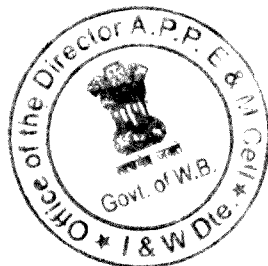


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**GOVERNMENT OF WEST BENGAL
IRRIGATION & WATERWAYS DIRECTORATE**

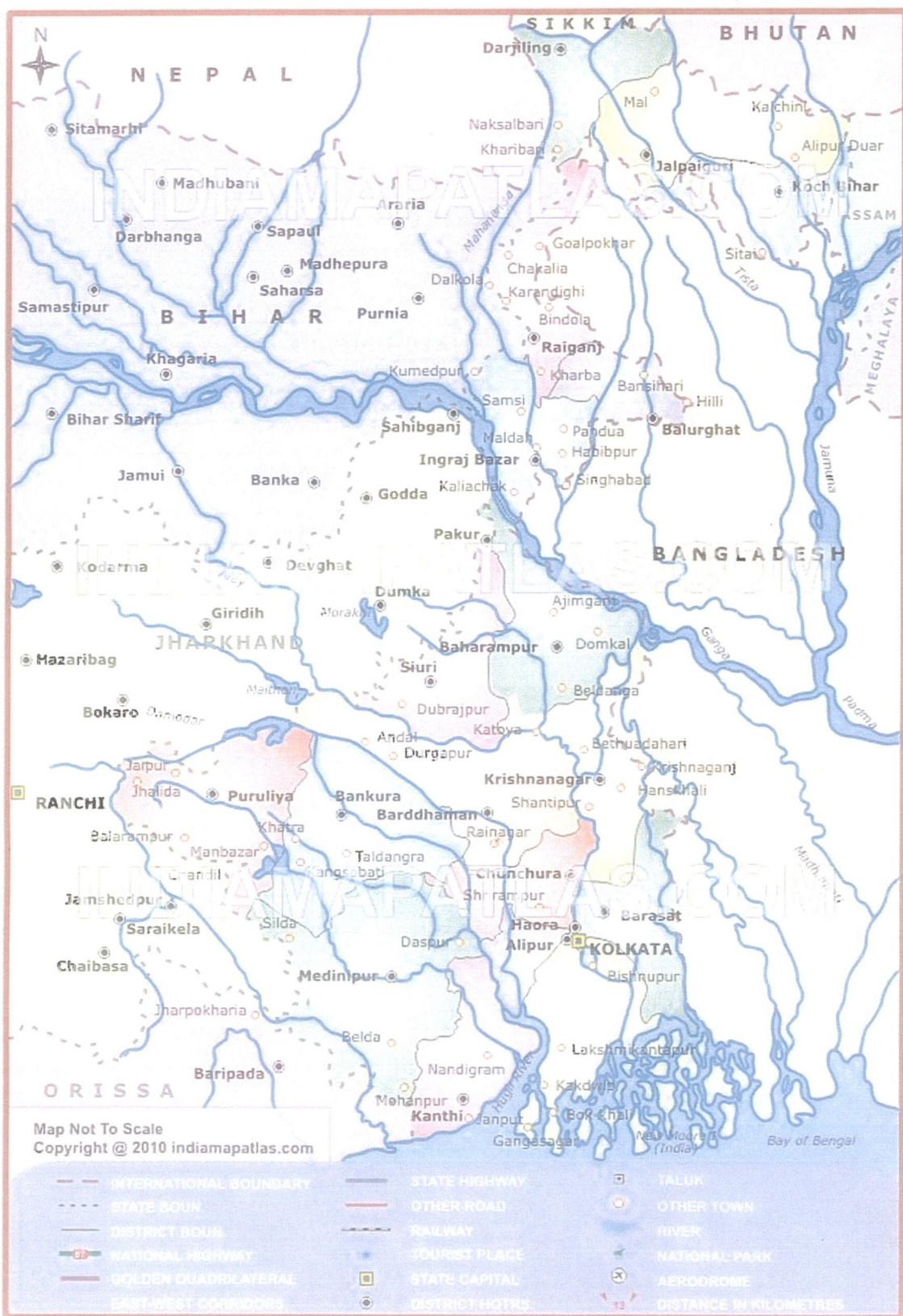


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ANNUAL FLOOD REPORT - 2011.

**Director
Advance Planning Project
Evaluation & Monitoring Cell
Irrigation & Waterways Directorate
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February 2012



ANNUAL FLOOD REPORT OF WEST BENGAL FOR THE YEAR 2011

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PREFACE

The State of West Bengal is the lower most riparian State in the Ganga Basin and most of the rivers in the State originate from outside the state boundary and are of inter-state/international category. The State is quite often ravaged by destructive flood, even without any appreciable rainfall within the geographical limits of the State. Along with flood, various allied problems like bank erosion, drainage congestion, cyclonic disaster accentuate the flood situation. The State being 43% of its geographical area flood prone, happens to be one of the prime flood prone States in the country.

The flood, a water related disaster in the state of West Bengal has been an annual feature. Some parts of the state are victims of onslaughts of flood each year resulting severe loss to standing crops, cattle and human properties. The state has all possible facets of flood, drainage, bank erosion, cyclonic storm ravages and associated problems. It has been noticed that the furies due to flood have increased during the last two decades. In the State only nine years could be identified as flood free years since 1960 when only less than 500 sq.kms of area were inundated.

There is 10401 K.M of total length of embankment (out of which 1326.08 K.M Ex – Zamindary Embankment) is maintained by this department in the state of West Bengal. Till date work for protection of total 25380 sq K.M area from flood has been undertaken by this department.. Length of 280 K.M coastal belt of the State (including Creeks) and 65.4 K.M. of sea-dyke length (Digha) and 7.9 K.M. length of Sea wall is maintained by this department in the state.

Embankments in various districts of the State in general and Sundarban areas in particular are used as communication link, particularly during periods of calamity for safe passage of people and carrying relief materials. Disruption of such communication links leads livelihood activities almost to a grinding halt. Moreover, embankments, constructed either decades or century ago particular embankment are functioning as lifeline to the people of Sundarban since those prevent entry of diurnal high tidal water into the countryside where average ground level is substantially lower than the normal amplitude of high tide. Due to breach as well as washout of embankments major portion of the area becomes disconnected from basic facilities of life.

Many factors such as intensity and duration of rainfall, sedimentation in river bed, natural or manmade obstruction etc. play a role in the occurrence of flood. