20.00	0.00	32.00	23.00	0.00	30.50	20.00
11	0.00	39.00	23.00	0.00	31.00	20.50	2.00	31.50	22.50	0.00	31.00	20.00
12	0.00	38.00	22.00	0.00	31.00	20.50	3.00	31.50	22.50	0.00	31.00	20.50
13	0.00	37.00	21.50	3.60	30.50	20.00	0.00	32.00	22.00	0.00	32.00	20.00
14	0.00	38.00	22.00	2.20	30.50	20.00	6.00	31.50	22.50	6.00	31.00	20.00
15	0.00	37.00	21.50	0.00	31.00	21.00	4.60	30.50	22.00	0.00	30.50	20.50
16	15.80	35.00	20.50	15.60	30.50	21.00	10.60	30.00	21.00	0.00	31.50	21.00
17	0.00	35.00	20.50	0.00	30.00	20.00	32.00	29.00	20.00	0.00	32.00	20.00
18	0.00	34.00	20.00	2.80	29.00	19.00	11.00	29.00	20.00	2.60	30.00	19.50
19	0.00	33.50	20.00	2.40	29.00	19.00	10.00	29.00	20.00	0.00	29.50	20.50
20	0.00	33.00	19.50	0.00	29.00	20.00	0.00	29.50	20.50	0.00	30.50	22.00
21	10.60	31.00	18.50	0.00	30.00	21.00	0.00	29.50	20.00	0.00	32.00	22.00
22	0.00	30.00	18.00	2.00	29.00	20.50	0.00	30.00	20.00	0.00	32.50	23.00
23	0.00	29.00	18.00	0.00	29.00	20.00	0.00	29.50	19.50	0.00	33.50	23.00
24	0.00	28.50	17.50	0.00	29.50	20.00	0.00	29.50	19.00	2.40	33.50	21.00
25	0.00	28.00	17.50	0.00	30.00	20.00	0.00	30.00	19.50	0.00	32.00	21.50
26	0.00	27.50	17.00	0.00	30.50	19.50	0.00	31.00	20.50	0.00	33.00	21.50
27	0.00	28.00	18.00	0.00	30.50	20.00	0.00	33.00	22.00	0.00	33.00	21.00
28	0.00	30.00	20.00	1.80	31.00	20.00	0.00	34.50	23.50	0.00	32.00	21.00
29	0.00	30.50	20.00	0.00	31.00	20.00	0.00	36.00	24.00	0.00	32.00	22.00
30	0.00	31.50	21.50	5.60	31.00	20.00	0.00	37.00	25.00	0.00	33.00	22.00
31				0.00	30.00	19.00	2.00	38.00	25.00			
Max.	15.80	41.00		40.60	32.50		69.80	38.00		6.00	36.00	
Min.	0.00		17.00	0.00		19.00	0.00		19.00	0.00		19.50
Monthly total	27.80			137.80			156.60			12.80		
Monthly Average		35.17	21.22		30.23	20.16		31.52	27.08		32.38	21.08

Daily Observed Meteorological Data												
Name of Site: Ankinghat			Measuring Authority : MGD2				Code: GG00017					
Name of River / Tributary: Ganga							Year : 2016-17					
Month	Oct-16			Nov-16			Dec-16			Jan-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	30.00	19.00	0.00	30.50	18.50	0.00	24.00	16.00	0.00	14.50	5.00
2	0.00	30.50	20.00	0.00	30.00	18.00	0.00	23.50	16.00	0.00	14.50	5.00
3	0.00	31.00	20.50	0.00	29.50	17.50	0.00	23.50	16.00	0.00	13.50	5.00
4	0.00	31.50	21.00	0.00	29.00	17.00	0.00	23.00	15.00	0.00	13.50	5.00
5	0.00	31.50	22.00	0.00	29.00	17.00	0.00	22.00	14.00	0.00	14.00	6.00
6	33.20	32.00	23.00	0.00	28.50	18.00	0.00	21.00	13.00	0.00	15.00	7.00
7	0.00	32.50	23.00	0.00	28.50	18.00	0.00	20.50	12.00	0.00	16.00	8.00
8	0.00	32.50	23.00	0.00	28.50	18.00	0.00	20.00	11.00	0.00	17.00	9.00
9	0.00	32.00	23.00	0.00	28.00	18.00	0.00	19.00	11.00	0.00	16.00	8.00
10	0.00	32.00	23.00	0.00	27.50	17.50	0.00	18.50	10.50	0.00	17.00	9.00
11	2.60	31.50	22.50	0.00	27.50	17.00	0.00	18.50	10.50	0.00	16.00	8.50
12	0.00	31.50	22.50	0.00	27.00	17.00	0.00	18.50	10.50	0.00	17.00	9.00
13	0.00	32.00	22.00	0.00	27.00	17.50	0.00	18.00	10.00	0.00	16.00	8.00
14	0.00	31.50	22.50	0.00	27.50	17.50	0.00	19.00	11.00	0.00	16.00	8.00
15	0.00	30.50	22.00	0.00	27.50	18.00	0.00	20.00	12.00	0.00	17.00	9.00
16	0.00	30.00	21.00	0.00	27.50	18.00	0.00	19.00	11.00	0.00	17.50	9.50
17	0.00	29.00	20.00	0.00	28.50	18.00	0.00	19.50	11.50	0.00	17.00	9.00
18	0.00	29.00	20.00	0.00	29.00	18.00	0.00	20.00	12.00	0.00	16.00	8.00
19	0.00	29.00	20.00	0.00	29.00	18.00	0.00	21.00	12.50	0.00	17.00	9.00
20	0.00	29.50	20.50	0.00	29.00	17.50	0.00	21.50	12.00	0.00	18.00	8.00
21	0.00	29.50	20.00	0.00	28.50	17.50	0.00	21.00	11.00	0.00	17.00	7.00
22	0.00	30.00	20.00	0.00	28.50	17.00	0.00	20.00	10.00	0.00	18.00	8.00
23	0.00	29.50	19.50	0.00	28.00	16.50	0.00	20.00	10.00	0.00	18.00	8.00
24	0.00	29.50	19.00	0.00	28.00	16.50	0.00	19.00	9.00	0.00	19.00	9.00
25	0.00	30.00	19.50	0.00	27.00	16.00	0.00	18.00	8.50	0.00	19.50	9.50
26	0.00	31.00	20.50	0.00	26.00	16.00	0.00	17.00	8.00	0.00	19.50	10.00
27	0.00	33.00	22.00	0.00	25.00	16.00	0.00	17.50	8.00	27.00	17.50	8.50
28	0.00	34.50	23.50	0.00	24.00	16.00	0.00	18.00	8.00	0.00	17.00	8.00
29	0.00	36.00	24.00	0.00	24.00	16.00	0.00	17.00	7.00	0.00	17.00	8.00
30	0.00	37.00	25.00	0.00	24.00	16.00	0.00	16.00	6.00	0.00	17.50	8.50
31	0.00	38.00	25.00				0.00	15.00	5.50	0.00	18.00	9.00
Max.	33.20	38.00		0.00	30.50		0.00	24.00		27.00	19.50	
Min.	0.00		19.00	0.00		16.00	0.00		5.50	0.00		5.00
Monthly total	35.80			0.00			0.00			27.00		
Monthly Average		31.52	21.56		27.72	17.25		19.63	10.92		16.66	7.95

Daily Observed Meteorological Data												
Name of Site: Ankinghat				Measuring Authority : MGD2				Code: GG00017				
Name of River / Tributary: Ganga								Year : 2016-17				
Month	Feb-17			Mar-17			Apr-17			May-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	23.00	10.00	0.00	25.50	16.00	0.00	35.00	20.00	0.00	41.00	22.00
2	0.00	24.00	10.00	0.00	25.00	15.50	0.00	36.00	21.00	0.00	41.50	22.50
3	0.00	24.50	11.00	0.00	24.50	15.00	0.00	37.00	21.50	0.00	41.50	23.00
4	0.00	24.50	11.00	0.00	24.00	15.00	0.00	38.00	22.00	0.00	40.00	25.00
5	0.00	25.00	12.00	0.00	24.50	14.50	0.00	38.50	22.50	0.00	40.50	25.00
6	0.00	24.50	11.00	0.00	24.50	14.00	0.00	38.00	22.00	0.00	40.50	25.00
7	0.00	24.00	10.00	0.00	25.00	14.00	0.00	38.50	22.00	0.00	40.00	24.50
8	0.00	23.50	11.00	0.00	26.50	15.00	0.00	38.00	22.50	0.00	40.00	24.50
9	0.00	23.00	12.00	0.00	27.00	15.00	0.00	36.00	22.00	0.00	40.00	25.00
10	0.00	24.00	13.00	15.00	25.00	13.00	0.00	35.00	20.00	0.00	41.00	25.00
11	0.00	25.00	13.00	3.00	24.00	13.00	0.00	36.00	18.00	0.00	40.00	24.00
12	0.00	24.50	13.50	6.40	23.00	12.00	0.00	37.00	19.00	0.00	41.00	25.00
13	0.00	25.50	13.50	0.00	24.00	13.00	0.00	38.00	20.00	0.00	42.00	26.00
14	0.00	26.00	13.00	0.00	25.00	14.00	0.00	38.50	21.00	0.00	43.00	26.00
15	0.00	26.00	13.50	0.00	26.00	14.00	0.00	39.00	21.50	0.00	43.50	27.00
16	0.00	26.00	14.00	0.00	26.00	14.00	0.00	40.00	21.50	0.00	44.00	28.50
17	0.00	25.50	14.50	0.00	27.00	15.00	0.00	41.00	21.50	0.00	44.50	29.00
18	0.00	26.00	15.00	0.00	27.00	15.00	0.00	41.00	22.00	4.40	42.50	28.00
19	0.00	25.00	15.00	0.00	27.50	15.50	0.00	43.00	22.00	4.80	41.00	27.00
20	0.00	24.00	15.50	0.00	28.00	15.50	0.00	44.00	24.00	0.00	41.00	27.00
21	0.00	23.00	16.00	0.00	28.50	16.00	0.00	42.00	24.00	0.00	41.50	27.00
22	0.00	22.00	17.00	0.00	28.00	16.50	0.00	42.00	22.00	0.00	42.00	28.00
23	0.00	23.00	16.00	0.00	29.00	17.50	0.00	42.00	22.00	0.00	42.50	27.50
24	0.00	24.00	15.00	0.00	30.00	18.00	0.00	42.00	22.00	0.00	42.50	28.00
25	0.00	25.00	15.00	0.00	31.50	18.50	0.00	41.00	21.50	0.00	43.00	28.50
26	0.00	26.00	15.50	0.00	31.00	18.00	0.00	42.00	21.50	0.00	44.00	29.00
27	0.00	27.00	15.50	0.00	31.50	18.50	0.00	42.00	21.50	0.00	44.00	29.50
28	0.00	28.00	16.00	0.00	31.00	18.00	0.00	41.00	21.00	0.00	43.50	29.00
29				0.00	31.50	18.50	0.00	41.00	21.50	0.00	43.00	28.50
30				0.00	33.00	19.50	0.00	41.50	22.00	0.00	43.00	28.00
31				0.00	34.00	20.00				0.00	43.50	28.00
Max.	0.00	28.00		15.00	34.00		0.00	44.00		4.80	44.50	
Min.	0.00		10.00	0.00		12.00	0.00		18.00	0.00		22.00
Monthly total	0.00			24.40			0.00			9.20		
Monthly Average		24.70	13.48		27.35	15.71		39.47	21.50		41.97	26.45

Daily Observed Meteorological Data

Name of Site: Kanpur

Measuring Authority : MGD2

Code: GG000J3

Name of River / Tributary: Ganga

Year : 2016-17

Month

Jan 16

Feb 16

Mar 16

Apr 16

Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	35.50	26.50	0.00	39.00	27.50	0.60	28.00	23.50	2.00	34.50	24.50
2	0.00	40.50	26.00	22.60	36.50	28.00	0.00	29.50	25.00	0.00	34.00	24.00
3	0.00	41.00	29.50	9.60	30.00	27.00	0.00	33.00	26.50	0.00	34.00	26.50
4	0.00	41.00	29.50	9.60	34.00	24.50	2.20	33.00	25.50	0.00	34.00	26.00
5	0.00	37.50	30.50	1.60	31.50	24.50	0.00	34.00	27.00	0.00	34.50	26.50
6	0.00	41.00	29.50	1.20	33.00	25.00	0.00	35.00	28.00	0.00	34.00	25.00
7	0.00	41.50	29.00	6.00	32.50	24.00	0.00	31.50	28.00	0.00	32.00	25.50
8	13.40	41.50	29.00	13.00	30.00	24.50	0.00	30.50	27.00	0.00	34.00	25.50
9	0.00	37.50	26.00	0.00	30.00	25.00	7.20	33.00	27.00	0.00	33.00	26.00
10	0.00	40.00	26.50	0.00	35.00	25.00	0.00	32.00	26.00	0.00	35.00	25.50
11	1.00	40.00	26.50	11.60	35.00	26.50	7.00	31.50	24.50	0.00	35.00	26.00
12	0.00	42.50	30.50	0.00	34.50	26.00	50.40	32.50	25.50	0.00	36.00	25.50
13	0.00	42.00	29.50	11.60	29.00	26.00	0.00	34.00	25.00	43.00	35.00	25.00
14	0.00	42.00	31.50	8.80	34.00	25.00	0.80	33.00	26.50	0.00	27.50	24.00
15	0.00	40.00	29.00	3.00	39.50	26.00	33.60	32.50	27.00	0.00	31.50	24.50
16	3.00	38.50	24.00	36.60	38.00	27.00	12.00	32.00	26.00	2.00	32.00	25.00
17	0.00	36.50	24.50	2.40	31.00	25.00	4.60	31.50	26.00	3.00	33.00	25.00
18	0.00	37.50	28.00	1.00	28.00	25.00	4.60	32.00	24.50	17.20	32.00	25.00
19	10.00	35.00	28.50	19.80	31.00	25.00	1.00	31.00	25.00	1.00	32.00	26.00
20	0.00	34.00	24.50	0.00	35.50	25.00	0.00	32.00	27.00	0.00	33.50	24.00
21	1.60	32.00	27.00	0.00	34.00	27.00	0.00	33.00	25.00	0.00	34.50	25.00
22	37.40	31.00	23.00	0.00	34.00	28.00	0.00	31.00	24.00	0.00	33.00	26.50
23	28.80	27.00	23.50	2.00	30.00	26.50	1.00	29.50	25.00	0.00	31.00	25.00
24	0.00	35.00	23.50	4.80	34.00	26.00	5.00	33.00	25.50	2.60	31.50	26.00
25	0.00	34.00	26.50	47.00	34.00	26.00	0.00	35.00	25.00	0.00	31.50	24.00
26	0.00	34.00	26.50	0.00	35.00	25.50	0.00	34.00	25.50	0.00	33.00	23.50
27	1.20	36.50	26.50	0.00	32.00	27.00	0.00	35.00	26.00	0.00	31.50	24.50
28	0.00	36.00	24.00	9.60	31.00	26.50	0.00	35.00	26.00	0.00	32.50	28.00
29	0.00	37.00	26.00	32.80	33.50	25.00	0.00	35.00	27.50	0.00	33.00	23.00
30	0.00	38.00	27.50	72.00	30.00	24.00	4.00	34.50	27.00	0.00	32.50	24.00
31				28.80	31.50	23.00	9.60	33.00	27.00			
Max.	37.40	42.50		72.00	39.50		50.40	35.00		43.00	36.00	
Min.	0.00		23.00	0.00		23.00	0.00		23.50	0.00		23.00
Monthly total	96.40			355.40			143.60			70.80		
Monthly Average		37.52	27.08		33.10	25.68		32.56	25.94		33.02	25.15

Daily Observed Meteorological Data												
Name of Site: Kanpur				Measuring Authority : MGD2				Code: GG000J3				
Name of River / Tributary: Ganga								Year : 2016-17				
Month	Oct-16			Nov-16			Dec-16			Jan-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	34.00	25.00	0.00	31.50	14.50	0.00	25.00	13.00	0.00	18.50	8.50
2	0.00	35.00	25.50	0.00	31.00	13.50	0.00	23.00	14.00	0.00	18.50	11.50
3	0.00	36.00	26.50	0.00	31.50	13.50	0.00	20.50	14.50	0.00	18.50	12.00
4	0.00	36.50	25.50	0.00	32.00	15.00	0.00	19.00	13.50	0.00	19.50	11.50
5	0.00	37.00	26.00	0.00	31.00	14.00	0.00	21.50	12.00	0.00	19.00	11.50
6	45.60	36.50	27.50	0.00	30.00	14.00	0.00	24.50	8.50	0.00	21.50	8.00
7	0.00	30.50	18.50	0.00	30.00	13.00	0.00	16.50	10.50	0.00	22.00	8.50
8	0.00	31.00	20.00	0.00	32.00	13.00	0.00	19.50	12.50	0.00	19.00	11.50
9	9.20	32.00	25.50	0.00	30.00	15.50	0.00	17.50	9.00	0.80	18.00	11.50
10	0.00	32.00	23.50	0.00	29.50	13.50	0.00	19.50	9.50	0.00	21.00	9.00
11	0.00	34.00	23.00	0.00	30.00	12.00	0.00	19.00	9.50	0.00	20.00	9.00
12	0.00	33.50	22.00	0.00	29.00	10.50	0.00	26.50	10.50	0.00	18.50	5.50
13	0.00	34.00	20.00	0.00	29.50	13.00	0.00	25.50	17.00	0.00	18.00	2.00
14	0.00	34.50	18.50	0.00	30.00	12.50	0.00	27.50	10.00	0.00	17.50	1.50
15	0.00	34.00	18.00	0.00	30.00	12.00	0.00	27.00	9.50	0.00	20.00	3.50
16	0.00	34.50	17.50	0.00	30.00	12.00	0.00	26.00	8.00	0.00	22.00	4.00
17	0.00	34.00	17.50	0.00	28.50	12.00	0.00	24.00	6.50	0.00	24.00	5.00
18	0.00	33.50	16.50	0.00	28.50	12.00	0.00	25.00	7.00	0.00	18.00	8.50
19	0.00	33.00	18.00	0.00	27.50	12.50	0.00	26.00	7.50	0.00	18.00	6.00
20	0.00	32.50	16.00	0.00	28.50	11.00	0.00	24.50	6.00	0.00	22.00	5.00
21	0.00	33.00	17.00	0.00	28.50	10.50	0.00	24.00	6.00	0.00	22.50	8.00
22	0.00	34.50	17.00	0.00	28.50	10.00	0.00	25.00	11.00	0.00	21.50	9.00
23	0.00	34.50	18.00	0.00	30.50	11.00	0.00	23.50	7.00	0.00	24.50	7.00
24	0.00	33.50	19.50	0.00	29.50	16.00	0.00	23.50	7.50	0.00	25.50	9.00
25	0.00	34.00	17.50	0.00	28.00	11.00	0.00	23.50	6.50	0.00	25.50	11.50
26	0.00	34.00	16.50	0.00	30.00	13.50	0.00	26.00	7.00	0.00	26.50	10.00
27	0.00	33.00	16.50	0.00	26.50	14.50	0.00	24.00	9.50	23.00	24.50	8.00
28	0.00	33.50	15.00	0.00	29.50	11.50	0.00	23.00	10.00	0.00	20.50	11.50
29	0.00	32.50	14.00	0.00	29.00	15.00	0.00	22.00	7.00	0.00	20.00	10.00
30	0.00	32.50	14.50	0.00	26.50	9.00	0.00	15.50	10.50	0.00	21.50	11.00
31	0.00	31.50	14.00				0.00	19.00	9.50	0.00	21.50	8.00
Max.	45.60	37.00		0.00	32.00		0.00	27.50		23.00	26.50	
Min.	0.00		14.00	0.00		9.00	0.00		6.00	0.00		1.50
Monthly total	54.80			0.00			0.00			23.80		
Monthly Average		33.69	19.68		29.55	12.70		22.79	9.68		20.89	8.27

Daily Observed Meteorological Data												
Name of Site: Kanpur				Measuring Authority : MGD2				Code: GG000J3				
Name of River / Tributary: Ganga								Year : 2016-17				
Month	Feb-17			Mar-17			Apr-17			May-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	9.00	22.00	0.00	30.50	18.50	0.00	40.50	20.00	0.00	39.50	25.50
2	0.00	9.50	23.00	0.00	30.00	18.00	0.00	41.00	20.50	0.00	40.00	25.00
3	0.00	8.50	23.00	0.00	29.50	17.50	0.00	40.50	20.50	0.00	39.00	22.00
4	0.00	10.00	24.00	0.00	29.00	17.00	0.00	41.00	20.00	0.00	42.00	22.00
5	0.00	9.00	24.00	0.00	29.00	17.00	0.00	36.00	21.50	0.00	42.00	22.00
6	0.00	9.00	26.00	0.00	28.50	18.00	0.00	38.00	22.50	0.00	40.50	26.00
7	0.00	13.00	25.00	0.00	28.50	18.00	3.60	38.50	24.00	0.00	41.00	22.50
8	0.00	11.00	22.00	0.00	28.50	18.00	0.00	36.50	24.00	0.00	43.00	23.00
9	0.00	9.50	24.00	0.00	28.00	18.00	0.00	33.50	20.00	0.00	43.00	24.00
10	0.00	8.50	24.50	0.00	27.50	17.50	0.00	35.00	16.50	0.00	39.00	28.00
11	0.00	10.00	22.50	0.90	27.50	17.50	0.00	36.50	18.50	0.00	36.50	24.00
12	0.00	7.50	23.50	0.00	27.00	17.00	0.00	39.00	20.50	0.00	36.50	25.50
13	0.00	8.50	25.00	0.00	27.50	17.00	0.00	40.00	19.00	0.00	40.00	26.00
14	0.00	10.00	25.00	0.00	27.50	17.50	0.00	39.50	17.50	0.00	41.50	29.00
15	0.00	9.50	24.00	0.00	27.50	17.50	0.00	41.50	23.00	0.00	44.50	27.00
16	0.00	9.00	25.00	0.00	28.50	17.50	0.00	37.00	21.50	0.00	43.00	28.00
17	0.00	11.00	26.00	0.00	29.00	18.00	0.00	38.00	22.50	0.00	43.50	28.00
18	0.00	11.00	27.50	0.00	29.00	18.00	0.00	42.00	25.00	1.00	43.50	28.00
19	0.00	13.00	28.00	0.00	29.00	18.00	0.00	43.00	24.50	0.00	35.00	30.00
20	0.00	13.50	29.00	0.00	29.00	18.00	0.00	42.00	23.00	0.00	39.50	22.00
21	0.00	13.50	31.50	0.00	29.00	18.00	0.00	38.00	23.50	0.00	40.50	24.50
22	0.00	10.50	27.00	0.00	29.00	17.50	0.00	48.00	25.00	3.80	39.50	27.00
23	0.00	11.00	27.50	0.00	29.00	17.50	0.00	39.00	25.00	0.00	40.50	24.50
24	0.00	9.50	26.00	0.00	28.50	17.00	0.00	40.00	28.00	0.00	42.00	26.00
25	0.00	10.50	25.50	0.00	28.50	17.00	0.00	39.50	25.00	0.00	39.00	26.50
26	0.00	12.50	26.50	0.00	28.00	16.50	0.00	39.00	27.00	0.00	39.00	26.50
27	0.00	12.00	27.00	0.00	28.00	16.50	0.00	39.00	24.00	0.00	41.00	26.00
28	0.00	11.00	28.50	0.00	27.00	16.50	0.00	39.00	22.00	0.00	37.50	27.00
29				0.00	26.00	16.50	0.00	40.00	21.50	34.40	34.50	25.50
30				0.00	25.00	16.00	0.20	40.50	22.50	0.00	34.00	20.00
31				0.00	24.00	16.00				0.00	36.00	24.00
Max.	0.00	13.50		0.90	30.50		3.60	48.00		34.40	44.50	
Min.	0.00		22.00	0.00		16.00	0.00		16.50	0.00		20.00
Monthly total	0.00			0.90			3.80			39.20		
Monthly Average		10.38	25.45		28.15	17.37		39.37	22.27		39.87	25.32

Daily Observed Meteorological Data												
Name of Site: Bhitaura				Measuring Authority : MGD2				Code: GG000E7				
Name of River / Tributary: Ganga								Year : 2016-17				
Month	Jun-16			Jul-16			Aug-16			Sep-16		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	37.00	35.00	0.00	39.00	26.00	1.80	33.00	20.00	8.00	34.00	20.00
2	0.00	37.00	35.00	27.00	35.00	24.00	1.80	33.00	20.00	0.00	33.00	20.00
3	0.00	40.00	37.00	62.60	34.00	22.00	0.00	33.00	19.00	2.00	34.00	21.00
4	0.00	40.00	38.00	4.80	34.00	21.00	0.00	34.00	20.00	0.00	34.00	20.00
5	0.00	40.00	37.00	61.20	33.00	19.00	0.00	34.00	20.00	4.60	33.00	20.00
6	0.00	41.00	38.00	42.80	33.00	19.00	0.00	35.00	20.00	0.00	35.00	20.00
7	0.00	41.00	38.00	4.00	33.00	19.00	0.00	35.00	20.00	0.00	34.00	21.00
8	15.00	40.00	36.00	0.00	34.00	20.00	0.00	34.00	19.00	0.00	35.00	20.00
9	0.00	42.00	36.00	3.60	34.00	19.00	0.00	33.00	20.00	4.20	35.00	19.00
10	0.00	39.00	36.00	0.00	34.00	19.00	0.00	33.00	20.00	0.00	34.00	19.00
11	0.00	39.00	37.00	0.00	36.00	22.00	0.00	34.00	20.00	0.00	36.00	20.00
12	0.00	42.00	38.00	42.00	36.00	22.00	0.00	34.00	20.00	0.00	36.00	22.00
13	0.00	41.00	39.00	0.00	36.00	21.00	0.00	34.00	20.00	0.00	34.00	21.00
14	0.40	41.00	39.00	0.00	34.00	21.00	32.20	35.00	20.00	0.00	34.00	20.00
15	1.20	41.00	36.00	5.00	34.00	21.00	24.40	34.00	22.00	0.00	34.00	20.00
16	0.00	38.00	35.00	9.60	34.00	21.00	12.20	32.00	17.00	0.00	34.00	20.00
17	0.00	38.00	35.00	0.00	33.00	22.00	76.40	32.00	17.00	4.20	34.00	20.00
18	0.00	38.00	35.00	19.20	33.00	21.00	0.00	33.00	22.00	0.00	34.00	20.00
19	4.20	37.00	35.00	0.00	32.00	20.00	24.20	32.00	22.00	2.00	34.00	20.00
20	0.00	37.00	35.00	0.00	32.00	21.00	0.00	32.00	22.00	0.00	35.00	20.00
21	1.40	37.00	35.00	0.00	33.00	21.00	0.00	32.00	22.00	0.00	34.00	21.00
22	9.40	37.00	35.00	0.00	34.00	21.00	0.00	32.00	21.00	0.00	33.00	20.00
23	31.40	36.00	31.00	9.80	34.00	21.00	13.80	32.00	17.00	0.00	34.00	20.00
24	13.60	35.50	32.00	0.00	34.00	20.00	15.00	32.00	17.00	35.00	33.00	21.00
25	1.60	33.00	20.00	0.00	34.00	20.00	0.00	31.00	18.00	0.00	32.00	21.00
26	0.00	35.00	21.00	0.00	34.00	20.00	0.00	34.00	21.00	0.00	33.00	21.00
27	0.00	37.00	24.00	0.00	34.00	20.00	0.00	33.00	21.00	0.00	32.00	21.00
28	0.00	37.00	24.00	22.20	34.00	20.00	0.00	32.00	20.00	0.00	33.00	21.00
29	0.00	38.00	21.00	16.00	34.00	20.00	0.00	36.00	22.00	0.00	32.00	21.00
30	0.00	38.00	25.00	0.00	34.00	20.00	0.00	37.00	23.00	0.00	31.00	21.00
31				0.00	34.00	20.00	0.00	37.00	21.00			
Max.	31.40	42.00		62.60	39.00		76.40	37.00		35.00	36.00	
Min.	0.00		20.00	0.00		19.00	0.00		17.00	0.00		19.00
Monthly total	78.20			329.80			201.80			60.00		
Monthly Average												

Daily Observed Meteorological Data												
Name of Site: Bhitaura				Measuring Authority : MGD2				Code: GG000E7				
Name of River / Tributary: Ganga				Year : 2016-17								
Month	Oct-16			Nov-16			Dec-16			Jan-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	33.00	21.00	0.00	29.00	13.00	0.00	23.00	10.00	0.00	16.00	5.00
2	0.00	34.00	20.00	0.00	28.00	13.00	0.00	23.00	11.00	0.00	18.00	4.00
3	0.00	34.00	21.00	0.00	28.00	13.00	0.00	22.00	10.00	0.00	18.00	4.00
4	0.00	34.00	22.00	0.00	28.00	13.00	0.00	23.00	10.00	0.00	18.00	4.00
5	0.00	35.00	22.00	0.00	28.00	13.00	0.00	23.00	8.00	0.00	17.00	5.00
6	50.00	35.00	21.00	0.00	28.00	13.00	0.00	23.00	8.00	0.00	20.00	5.00
7	0.00	35.00	21.00	0.00	28.00	12.00	0.00	22.00	6.00	0.00	20.00	5.00
8	0.00	31.00	21.00	0.00	28.00	12.00	0.00	20.00	5.00	0.00	20.00	5.00
9	0.00	32.00	21.00	0.00	27.00	13.00	0.00	19.00	5.00	0.00	20.00	5.00
10	0.00	33.00	21.00	0.00	28.00	12.00	0.00	18.00	5.00	1.80	20.00	5.00
11	0.00	32.00	18.00	0.00	27.00	12.00	0.00	18.00	5.00	0.00	21.00	4.00
12	0.00	33.00	18.00	0.00	26.00	11.00	0.00	18.00	5.00	0.00	22.00	4.00
13	0.00	32.00	18.00	0.00	25.00	11.00	0.00	19.00	5.00	0.00	18.00	3.00
14	0.00	32.00	18.00	0.00	25.00	11.00	0.00	20.00	7.00	0.00	16.00	3.00
15	0.00	32.00	18.00	0.00	24.00	11.00	0.00	20.00	7.00	0.00	17.00	3.00
16	0.00	32.00	18.00	0.00	25.00	10.00	0.00	22.00	7.00	0.00	16.00	3.00
17	0.00	31.00	18.00	0.00	25.00	10.00	0.00	22.00	6.00	0.00	17.00	3.00
18	0.00	31.00	20.00	0.00	25.00	10.00	0.00	21.00	6.00	0.00	16.00	3.00
19	0.00	31.00	18.00	0.00	24.00	10.00	0.00	20.00	6.00	0.00	16.00	4.00
20	0.00	31.00	17.00	0.00	24.00	10.00	2.00	20.00	5.00	0.00	16.00	3.00
21	0.00	31.00	17.00	0.00	24.00	10.00	0.00	21.00	5.00	0.00	16.00	3.00
22	0.00	30.00	16.00	0.00	24.00	10.00	0.00	21.00	5.00	0.00	17.00	3.00
23	0.00	32.00	16.00	0.00	26.00	10.00	0.00	20.00	5.00	0.00	20.00	4.00
24	0.00	32.00	16.00	0.00	26.00	9.00	0.00	21.00	5.00	0.00	22.00	7.00
25	0.00	32.00	15.00	0.00	25.00	9.00	0.00	20.00	5.00	0.00	21.00	7.00
26	0.00	30.00	16.00	0.00	24.00	10.00	0.00	21.00	5.00	0.00	24.00	7.00
27	0.00	31.00	16.00	0.00	24.00	10.00	0.00	19.00	5.00	2.40	24.00	8.00
28	0.00	31.00	16.00	0.00	24.00	10.00	0.00	19.00	5.00	3.00	22.00	7.00
29	0.00	31.00	14.00	0.00	24.00	10.00	0.00	19.00	5.00	0.00	22.00	7.00
30	0.00	29.00	15.00	0.00	24.00	9.00	0.00	18.00	5.00	0.00	21.00	6.00
31	0.00	28.00	14.00				0.00	17.00	5.00	0.00	21.00	6.00
Max.	50.00	35.00		0.00	29.00		2.00	23.00		3.00	24.00	
Min.	0.00		14.00	0.00		9.00	0.00		5.00	0.00		3.00
Monthly total	50.00			0.00			2.00			7.20		
Monthly Average												

Daily Observed Meteorological Data												
Name of Site: Bhitaura				Measuring Authority : MGD2			Code: GG000E7					
Name of River / Tributary: Ganga							Year : 2016-17					
Month	Feb-17			Mar-17			Apr-17			May-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	21.00	6.00	0.00	26.00	11.00	0.00	37.00	20.00	0.00	38.00	22.00
2	0.00	21.00	6.00	0.00	26.00	11.00	0.00	37.00	20.00	0.00	38.00	22.00
3	0.00	21.00	6.00	0.00	28.00	12.00	0.00	36.00	20.00	0.00	38.00	22.00
4	0.00	22.00	6.00	0.00	28.00	12.00	0.00	38.00	21.00	0.00	36.00	23.00
5	0.00	22.00	6.00	0.00	28.00	12.00	0.00	36.00	21.00	0.00	36.00	23.00
6	0.00	22.00	6.00	0.00	27.00	11.00	0.00	37.00	21.00	0.00	37.00	24.00
7	0.00	24.00	9.00	0.00	27.00	11.00	0.00	36.00	21.00	0.00	39.00	25.00
8	0.00	24.00	7.00	0.00	27.00	11.00	0.00	37.00	22.00	0.00	40.00	25.00
9	0.00	24.00	7.00	0.00	27.00	12.00	0.00	37.00	20.00	0.00	40.00	25.00
10	0.00	24.00	7.00	0.00	28.00	12.00	0.00	35.00	19.00	0.00	43.00	24.00
11	0.00	23.00	7.00	0.00	28.00	12.00	0.00	34.00	18.00	0.00	40.00	24.00
12	0.00	23.00	7.00	0.00	27.00	11.00	0.00	34.00	18.00	0.00	40.00	24.00
13	0.00	23.00	7.00	0.00	28.00	12.00	0.00	35.00	19.00	0.00	40.00	24.00
14	0.00	24.00	8.00	0.00	27.00	11.00	0.00	35.00	19.00	0.00	42.00	26.00
15	0.00	24.00	8.00	0.00	28.00	12.00	0.00	36.00	18.00	0.00	42.00	26.00
16	0.00	24.00	8.00	0.00	28.00	12.00	0.00	36.00	19.00	0.00	41.00	26.00
17	0.00	24.00	8.00	0.00	27.00	11.00	0.00	36.00	18.00	0.00	41.00	26.00
18	0.00	24.00	8.00	0.00	29.00	13.00	0.00	37.00	18.00	0.00	40.00	24.00
19	0.00	25.00	8.00	0.00	29.00	13.00	0.00	37.00	17.00	0.00	42.00	26.00
20	0.00	25.00	8.00	0.00	29.00	14.00	0.00	39.00	24.00	0.00	41.00	25.00
21	0.00	25.00	10.00	0.00	29.00	14.00	0.00	38.00	24.00	0.00	42.00	27.00
22	0.00	25.00	9.00	0.00	29.00	14.00	0.00	39.00	24.00	0.00	40.00	25.00
23	0.00	25.00	10.00	0.00	29.00	15.00	3.80	38.00	21.00	0.00	39.00	24.00
24	0.00	24.00	9.00	0.00	29.00	15.00	0.00	38.00	22.00	0.00	39.00	24.00
25	0.00	24.00	9.00	0.00	29.00	15.00	0.00	38.00	22.00	0.00	40.00	25.00
26	0.00	25.00	10.00	0.00	29.00	15.00	0.00	38.00	22.00	0.00	40.00	25.00
27	0.00	25.00	10.00	0.00	29.00	15.00	0.00	38.00	22.00	0.00	42.00	25.00
28	0.00	26.00	10.00	0.00	29.00	15.00	0.00	39.00	22.00	0.00	40.00	25.00
29				0.00	30.00	16.00	0.00	40.00	22.00	0.00	39.00	24.00
30				0.00	30.00	16.00	0.00	38.00	21.00	0.00	40.00	25.00
31				0.00	35.00	20.00				1.00	40.00	25.00
Max.	0.00	26.00		0.00	35.00		3.80	40.00		1.00	43.00	
Min.	0.00		6.00	0.00		11.00	0.00		17.00	0.00		22.00
Monthly total	0.00			0.00			3.80			1.00		
Monthly Average												

Daily Observed Meteorological Data												
Name of Site: Dalmau				Measuring Authority : MGD2				Code: GG000D9				
Name of River / Tributary: Ganga								Year : 2016-17				
Month	Jun-16			Jul-16			Aug-16			Sep-16		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00			0.00			10.20			10.20		
2	0.00			12.20			0.00			0.00		
3	0.00			10.20			8.20			0.00		
4	0.00			0.00			0.00			0.00		
5	0.00			15.60			0.00			0.00		
6	0.00			10.20			0.00			0.00		
7	8.60			10.80			0.00			0.00		
8	0.00			0.00			0.00			0.00		
9	0.00			5.20			0.00			0.00		
10	0.00			0.00			0.00			0.00		
11	0.00			0.00			2.20			0.00		
12	0.00			0.00			0.00			0.00		
13	0.00			0.00			0.00			0.00		
14	0.00			0.00			30.20			0.00		
15	0.00			5.20			95.60			0.00		
16	0.00			0.00			10.20			0.00		
17	0.00			20.20			20.20			15.20		
18	2.20			0.00			0.00			0.00		
19	0.00			10.20			5.20			0.00		
20	0.00			0.00			0.00			0.00		
21	10.20			0.00			0.00			0.00		
22	0.00			14.20			0.00			0.00		
23	40.80			0.00			30.80			0.00		
24	0.00			0.00			10.20			0.00		
25	25.20			0.00			0.00			2.20		
26	0.00			0.00			0.00			0.00		
27	0.00			0.00			0.00			0.00		
28	0.00			20.60			0.00			0.00		
29	0.00			0.00			0.00			0.00		
30	0.00			15.20			0.00			0.00		
31				5.40			0.00					
Max.	40.80	0.00		20.60	0.00		95.60	0.00		15.20	0.00	
Min.	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00
Monthly total	87.00			155.20			223.00			27.60		
Monthly Average												

Daily Observed Meteorological Data												
Name of Site: Dalmau				Measuring Authority : MGD2					Code: GG000D9			
Name of River / Tributary: Ganga									Year : 2016-17			
Month	Oct-16			Nov-16			Dec-16			Jan-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00			0.00			0.00			0.00		
2	0.00			0.00			0.00			0.00		
3	0.00			0.00			0.00			0.00		
4	0.00			0.00			0.00			0.00		
5	0.00			0.00			0.00			0.00		
6	38.40			0.00			0.00			0.00		
7	5.20			0.00			0.00			0.00		
8	0.00			0.00			0.00			0.00		
9	20.20			0.00			0.00			0.00		
10	0.00			0.00			0.00			10.20		
11	0.00			0.00			0.00			0.00		
12	0.00			0.00			0.00			0.00		
13	0.00			0.00			0.00			0.00		
14	0.00			0.00			0.00			0.00		
15	0.00			0.00			0.00			0.00		
16	0.00			0.00			0.00			0.00		
17	0.00			0.00			0.00			0.00		
18	0.00			0.00			0.00			0.00		
19	0.00			0.00			0.00			0.00		
20	0.00			0.00			0.00			0.00		
21	0.00			0.00			0.00			0.00		
22	0.00			0.00			0.00			0.00		
23	0.00			0.00			0.00			0.00		
24	0.00			0.00			0.00			0.00		
25	0.00			0.00			0.00			0.00		
26	0.00			0.00			0.00			0.00		
27	0.00			0.00			0.00			5.20		
28	0.00			0.00			0.00			0.00		
29	0.00			0.00			0.00			0.00		
30	0.00			0.00			0.00			0.00		
31	0.00						0.00			0.00		
Max.	38.40	0.00		0.00	0.00		0.00	0.00		10.20	0.00	
Min.	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00
Monthly total	63.80			0.00			0.00			15.40		
Monthly Average												

Daily Observed Meteorological Data												
Name of Site: Dalmau				Measuring Authority : MGD2				Code: GG000D9				
Name of River / Tributary: Ganga								Year : 2016-17				
Month	Feb-17			Mar-17			Apr-17			May-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00			0.00			0.00			0.00		
2	0.00			0.00			0.00			0.00		
3	0.00			0.00			0.00			0.00		
4	0.00			0.00			0.00			0.00		
5	0.00			0.00			0.00			0.00		
6	0.00			0.00			0.00			0.00		
7	0.00			0.00			0.00			0.00		
8	0.00			0.00			0.00			0.00		
9	0.00			0.00			0.00			0.00		
10	0.00			0.00			0.00			0.00		
11	0.00			0.00			0.00			0.00		
12	0.00			0.00			0.00			0.00		
13	0.00			0.00			0.00			0.00		
14	0.00			0.00			0.00			0.00		
15	0.00			0.00			0.00			0.00		
16	0.00			0.00			0.00			0.00		
17	0.00			0.00			0.00			0.00		
18	0.00			0.00			0.00			0.00		
19	0.00			0.00			0.00			0.00		
20	0.00			0.00			0.00			0.00		
21	0.00			0.00			0.00			0.00		
22	0.00			0.00			0.00			0.00		
23	0.00			0.00			0.00			0.00		
24	0.00			0.00			0.00			0.00		
25	0.00			0.00			0.00			0.00		
26	0.00			0.00			0.00			0.00		
27	0.00			0.00			0.00			0.00		
28	0.00			0.00			0.00			0.00		
29				0.00			0.00			18.20		
30				0.00			0.00			0.00		
31				0.00						0.00		
Max.	0.00	0.00		0.00	0.00		0.00	0.00		18.20	0.00	
Min.	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00
Monthly total	0.00			0.00			0.00			18.20		
Monthly Average												

Daily Observed Meteorological Data												
Name of Site: Bewar				Measuring Authority : MGD2				Code: GGIOOE9				
Name of River / Tributary: Kali								Year : 2016-17				
Month	Jun-16			Jul-16			Aug-16			Sep-16		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	42.00	28.00	7.00			19.00			5.00		
2	0.00	39.00	25.00	0.00			6.00			0.00		
3	0.00	39.00	26.00	0.00			3.00			0.00		
4	0.00	40.00	23.00	6.00			0.00			5.00		
5	0.00	39.50	27.00	0.00			0.00			0.00		
6	0.00			0.00			0.00			0.00		
7	0.00			0.00			0.00			0.00		
8	0.00			0.00			0.00			0.00		
9	0.00			0.00			0.00			0.00		
10	0.00			0.00			16.00			0.00		
11	0.00			0.00			15.00			0.00		
12	0.00			0.00			0.00			0.00		
13	0.00			0.00			0.00			4.00		
14	0.00			0.00			0.00			0.00		
15	0.00			25.00			6.00			0.00		
16	0.00			5.00			33.00			0.00		
17	0.00			22.00			25.00			44.00		
18	0.00			9.00			0.00			0.00		
19	0.00			0.00			0.00			55.00		
20	0.00			0.00			0.00			0.00		
21	8.00			0.00			0.00			0.00		
22	20.00			3.00			0.00			0.00		
23	0.00			0.00			0.00			0.00		
24	0.00			0.00			0.00			0.00		
25	0.00			0.00			0.00			0.00		
26	0.00			0.00			23.00			0.00		
27	0.00			20.00			35.00			0.00		
28	10.00			0.00			0.00			0.00		
29	0.00			0.00			0.00			0.00		
30	0.00			2.00			0.00			0.00		
31				18.00			10.00					
Max.	20.00	42.00		25.00	0.00		35.00	0.00		55.00	0.00	
Min.	0.00		23.00	0.00		0.00	0.00		0.00	0.00		0.00
Monthly total	38.00			117.00			191.00			113.00		
Monthly Average		39.90	25.80		#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!

Daily Observed Meteorological Data												
Name of Site: Bewar				Measuring Authority : MGD2				Code: GGIOOE9				
Name of River / Tributary: Kali								Year : 2016-17				
Month	Oct-16			Nov-16			Dec-16			Jan-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00			0.00			0.00			0.00		
2	0.00			0.00			0.00			0.00		
3	0.00			0.00			0.00			0.00		
4	0.00			0.00			0.00			0.00		
5	0.00			0.00			0.00			0.00		
6	55.00			0.00			0.00			0.00		
7	0.00			0.00			0.00			0.00		
8	0.00			0.00			0.00			0.00		
9	0.00			0.00			0.00			0.00		
10	0.00			0.00			0.00			0.00		
11	50.00			0.00			0.00			0.00		
12	0.00			0.00			0.00			0.00		
13	0.00			0.00			0.00			0.00		
14	0.00			0.00			0.00			0.00		
15	0.00			0.00			0.00			0.00		
16	0.00			0.00			0.00			0.00		
17	0.00			0.00			0.00			0.00		
18	0.00			0.00			0.00			0.00		
19	0.00			0.00			0.00			0.00		
20	0.00			0.00			0.00			0.00		
21	0.00			0.00			0.00			0.00		
22	0.00			0.00			0.00			0.00		
23	0.00			0.00			0.00			0.00		
24	0.00			0.00			0.00			0.00		
25	0.00			0.00			0.00			0.00		
26	0.00			0.00			0.00			0.00		
27	0.00			0.00			0.00			10.00		
28	0.00			0.00			0.00			0.00		
29	0.00			0.00			0.00			0.00		
30	0.00			0.00			0.00			0.00		
31	0.00						0.00			0.00		
Max.	55.00	0.00		0.00	0.00		0.00	0.00		10.00	0.00	
Min.	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00
Monthly total	105.00			0.00			0.00			10.00		
Monthly Average		#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!

Daily Observed Meteorological Data												
Name of Site: Bewar				Measuring Authority : MGD2				Code: GGIOOE9				
Name of River / Tributary: Kali								Year : 2016-17				
Month	Feb-17			Mar-17			Apr-17			May-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00			0.00			0.00			0.00		
2	0.00			0.00			0.00			0.00		
3	0.00			0.00			0.00			0.00		
4	0.00			0.00			0.00			0.00		
5	0.00			0.00			0.00			0.00		
6	0.00			0.00			0.00			0.00		
7	0.00			0.00			0.00			0.00		
8	0.00			0.00			0.00			0.00		
9	0.00			0.00			0.00			8.00		
10	0.00			10.00			0.00			0.00		
11	0.00			0.00			0.00			0.00		
12	0.00			0.00			0.00			0.00		
13	0.00			0.00			0.00			0.00		
14	0.00			0.00			0.00			0.00		
15	0.00			0.00			0.00			0.00		
16	0.00			0.00			0.00			0.00		
17	0.00			0.00			0.00			0.00		
18	0.00			0.00			0.00			5.00		
19	0.00			0.00			0.00			4.00		
20	0.00			0.00			0.00			0.00		
21	0.00			0.00			0.00			0.00		
22	0.00			0.00			0.00			0.00		
23	0.00			0.00			0.00			0.00		
24	0.00			0.00			0.00			0.00		
25	0.00			0.00			0.00			0.00		
26	0.00			0.00			0.00			0.00		
27	0.00			0.00			0.00			0.00		
28	0.00			0.00			0.00			4.00		
29				0.00			0.00			5.00		
30				0.00			0.00			0.00		
31				0.00						0.00		
Max.	0.00	0.00		10.00	0.00		0.00	0.00		8.00	0.00	
Min.	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00
Monthly total	0.00			10.00			0.00			26.00		
Monthly Average		#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!

Daily Observed Meteorological Data												
Name of Site: Bani				Measuring Authority : MGD2				Code: GGX10R1				
Name of River / Tributary: Sai								Year : 2016-17				
Month	Jun-16			Jul-16			Aug-16			Sep-16		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00			0.00			23.40			0.00		
2	0.00			0.00			5.60			0.00		
3	0.00			1.40			2.40			0.00		
4	0.00			0.00			0.00			0.00		
5	0.00			34.40			0.00			0.00		
6	0.00			4.40			0.00			0.00		
7	0.00			9.20			0.00			0.00		
8	0.00			3.60			0.00			0.00		
9	0.00			23.40			0.00			0.00		
10	0.00			0.00			0.00			0.00		
11	0.00			0.00			4.60			0.00		
12	0.00			0.00			2.60			0.00		
13	0.00			0.00			0.00			17.20		
14	0.00			0.00			0.00			33.40		
15	0.00			0.00			39.60			0.00		
16	6.40			106.40			29.40			2.20		
17	0.00			66.40			43.60			5.60		
18	0.00			2.20			2.60			0.00		
19	0.00			19.60			0.00			0.00		
20	0.00			0.00			0.00			0.00		
21	36.20			0.00			0.00			0.00		
22	19.40			24.40			0.00			0.00		
23	0.00			0.00			6.80			0.00		
24	11.40			14.20			2.40			1.20		
25	0.00			0.00			0.00			0.00		
26	0.00			0.00			0.00			0.00		
27	1.20			0.00			0.00			0.00		
28	0.00			0.00			0.00			0.00		
29	0.00			9.40			0.00			0.00		
30	0.00			44.60			0.00			0.00		
31				9.60			20.40					
Max.	36.20	0.00		106.40	0.00		43.60	0.00		33.40	0.00	
Min.	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00
Monthly total	74.60			373.20			183.40			59.60		
Monthly Average												

Daily Observed Meteorological Data												
Name of Site: Bani				Measuring Authority : MGD2				Code: GGX10R1				
Name of River / Tributary: Sai								Year : 2016-17				
Month	Oct-16			Nov-16			Dec-16			Jan-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00			0.00			0.00			0.00		
2	0.00			0.00			0.00			0.00		
3	0.00			0.00			0.00			0.00		
4	0.00			0.00			0.00			0.00		
5	0.00			0.00			0.00			0.00		
6	28.40			0.00			0.00			0.00		
7	0.00			0.00			0.00			0.00		
8	0.00			0.00			0.00			0.00		
9	5.00			0.00			0.00			0.00		
10	0.00			0.00			0.00			0.00		
11	0.00			0.00			0.00			0.00		
12	0.00			0.00			0.00			0.00		
13	0.00			0.00			0.00			0.00		
14	0.00			0.00			0.00			0.00		
15	0.00			0.00			0.00			0.00		
16	0.00			0.00			0.00			0.00		
17	0.00			0.00			0.00			0.00		
18	0.00			0.00			0.00			0.00		
19	0.00			0.00			0.00			0.00		
20	0.00			0.00			0.00			0.00		
21	0.00			0.00			0.00			0.00		
22	0.00			0.00			0.00			0.00		
23	0.00			0.00			0.00			0.00		
24	0.00			0.00			0.00			0.00		
25	0.00			0.00			0.00			0.00		
26	0.00			0.00			0.00			0.00		
27	0.00			0.00			0.00			10.60		
28	0.00			0.00			0.00			0.00		
29	0.00			0.00			0.00			0.00		
30	0.00			0.00			0.00			0.00		
31	0.00						0.00			0.00		
Max.	28.40	0.00		0.00	0.00		0.00	0.00		10.60	0.00	
Min.	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00
Monthly total	33.40			0.00			0.00			10.60		
Monthly Average												

Daily Observed Meteorological Data												
Name of Site: Bani				Measuring Authority : MGD2					Code: GGX10R1			
Name of River / Tributary: Sai									Year : 2016-17			
Month	Feb-17			Mar-17			Apr-17			May-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00			0.00			0.00			0.00		
2	0.00			0.00			0.00			0.00		
3	0.00			0.00			0.00			0.00		
4	0.00			0.00			0.00			0.00		
5	0.00			0.00			0.00			0.00		
6	0.00			0.00			0.00			0.00		
7	0.00			0.00			0.00			0.00		
8	0.00			0.00			0.00			0.00		
9	0.00			0.00			0.00			0.00		
10	0.00			0.00			0.00			0.00		
11	0.00			0.00			0.00			0.00		
12	0.00			2.00			0.00			0.00		
13	0.00			0.00			0.00			0.00		
14	0.00			0.00			0.00			0.00		
15	0.00			0.00			0.00			0.00		
16	0.00			0.00			0.00			0.00		
17	0.00			0.00			0.00			0.00		
18	0.00			0.00			0.00			0.00		
19	0.00			0.00			0.00			0.00		
20	0.00			0.00			0.00			0.00		
21	0.00			0.00			0.00			0.00		
22	0.00			0.00			0.00			0.00		
23	0.00			0.00			0.00			0.00		
24	0.00			0.00			0.00			0.00		
25	0.00			0.00			0.00			0.00		
26	0.00			0.00			0.00			0.00		
27	0.00			0.00			0.00			0.00		
28	0.00			0.00			0.00			0.00		
29	0.00			0.00			0.00			6.00		
30				0.00			0.00			0.00		
31				0.00						0.00		
Max.	0.00	0.00		2.00	0.00		0.00	0.00		6.00	0.00	
Min.	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00
Monthly total	0.00			2.00			0.00			6.00		
Monthly Average												

Daily Observed Meteorological Data												
Name of Site: Raebareli				Measuring Authority : MGD2				Code: GGXIOM2				
Name of River / Tributary: Sai								Year : 2016-17				
Month	Jun-16			Jul-16			Aug-16			Sep-16		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	40.00	25.00	0.00	40.00	28.00	22.00	34.00	24.00	11.60	35.00	26.00
2	0.00	37.00	25.00	0.00	36.00	26.00	7.40	34.00	24.00	0.00	35.00	26.00
3	0.00	38.00	26.00	0.00	36.00	26.00	13.80	34.00	25.00	0.00	36.00	28.00
4	0.00	40.00	28.00	0.00	36.00	26.00	0.00	34.00	25.00	0.00	36.00	27.00
5	0.00	41.00	29.00	58.00	36.00	27.00	0.00	34.00	27.00	0.00	36.00	26.00
6	0.00	42.00	27.00	82.20	36.00	26.00	1.20	36.00	28.00	0.00	34.00	26.00
7	0.00	42.00	30.00	0.00	36.00	25.00	0.00	36.00	28.00	0.00	34.00	26.00
8	0.00	42.00	30.00	0.00	36.00	25.00	33.80	36.00	26.00	0.00	35.00	26.00
9	0.00	42.00	30.00	0.00	36.00	25.00	2.20	32.00	25.00	0.00	35.00	26.00
10	0.00	42.00	30.00	0.00	37.00	25.00	12.40	32.00	25.00	0.00	36.00	26.00
11	0.00	42.00	30.00	0.00	36.00	26.00	83.40	32.00	24.00	0.00	36.00	26.00
12	0.00	42.00	30.00	0.00	34.00	25.00	1.20	32.00	24.00	0.00	34.00	26.00
13	0.00	42.00	30.00	0.00	36.00	27.00	2.60	31.00	23.00	0.00	35.00	26.00
14	0.00	42.00	31.00	14.20	36.00	26.00	10.00	32.00	23.00	99.40	34.00	26.00
15	0.00	42.00	31.00	6.20	36.00	26.00	187.20	32.00	24.00	5.80	34.00	24.00
16	0.00	40.00	30.00	3.80	36.00	26.00	19.20	32.00	24.00	0.00	35.00	24.00
17	0.00	40.00	31.00	38.40	36.00	26.00	2.20	32.00	25.00	48.20	35.00	26.00
18	7.20	42.00	28.00	0.00	35.00	27.00	1.00	33.00	25.00	0.00	35.00	26.00
19	4.60	42.00	28.00	33.80	36.00	26.00	15.00	34.00	24.00	0.00	35.00	26.00
20	0.00	42.00	29.00	0.00	36.00	26.00	0.00	34.00	24.00	0.00	38.00	28.00
21	0.00	40.00	30.00	0.00	36.00	25.00	0.00	34.00	24.00	0.00	34.00	26.00
22	0.00	38.00	29.00	2.40	36.00	25.00	0.00	34.00	24.00	0.00	34.00	26.00
23	16.40	40.00	30.00	0.00	25.00	26.00	23.40	33.00	24.00	0.00	34.00	26.00
24	0.00	38.00	29.00	0.00	35.00	26.00	12.40	33.00	25.00	31.80	34.00	26.00
25	0.00	38.00	28.00	0.00	35.00	26.00	0.00	36.00	25.00	0.00	34.00	26.00
26	0.00	38.00	28.00	8.80	35.00	26.00	0.00	36.00	26.00	0.00	34.00	26.00
27	0.00	38.00	29.00	4.80	35.00	25.00	0.00	36.00	26.00	0.00	35.00	24.00
28	0.00	39.00	28.00	2.60	34.00	25.00	0.00	36.00	26.00	0.00	35.00	24.00
29	0.00	39.00	29.00	12.20	34.00	25.00	0.00	36.00	26.00	0.00	34.00	24.00
30	0.00	39.00	29.00	23.40	34.00	25.00	0.00	36.00	26.00	0.00	34.00	24.00
31				2.20	34.00	25.00	0.00	36.00	26.00			
Max.	16.40	42.00		82.20	40.00		187.20	36.00		99.40	38.00	
Min.	0.00		25.00	0.00		25.00	0.00		23.00	0.00		24.00
Monthly total	28.20			293.00			450.40			196.80		
Monthly Average		40.30	28.90		35.32	25.77		33.94	25.00		34.83	25.77

Daily Observed Meteorological Data												
Name of Site: Raebareli				Measuring Authority : MGD2				Code: GGXIOM2				
Name of River / Tributary: Sai								Year : 2016-17				
Month	Oct-16			Nov-16			Dec-16			Jan-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	34.00	24.00	0.00	29.00	20.00	0.00	26.00	12.00	0.00	19.00	8.00
2	0.00	34.00	24.00	0.00	29.00	20.00	0.00	24.00	10.00	0.00	20.00	9.00
3	0.00	34.00	26.00	0.00	30.00	19.00	0.00	24.00	10.00	0.00	20.00	8.00
4	0.00	34.00	26.00	0.00	30.00	19.00	0.00	25.00	10.00	0.00	20.00	7.00
5	0.00	34.00	26.00	0.00	30.00	19.00	0.00	25.00	10.00	0.00	19.00	7.00
6	7.80	34.00	25.00	0.00	30.00	19.00	0.00	25.00	11.00	0.00	19.00	7.00
7	0.00	34.00	24.00	0.00	29.00	20.00	0.00	24.00	10.00	0.00	19.00	7.00
8	0.00	34.00	24.00	0.00	30.00	19.00	0.00	24.00	11.00	0.00	19.00	8.00
9	0.00	34.00	24.00	0.00	29.00	17.00	0.00	24.00	11.00	0.00	19.00	8.00
10	0.00	34.00	24.00	0.00	29.00	15.00	0.00	24.00	11.00	3.60	19.00	8.00
11	0.00	34.00	24.00	0.00	29.00	14.00	0.00	24.00	11.00	0.00	19.00	8.00
12	0.00	32.00	24.00	0.00	29.00	14.00	0.00	24.00	10.00	0.00	18.00	7.00
13	0.00	32.00	24.00	0.00	29.00	14.00	0.00	24.00	10.00	0.00	18.00	7.00
14	0.00	32.00	22.00	0.00	29.00	14.00	0.00	24.00	10.00	0.00	18.00	4.00
15	0.00	32.00	20.00	0.00	29.00	14.00	0.00	24.00	11.00	0.00	18.00	4.00
16	0.00	32.00	20.00	0.00	28.00	14.00	0.00	24.00	11.00	0.00	18.00	4.00
17	0.00	32.00	20.00	0.00	28.00	14.00	0.00	24.00	11.00	0.00	20.00	4.00
18	0.00	32.00	20.00	0.00	28.00	14.00	0.00	24.00	11.00	0.00	20.00	5.00
19	0.00	32.00	19.00	0.00	28.00	14.00	0.00	24.00	10.00	0.00	20.00	5.00
20	0.00	30.00	19.00	0.00	28.00	14.00	0.00	24.00	8.00	0.00	20.00	7.00
21	0.00	32.00	19.00	0.00	27.00	13.00	0.00	24.00	8.00	0.00	20.00	7.00
22	0.00	30.00	19.00	0.00	27.00	12.00	0.00	22.00	8.00	0.00	20.00	7.00
23	0.00	30.00	19.00	0.00	27.00	12.00	0.00	22.00	8.00	0.00	20.00	8.00
24	0.00	31.00	19.00	0.00	27.00	12.00	0.00	22.00	8.00	0.00	20.00	10.00
25	0.00	32.00	21.00	0.00	27.00	12.00	0.00	22.00	8.00	0.00	23.00	11.00
26	0.00	31.00	20.00	0.00	27.00	12.00	0.00	20.00	8.00	0.00	23.00	11.00
27	0.00	30.00	20.00	0.00	27.00	12.00	0.00	20.00	8.00	5.20	22.00	10.00
28	0.00	30.00	20.00	0.00	27.00	12.00	0.00	20.00	8.00	6.80	20.00	9.00
29	0.00	30.00	19.00	0.00	26.00	11.00	0.00	20.00	8.00	0.00	20.00	9.00
30	0.00	30.00	19.00	0.00	27.00	12.00	0.00	20.00	8.00	0.00	20.00	9.00
31	0.00	30.00	18.00				0.00	20.00	8.00	0.00	20.00	10.00
Max.	7.80	34.00		0.00	30.00		0.00	26.00		6.80	23.00	
Min.	0.00		18.00	0.00		11.00	0.00		8.00	0.00		4.00
Monthly total	7.80			0.00			0.00			15.60		
Monthly Average		32.13	21.68		28.30	14.90		23.13	9.58		19.68	7.52

Daily Observed Meteorological Data												
Name of Site: Raebareli				Measuring Authority : MGD2				Code: GGXI0M2				
Name of River / Tributary: Sai								Year : 2016-17				
Month	Feb-17			Mar-17			Apr-17			May-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	21.00	11.00	0.00	28.00	18.00	0.00	35.00	23.00	0.00	39.00	28.00
2	0.00	20.00	10.00	0.00	28.00	18.00	0.00	38.00	23.00	0.00	40.00	24.00
3	0.00	20.00	10.00	0.00	30.00	19.00	0.00	38.00	23.00	0.00	40.00	24.00
4	0.00	21.00	11.00	0.00	30.00	19.00	0.00	38.00	23.00	0.00	42.00	22.00
5	0.00	21.00	11.00	0.00	30.00	19.00	0.00	38.00	23.00	0.00	42.00	22.00
6	0.00	20.00	10.00	0.00	30.00	19.00	0.00	38.00	23.00	0.00	40.00	22.00
7	0.00	21.00	11.00	0.00	30.00	19.00	0.00	39.00	23.00	0.00	40.00	22.00
8	0.00	21.00	11.00	0.00	30.00	19.00	0.00	36.00	21.00	0.00	40.00	22.00
9	0.00	22.00	13.00	0.00	30.00	19.00	0.00	35.00	20.00	0.00	42.00	26.00
10	0.00	24.00	13.00	0.00	30.00	19.00	0.00	35.00	20.00	0.00	42.00	26.00
11	0.00	24.00	12.00	0.00	30.00	19.00	0.00	35.00	20.00	0.00	42.00	26.00
12	0.00	24.00	12.00	3.60	30.00	20.00	0.00	35.00	21.00	0.00	42.00	26.00
13	0.00	24.00	14.00	0.00	30.00	20.00	0.00	35.00	22.00	0.00	42.00	26.00
14	0.00	24.00	14.00	0.00	30.00	20.00	0.00	35.00	22.00	0.00	42.00	28.00
15	0.00	24.00	14.00	0.00	30.00	20.00	0.00	36.00	22.00	0.00	42.00	28.00
16	0.00	24.00	14.00	0.00	30.00	20.00	0.00	36.00	22.00	0.00	42.00	30.00
17	0.00	24.00	14.00	0.00	30.00	20.00	0.00	37.00	22.00	0.00	42.00	30.00
18	0.00	26.00	16.00	0.00	31.00	20.00	0.00	37.00	22.00	0.00	39.00	28.00
19	0.00	26.00	16.00	0.00	31.00	21.00	0.00	38.00	22.00	0.00	39.00	28.00
20	0.00	26.00	16.00	0.00	32.00	21.00	0.00	38.00	22.00	0.00	39.00	28.00
21	0.00	27.00	17.00	0.00	32.00	21.00	0.00	38.00	23.00	0.00	40.00	26.00
22	0.00	27.00	17.00	0.00	34.00	22.00	0.00	38.00	24.00	2.20	40.00	26.00
23	0.00	27.00	17.00	0.00	34.00	22.00	0.00	39.00	24.00	0.00	40.00	26.00
24	0.00	27.00	17.00	0.00	35.00	22.00	0.00	39.00	24.00	0.00	40.00	26.00
25	0.00	27.00	17.00	0.00	35.00	22.00	0.00	39.00	25.00	0.00	40.00	28.00
26	0.00	28.00	18.00	0.00	35.00	22.00	0.00	39.00	26.00	0.00	42.00	28.00
27	0.00	28.00	18.00	0.00	35.00	22.00	0.00	39.00	26.00	0.00	42.00	29.00
28	0.00	28.00	18.00	0.00	35.00	22.00	0.00	39.00	27.00	0.00	41.00	27.00
29				0.00	35.00	22.00	0.00	39.00	28.00	5.20	41.00	27.00
30				0.00	36.00	23.00	0.00	39.00	28.00	0.00	42.00	30.00
31				0.00	38.00	23.00				0.00	43.00	31.00
Max.	0.00	28.00		3.60	38.00		0.00	39.00		5.20	43.00	
Min.	0.00		10.00	0.00		18.00	0.00		20.00	0.00		22.00
Monthly total	0.00			3.60			0.00			7.40		
Monthly Average		24.14	14.00		31.74	20.39		37.33	23.13		40.94	26.45

Daily Observed Meteorological Data												
Name of Site: Neemsar				Measuring Authority : MGD2					Code: GGX00U5			
Name of River / Tributary: Gomti									Year : 2016-17			
Month	Jun-16			Jul-16			Aug-16			Sep-16		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	35.00	27.00	0.00	34.00	27.00	32.80	30.00	25.00	8.00	30.00	22.00
2	0.00	42.00	29.00	6.40	33.00	26.00	11.60	30.00	24.00	0.00	32.00	24.00
3	0.00	43.00	30.00	31.60	31.00	25.00	7.60	32.00	22.00	0.00	31.00	22.00
4	0.00	42.00	29.00	9.60	32.00	26.00	0.00	31.00	25.00	0.00	34.00	23.00
5	0.00	41.00	28.00	6.20	30.00	25.00	0.00	32.00	26.00	0.00	32.00	22.00
6	0.00	42.00	29.00	1.00	32.00	24.00	0.00	31.00	22.00	0.00	34.00	24.00
7	0.00	40.00	27.00	0.00	31.00	22.00	0.00	32.00	24.00	0.00	35.00	23.00
8	0.00	41.00	29.00	31.60	32.00	25.00	0.00	36.00	26.00	0.00	33.00	25.00
9	7.40	38.00	24.00	0.00	32.00	26.00	7.40	34.00	25.00	0.00	34.00	24.00
10	0.00	39.00	25.00	1.80	33.00	25.00	34.80	33.00	23.00	0.00	33.00	23.00
11	0.00	40.00	26.00	0.00	34.00	26.00	32.60	34.00	22.00	0.00	35.00	27.00
12	0.00	41.00	29.00	2.20	36.00	28.00	23.40	30.00	25.00	0.00	34.00	25.00
13	0.00	42.00	30.00	0.00	35.00	27.00	0.00	34.00	24.00	6.20	35.00	22.00
14	0.00	41.00	29.00	0.00	34.00	26.00	0.00	33.00	25.00	32.60	31.00	20.00
15	0.00	41.00	28.00	3.60	34.00	27.00	1.40	34.00	26.00	0.00	32.00	23.00
16	0.00	42.00	29.00	1.20	35.00	26.00	0.00	32.00	25.00	26.60	34.00	25.00
17	0.00	42.00	28.00	27.40	34.00	24.00	11.60	33.00	26.00	0.00	32.00	24.00
18	0.00	41.00	29.00	26.80	30.00	25.00	0.00	35.00	25.00	24.80	33.00	22.00
19	0.00	40.00	27.00	0.00	32.00	26.00	2.40	34.00	24.00	0.60	35.00	25.00
20	0.00	38.00	28.00	0.00	33.00	26.00	0.00	35.00	26.00	0.00	36.00	25.00
21	44.60	35.00	26.00	0.00	35.00	25.00	0.00	32.00	24.00	0.00	37.00	26.00
22	0.00	33.00	24.00	20.00	34.00	24.00	0.00	33.00	23.00	0.00	34.00	23.00
23	0.00	34.00	23.00	21.00	31.00	26.00	0.00	34.00	24.00	0.00	32.00	22.00
24	3.40	36.00	25.00	2.80	32.00	25.00	1.60	31.00	25.00	7.00	31.00	20.00
25	0.00	38.00	24.00	0.00	35.00	25.00	1.00	33.00	25.00	0.00	31.00	22.00
26	0.00	39.00	23.00	0.00	32.00	26.00	0.00	32.00	24.00	0.00	30.00	20.00
27	3.20	36.00	27.00	0.00	30.00	23.00	1.20	32.00	22.00	0.00	32.00	22.00
28	0.00	37.00	28.00	0.00	32.00	26.00	0.00	33.00	24.00	0.00	30.00	24.00
29	0.00	40.00	29.00	21.00	30.00	25.00	0.00	35.00	26.00	0.00	32.00	22.00
30	0.00	42.00	30.00	25.20	28.00	25.00	0.00	36.00	23.00	0.00	30.00	20.00
31				26.80	32.00	24.00	75.00	34.00	26.00			
Max.	44.60	43.00		31.60	36.00		75.00	36.00		32.60	37.00	
Min.	0.00		23.00	0.00		22.00	0.00		22.00	0.00		20.00
Monthly total	58.60			266.20			244.40			105.80		
Monthly Average		39.37	27.30		32.52	25.35		32.90	24.39		32.80	23.03

Daily Observed Meteorological Data												
Name of Site: Neemsar				Measuring Authority : MGD2				Code: GGX00U5				
Name of River / Tributary: Gomti								Year : 2016-17				
Month	Oct-16			Nov-16			Dec-16			Jan-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	31.00	22.00	0.00	29.00	16.00	0.00	25.00	12.00	0.00	21.00	9.00
2	0.00	35.00	24.00	0.00	31.00	14.00	0.00	24.00	11.00	0.00	20.00	10.00
3	0.00	34.00	23.00	0.00	30.00	16.00	0.00	24.00	11.00	0.00	21.00	9.00
4	0.00	35.00	25.00	0.00	31.00	18.00	0.00	22.00	12.00	0.00	19.00	8.00
5	0.00	36.00	26.00	0.00	30.00	17.00	0.00	20.00	12.00	0.00	18.00	8.00
6	2.80	36.00	25.00	0.00	30.00	14.00	0.00	19.00	11.00	0.00	20.00	10.00
7	0.00	35.00	25.00	0.00	30.00	13.00	0.00	18.00	10.00	0.00	16.00	6.00
8	0.00	31.00	24.00	0.00	29.00	13.00	0.00	18.00	11.00	4.00	19.00	9.00
9	3.00	32.00	22.00	0.00	28.00	14.00	0.00	19.00	11.00	0.00	21.00	9.00
10	0.00	33.00	23.00	0.00	29.00	13.00	0.00	22.00	12.00	0.00	22.00	10.00
11	0.00	35.00	24.00	0.00	29.00	12.00	0.00	18.00	11.00	0.00	22.00	8.00
12	0.00	34.00	22.00	0.00	28.00	14.00	0.00	20.00	10.00	0.00	21.00	5.00
13	0.00	33.00	21.00	0.00	30.00	13.00	0.00	19.00	11.00	0.00	14.00	4.00
14	0.00	30.00	20.00	0.00	29.00	13.00	0.00	18.00	10.00	0.00	15.00	5.00
15	0.00	27.00	17.00	0.00	30.00	13.00	0.00	20.00	10.00	0.00	17.00	4.00
16	0.00	30.00	19.00	0.00	29.00	12.00	0.00	23.00	8.00	0.00	18.00	4.00
17	0.00	29.00	18.00	0.00	28.00	12.00	0.00	22.00	7.00	0.00	22.00	5.00
18	0.00	33.00	18.00	0.00	29.00	11.00	0.00	25.00	10.00	0.00	22.00	7.00
19	0.00	32.00	18.00	0.00	26.00	13.00	0.00	25.00	7.00	0.00	21.00	7.00
20	0.00	30.00	17.00	0.00	26.00	14.00	0.00	23.00	9.00	0.00	21.00	7.00
21	0.00	28.00	17.00	0.00	26.00	15.00	0.00	21.00	9.00	0.00	25.00	7.00
22	0.00	27.00	17.00	0.00	26.00	11.00	0.00	22.00	8.00	0.00	23.00	6.00
23	0.00	28.00	18.00	0.00	28.00	13.00	0.00	23.00	6.00	0.00	23.00	7.00
24	0.00	28.00	16.00	0.00	27.00	14.00	0.00	22.00	7.00	0.00	27.00	10.00
25	0.00	30.00	18.00	0.00	27.00	12.00	0.00	21.00	8.00	0.00	25.00	11.00
26	0.00	28.00	17.00	0.00	26.00	12.00	0.00	20.00	9.00	0.00	26.00	9.00
27	0.00	30.00	18.00	0.00	25.00	11.00	0.00	20.00	7.00	28.60	25.00	8.00
28	0.00	30.00	16.00	0.00	24.00	12.00	0.00	23.00	6.00	0.00	20.00	10.00
29	0.00	30.00	15.00	0.00	27.00	14.00	0.00	22.00	6.00	0.00	16.00	8.00
30	0.00	29.00	15.00	0.00	25.00	12.00	0.00	21.00	7.00	0.00	18.00	11.00
31	0.00	30.00	16.00				0.00	22.00	9.00	0.00	19.00	10.00
Max.	3.00	36.00		0.00	31.00		0.00	25.00		28.60	27.00	
Min.	0.00		15.00	0.00		11.00	0.00		6.00	0.00		4.00
Monthly total	5.80			0.00			0.00			32.60		
Monthly Average		31.26	19.87		28.07	13.37		21.32	9.29		20.55	7.77

Daily Observed Meteorological Data												
Name of Site: Neemsar				Measuring Authority : MGD2				Code: GGX00U5				
Name of River / Tributary: Gomti								Year : 2016-17				
Month	Feb-17			Mar-17			Apr-17			May-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	21.00	8.00	0.00	32.00	10.00	0.00	0.00	0.00	0.00		
2	0.00	23.00	9.00	0.00	31.00	12.00	0.00	0.00	0.00	0.00		
3	0.00	26.00	12.00	0.00	30.00	15.00	0.00	0.00	0.00	0.00		
4	0.00	28.00	13.00	0.00	31.00	14.00	0.00	0.00	0.00	0.00		
5	0.00	30.00	15.00	0.00	30.00	16.00	0.00	0.00	0.00	0.00		
6	4.40	28.00	13.00	0.00	31.00	14.00	0.00	0.00	0.00	0.00		
7	0.00	28.00	12.00	0.00	32.00	15.00	0.00	0.00	0.00	0.00		
8	0.00	29.00	14.00	0.00	32.00	16.00	0.00	0.00	0.00	0.00		
9	0.00	27.00	12.00	0.00	30.00	12.00	0.00	0.00	0.00	5.00		
10	0.00	29.00	10.00	3.60	31.00	14.00	0.00	0.00	0.00	0.00		
11	0.00	28.00	11.00	3.80	28.00	13.00	0.00	0.00	0.00	0.00		
12	0.00	29.00	12.00	5.60	29.00	12.00	0.00	0.00	0.00	0.00		
13	0.00	27.00	13.00	0.00	30.00	11.00	0.00	0.00	0.00	0.00		
14	0.00	28.00	11.00	0.00	28.00	12.00	0.00	0.00	0.00	0.00		
15	0.00	29.00	12.00	0.00	28.00	8.00	0.00	0.00	0.00	0.00		
16	0.00	28.00	12.00	0.00	30.00	10.00	0.00	0.00	0.00	0.00		
17	0.00	29.00	12.00	0.00	32.00	12.00	0.00	0.00	0.00	0.00		
18	0.00	28.00	11.00	0.00	32.00	14.00	0.00	0.00	0.00	3.00		
19	0.00	29.00	12.00	0.00	31.00	15.00	0.00	0.00	0.00	0.00		
20	0.00	29.00	13.00	0.00	32.00	14.00	0.00	0.00	0.00	0.00		
21	0.00	30.00	14.00	0.00	31.00	15.00	0.00	0.00	0.00	0.00		
22	0.00	31.00	15.00	0.00	32.00	16.00	0.00	0.00	0.00	0.00		
23	0.00	31.00	15.00	0.00	32.00	16.00	0.00	0.00	0.00	5.40		
24	0.00	30.00	13.00	0.00	33.00	16.00	0.00	0.00	0.00	0.00		
25	0.00	29.00	9.00	0.00	33.00	15.00	0.00	0.00	0.00	0.00		
26	0.00	30.00	11.00	0.00	35.00	16.00	0.00	0.00	0.00	0.00		
27	0.00	31.00	12.00	0.00	35.00	17.00	0.00	0.00	0.00	0.00		
28	0.00	30.00	10.00	0.00	38.00	19.00	5.00	0.00	0.00	1.80		
29				0.00	0.00	0.00	0.00	0.00	0.00	3.20		
30				0.00	0.00	0.00	0.00	0.00	0.00	12.20		
31				0.00	0.00	0.00				0.00		
Max.	4.40	31.00		5.60	38.00		5.00	0.00		12.20	0.00	
Min.	0.00		8.00	0.00		0.00	0.00		0.00	0.00		0.00
Monthly total	4.40			13.00			5.00			30.60		
Monthly Average		28.39	12.00		28.35	12.55		0.00	0.00		#DIV/0!	#DIV/0!

Daily Observed Meteorological Data												
Name of Site: Bhatpurwaghat				Measuring Authority : MGD2				Code: GGXOOS1				
Name of River / Tributary: Gomti								Year : 2016-17				
Month	Jun-16			Jul-16			Aug-16			Sep-16		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00			0.00			35.00			12.00		
2	0.00			0.00			0.00			0.00		
3	0.00			20.40			4.00			0.00		
4	0.00			0.00			0.00			0.00		
5	0.00			0.00			0.00			0.00		
6	0.00			3.00			0.00			0.00		
7	0.00			4.00			1.00			0.00		
8	0.00			0.00			0.00			0.00		
9	0.00			16.00			25.80			0.00		
10	0.00			0.00			13.00			0.00		
11	0.00			0.00			5.40			0.00		
12	0.00			0.00			5.00			4.00		
13	0.00			0.00			0.00			2.00		
14	0.00			0.00			0.00			36.00		
15	0.00			0.00			3.00			0.00		
16	0.00			0.00			6.00			0.00		
17	0.00			118.00			57.00			0.00		
18	0.00			8.00			4.20			0.00		
19	0.00			0.00			5.00			0.00		
20	0.00			0.00			0.00			0.00		
21	46.40			0.00			0.00			0.00		
22	4.00			13.40			0.00			0.00		
23	0.00			29.40			0.00			0.00		
24	0.00			0.00			0.00			0.00		
25	0.00			8.60			0.00			0.00		
26	0.00			0.00			0.00			0.00		
27	12.40			0.00			0.00			0.00		
28	0.00			0.00			0.00			0.00		
29	0.00			7.40			0.00			0.00		
30	0.00			4.00			0.00			0.00		
31				42.60			47.50					
Max.	46.40	0.00		118.00	0.00		57.00	0.00		36.00	0.00	
Min.	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00
Monthly total	62.80			274.80			211.90			54.00		
Monthly Average												

Daily Observed Meteorological Data												
Name of Site: Bhatpurwaghat				Measuring Authority : MGD2				Code: GGXOOS1				
Name of River / Tributary: Gomti								Year : 2016-17				
Month	Oct-16			Nov-16			Dec-16			Jan-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00			0.00			0.00			0.00		
2	0.00			0.00			0.00			0.00		
3	0.00			0.00			0.00			0.00		
4	0.00			0.00			0.00			0.00		
5	0.00			0.00			0.00			0.00		
6	2.00			0.00			0.00			0.00		
7	0.00			0.00			0.00			0.00		
8	0.00			0.00			0.00			0.00		
9	0.00			0.00			0.00			0.00		
10	0.00			0.00			0.00			0.00		
11	0.00			0.00			0.00			0.00		
12	0.00			0.00			0.00			0.00		
13	0.00			0.00			0.00			0.00		
14	0.00			0.00			0.00			0.00		
15	0.00			0.00			0.00			0.00		
16	0.00			0.00			0.00			0.00		
17	0.00			0.00			0.00			0.00		
18	0.00			0.00			0.00			0.00		
19	0.00			0.00			0.00			0.00		
20	0.00			0.00			0.00			0.00		
21	0.00			0.00			0.00			0.00		
22	0.00			0.00			0.00			0.00		
23	0.00			0.00			0.00			0.00		
24	0.00			0.00			0.00			0.00		
25	0.00			0.00			0.00			0.00		
26	0.00			0.00			0.00			0.00		
27	0.00			0.00			0.00			24.00		
28	0.00			0.00			0.00			0.00		
29	0.00			0.00			0.00			0.00		
30	0.00			0.00			0.00			0.00		
31	0.00						0.00			0.00		
Max.	2.00	0.00		0.00	0.00		0.00	0.00		24.00	0.00	
Min.	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00
Monthly total	2.00			0.00			0.00			24.00		
Monthly Average												

Daily Observed Meteorological Data												
Name of Site: Bhatpurwaghat				Measuring Authority : MGD2				Code: GGXOOS1				
Name of River / Tributary: Gomti								Year : 2016-17				
Month	Feb-17			Mar-17			Apr-17			May-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00			0.00			0.00			0.80		
2	0.00			0.00			0.00			0.00		
3	0.00			0.00			0.00			0.00		
4	0.00			0.00			0.00			0.00		
5	0.00			0.00			0.00			0.00		
6	0.00			0.00			0.00			0.00		
7	0.00			0.00			0.00			0.00		
8	0.00			0.00			0.00			0.00		
9	0.00			0.00			0.00			0.20		
10	0.00			8.00			0.00			0.40		
11	0.00			0.00			0.00			0.00		
12	0.00			0.00			0.00			0.00		
13	0.00			0.00			0.00			0.00		
14	0.00			0.00			0.00			0.00		
15	0.00			0.00			0.00			0.00		
16	0.00			0.00			0.00			0.00		
17	0.00			0.00			0.00			0.00		
18	0.00			0.00			0.00			1.80		
19	0.00			0.00			0.00			0.00		
20	0.00			0.00			0.00			0.00		
21	0.00			0.00			0.00			0.00		
22	0.00			0.00			0.00			0.00		
23	0.00			0.00			0.00			0.00		
24	0.00			0.00			0.00			0.00		
25	0.00			0.00			0.00			0.00		
26	0.00			0.00			0.00			0.00		
27	0.00			0.00			0.00			0.00		
28	0.00			0.00			0.00			0.00		
29				0.00			0.00			5.80		
30				0.00			0.00			0.00		
31				0.00						0.00		
Max.	0.00	0.00		8.00	0.00		0.00	0.00		5.80	0.00	
Min.	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00
Monthly total	0.00			8.00			0.00			9.00		
Monthly Average												

Daily Observed Meteorological Data												
Name of Site: Lucknow				Measuring Authority : MGD2				Code: GGX0083				
Name of River / Tributary: Gomti								Year : 2016-17				
Month	Jun-16			Jul-16			Aug-16			Sep-16		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	28.50	25.00	0.00	38.00	28.00	48.20	32.00	26.00	0.00	33.00	27.00
2	0.00	40.20	26.10	0.00	34.00	27.00	3.00	30.50	23.00	0.00	34.00	26.00
3	0.00	39.70	26.50	8.20	31.00	25.70	1.10	35.00	27.00	0.00	36.00	27.00
4	0.00	40.00	28.00	0.00	34.00	24.00	0.00	34.50	25.00	0.00	35.50	26.50
5	0.00	41.00	29.00	7.00	33.40	26.20	0.00	34.50	26.00	0.00	36.00	27.50
6	0.00	40.50	28.00	11.60	32.00	25.00	0.00	34.60	29.00	0.00	35.00	25.00
7	0.00	40.60	28.00	6.20	32.50	24.50	0.00	34.00	26.80	0.00	35.00	27.00
8	0.00	40.50	27.00	8.20	33.00	25.00	0.00	32.50	26.00	0.00	35.00	25.00
9	6.60	38.00	25.00	5.80	34.00	26.00	0.00	31.20	26.00	0.00	35.50	26.50
10	0.00	37.50	20.00	0.00	34.80	25.00	32.00	33.50	25.50	0.00	35.50	25.50
11	0.00	38.00	21.00	0.00	35.60	26.60	1.80	33.00	24.30	0.00	36.00	26.00
12	0.00	39.50	28.50	0.00	36.20	26.70	3.60	32.50	24.00	42.00	34.50	25.50
13	0.00	39.50	28.50	0.00	34.50	26.50	0.00	32.50	24.00	4.20	35.00	25.00
14	1.20	40.50	29.00	0.00	34.10	26.00	0.00	34.70	25.70	20.20	32.00	26.00
15	0.00	40.00	29.00	16.80	35.20	26.00	44.80	32.50	25.00	24.40	30.00	22.00
16	13.00	39.00	28.50	0.60	33.50	27.00	12.00	32.50	24.00	0.00	32.00	25.00
17	0.00	34.50	26.00	51.60	32.50	26.50	68.20	32.00	24.00	2.80	34.00	24.50
18	0.00	36.00	26.00	7.00	28.20	24.10	34.80	32.50	23.00	0.00	34.50	25.00
19	0.00	36.50	26.50	2.60	31.50	24.50	11.20	33.50	23.00	0.00	33.00	26.00
20	0.00	38.10	27.30	1.20	33.00	23.00	0.00	32.00	26.50	6.00	34.00	27.00
21	84.00	36.00	26.00	0.00	34.00	25.00	0.00	34.00	24.00	13.40	34.90	25.70
22	3.40	30.50	22.00	0.00	33.50	26.50	0.00	34.00	23.20	0.00	34.00	25.00
23	0.00	31.00	25.50	37.20	28.70	25.20	2.80	31.50	24.00	0.00	32.50	25.00
24	0.00	35.50	24.50	0.00	33.00	25.00	0.00	30.70	24.20	0.00	32.00	25.00
25	0.00	36.50	23.50	0.00	34.50	24.00	0.00	33.00	24.70	0.00	32.50	25.00
26	0.00	36.60	24.00	0.00	34.00	25.50	0.00	34.50	24.20	0.00	31.50	25.00
27	44.20	36.00	26.50	5.10	30.20	25.30	4.00	34.50	25.50	0.00	32.00	25.00
28	0.00	35.00	23.00	5.20	32.00	27.00	0.00	34.00	26.50	0.00	33.00	25.50
29	0.00	36.00	27.00	28.40	31.00	28.00	0.00	35.50	26.00	0.00	31.00	25.00
30	0.00	37.50	27.50	23.20	29.40	24.20	9.20	37.00	26.50	0.00	34.50	25.50
31				1.20	31.30	22.70	17.00	34.50	26.00			
Max.	84.00	41.00		51.60	38.00		68.20	37.00		42.00	36.00	
Min.	0.00		20.00	0.00		22.70	0.00		23.00	0.00		22.00
Monthly total	152.40			227.10			293.70			113.00		
Monthly Average		37.29	26.08		32.99	25.54		33.33	25.12		33.78	25.56

Daily Observed Meteorological Data												
Name of Site: Lucknow				Measuring Authority : MGD2				Code: GGX0083				
Name of River / Tributary: Gomti								Year : 2016-17				
Month	Oct-16			Nov-16			Dec-16			Jan-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00	35.00	27.00	0.00	31.00	19.00	0.00	28.00	15.00	0.00		
2	0.00	34.50	26.50	0.00	31.00	18.00	0.00	26.00	12.50	0.00		
3	0.00	35.00	27.00	0.00	31.00	17.50	0.00	25.00	11.50	0.00		
4	0.00	33.00	26.00	0.00	30.50	17.00	0.00	27.00	13.00	0.00		
5	1.00	35.00	26.00	0.00	31.00	16.00	0.00	26.00	10.50	0.00		
6	41.00	30.50	26.50	0.00	30.50	16.00	0.00	20.00	10.50	0.00		
7	0.00	33.00	26.00	0.00	31.50	14.50	0.00	23.50	11.50	0.00		
8	0.00	33.50	25.00	0.00	29.00	13.00	0.00	24.00	11.00	0.00		
9	0.00	34.00	24.50	0.00	28.60	13.00	0.00	23.50	11.50	0.00		
10	0.00	34.50	23.50	0.00	29.00	12.50	0.00	23.00	9.50	0.00		
11	0.00	34.50	22.50	0.00	29.00	11.50	0.00	23.50	10.00	0.00		
12	0.00	35.00	21.50	0.00	30.00	15.00	0.00	22.50	11.00	0.00		
13	0.00	34.00	20.50	0.00	29.50	14.50	0.00	20.00	10.00	0.00		
14	0.00	34.00	20.00	0.00	29.00	13.50	0.00	22.50	9.00	0.00		
15	0.00	34.00	20.00	0.00	30.00	14.00	0.00	23.00	9.50	0.00		
16	0.00	33.50	19.50	0.00	29.00	15.00	0.00	22.00	9.00	0.00		
17	0.00	34.50	18.50	0.00	29.00	13.50	0.00	22.50	9.00	0.00		
18	0.00	35.00	18.00	0.00	28.00	13.00	0.00	23.50	9.00	0.00		
19	0.00	33.50	18.50	0.00	29.00	12.50	0.00	23.00	10.00	0.00		
20	0.00	33.50	19.50	0.00	28.00	12.00	0.00	22.50	9.50	0.00		
21	0.00	33.00	19.00	0.00	28.50	12.50	0.00	22.00	10.50	0.00		
22	0.00	34.00	19.00	0.00	31.00	13.50	0.00	22.50	10.00	0.00		
23	0.00	33.00	19.00	0.00	29.00	13.00	0.00	22.50	9.00	0.00		
24	0.00	32.50	19.00	0.00	29.00	13.50	0.00	24.50	8.50	0.00		
25	0.00	33.00	20.00	0.00	29.50	13.00	0.00	23.50	9.50	0.00		
26	0.00	32.50	18.50	0.00	27.00	13.50	0.00	23.00	12.00	0.00		
27	0.00	34.50	17.50	0.00	27.50	13.00	0.00	22.50	10.00	9.00		
28	0.00	34.00	18.00	0.00	28.00	14.00	0.00	22.00	9.00	7.40		
29	0.00	33.00	17.50	0.00	28.00	13.50	0.00	0.00	0.00	0.00		
30	0.00	33.00	18.00	0.00	28.50	14.50	0.00	0.00	0.00	0.00		
31	0.00	32.50	17.50				0.00	0.00	0.00	0.00		
Max.	41.00	35.00		0.00	31.50		0.00	28.00		9.00	0.00	
Min.	0.00		17.50	0.00		11.50	0.00		0.00	0.00		0.00
Monthly total	42.00			0.00			0.00			16.40		
Monthly Average		33.69	21.27		29.32	14.17		21.08	9.39		#DIV/0!	#DIV/0!

Daily Observed Meteorological Data												
Name of Site: Lucknow				Measuring Authority : MGD2				Code: GGXOO83				
Name of River / Tributary: Gomti								Year : 2016-17				
Month	Feb-17			Mar-17			Apr-17			May-17		
Date	Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric		Rainfall (mm)	Atmospheric	
		Max	Min		Max	Min		Max	Min		Max	Min
1	0.00			0.00			0.00			0.20		
2	0.00			0.00			0.00			0.00		
3	0.00			0.00			0.00			0.00		
4	0.00			0.00			0.00			0.00		
5	0.00			0.00			0.00			0.00		
6	0.00			0.00			0.00			0.00		
7	0.00			0.00			0.00			0.00		
8	0.00			0.00			0.00			0.00		
9	0.00			0.00			0.00			14.20		
10	0.00			0.40			0.00			0.00		
11	0.00			4.00			0.00			0.00		
12	0.00			0.00			0.00			0.00		
13	0.00			0.00			0.00			0.00		
14	0.00			0.00			0.00			0.00		
15	0.00			0.00			0.00			0.00		
16	0.00			0.00			0.00			0.00		
17	0.00			0.00			0.00			0.00		
18	0.00			0.00			0.00			1.20		
19	0.00			0.00			0.00			0.00		
20	0.00			0.00			0.00			0.00		
21	0.00			0.00			0.00			0.00		
22	0.00			0.00			0.00			0.00		
23	0.00			0.00			0.00			0.00		
24	0.00			0.00			0.00			0.00		
25	0.00			0.00			0.00			0.00		
26	0.00			0.00			0.00			0.00		
27	0.00			0.00			0.00			0.00		
28	0.00			0.00			0.00			0.00		
29				0.00			0.00			11.60		
30				0.00			0.00			0.00		
31				0.00						0.00		
Max.	0.00	0.00		4.00	0.00		0.00	0.00		14.20	0.00	
Min.	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00
Monthly total	0.00			4.40			0.00			27.20		
Monthly Average		#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!

Table-6

Table-6								
SITE WISE		MAXIMUM MINIMUM TEMPERATURE				TOTAL RAINFALL		
Sl. No.	Name of Site	TEMPERATURE (°C) (2016-17)		Total Rainfall (mm) (2012-13)	Total Rainfall (mm) (2013-14)	Total Rainfall (mm) (2014-15)	Total Rainfall (mm) (2015-16)	Total Rainfall (mm) (2016-17)
		Max	Min					
1	Badrinath at Alaknanda	25	9	629.3	1711.3	711	1257.5	419.6
2	Joshimath at Alaknanda	31	9	1264.6	1486.1	1344	859.8	1147.8
3	Rudraprayag at Mandakiani	40	14	1295.3	1515.7	978.7	890.9	1291.2
4	Rudraprayag at Alaknanda	40	14	1295.3	1515.7	978.7	890.9	1291.2
5	Rudraprayag at Alaknanda	40	14	1295.3	1515.7	978.7	890.9	1291.2
6	Nandakeshri at Pinder	38	17	1983.3	2391.2	1859.2	1297.7	2427.4
7	Karanprayag at Pinder	42	13	1527.3	1856.2	1299.3	1253.2	1663.4
8	Ganga Nagar at Mandakini	36	17	905.6	895.8	1269	1642	1160.4
9	Srinagar at Alaknanda	43	13	857	1653.8	1623.1	1426	1198
10	Uttarkashi at Bhagirathi	35.5	14	1814.7	2367.6	1835.3	1453.2	1218.8
11	Koteshwar at Bhagirathi	34.5	25	1446.5	1243.2	1110.2	610	1127.4
12	Deoprayag at Bhagirathi	39.5	14	1195.9	1114.4	1847.1	833.3	1076.6
13	Deoprayag at Ganga	39.5	14	1195.9	1114.4	1847.1	833.3	1076.6
14	Marora at Nayar	38	15.5	941.9	1060.1	1204.2	852.9	1053.6
15	Rishikesh at Ganga	40.5	16.5	1584.1	1750.4	2037.7	1562.92	1340.2
16	Hardwar at Ganga	NA	NA	1429	1332.5	1189.6	661.3	1370.5
17	Dhramnagri at Ganga	NA	NA	NA	NA	NA	NA	497.4
18	Kachhlabridge at Ganga	43.50	4.00	644.00	1045.20	346.10	391.20	641.40
19	Fatehgarh at Ganga	44.00	5.00	608.80	954.60	396.20	451.80	383.00
20	Kannauj at Ganga	NA	NA	500.00	818.30	470.00	434.20	534.80
21	Neemsar at Gomti	43.00	5.00	658.00	986.00	682.80	805.60	766.40
22	Bhatpurwaghat at Gomti	NA	NA	992.80	1084.20	821.30	512.60	646.50
23	Kalagarh at Ramganga	41.00	7.00	983.60	1655.60	1707.60	1684.30	989.20
24	Moradabad at Ramganga	42.00	6.00	1188.60	1256.40	975.00	867.00	1212.40
25	Bareilly at Ramganga	44.00	5.00	674.00	1281.70	1520.70	713.00	1154.60
26	Dabri at Ramganga	43.50	10.50	534.00	810.80	390.20	374.60	433.60
27	Ankinghat at Ganga	44.50	5.00	882.60	1329.40	399.80	462.80	431.40
28	Kanpur at Ganga	48.00	1.50	738.70	1039.30	715.00	624.00	788.70
29	Dalmau at Ganga	NA	NA	809.00	1182.60	499.00	462.40	590.20
30	Lucknow at Gomti	41.00	11.50	745.30	730.60	1645.80	414.20	876.20
31	Bani at Sai	NA	NA	1049.20	1113.20	1047.80	301.40	742.80
32	Raebareilly at Sai	43.00	4.00	1803.60	1289.40	1202.60	489.50	1002.80
33	Garhmukteshwar at Ganga	43.50	6.00	445.00	585.80	536.00	431.20	694.20
34	Bhitaura at Ganga	43.00	3.00	635.10	953.80	404.20	466.20	733.80
35	Bewar at Kali	NA	NA	822.00	958.50	555.00	320.00	610.00
36	Moradabad at Gangan	40.50	1.00	NA	NA	NA	NA	NA
37	Bhikiasen at Ramganga	38.00	6.00	1073.90	844.60	866.00	819.20	953.20
38	Rampur at Kosi	41.00	7.00	285.00	323.00	230.00	364.00	1060.00
39	Narora D/S at Ganga	NA	NA	2094.78	925.90	551.20	809.60	902.70

*Maximum- Minimum temperature and Total rainfall has been calculated based on observed data only and does not include the days when data could not be observed.

ABBREVIATIONS AND SYMBOLS

Km	:	Kilometer
mm	:	Millimeter
°	:	Degree
'	:	Minute
"	:	Second
°C	:	Degree Celsius
h	:	Hour
hrs	:	Hours
Km/h	:	Kilometer per hour
%	:	Percentage
DN	:	Division
MGDN	:	Middle Ganga Division
SRRG	:	Self Recording Rain Gauge
ORG	:	Ordinary Rain Gauge
GDSQ	:	Gauge, Discharge, Silt, Water Quality
N/A	:	Parameter is not being observed at site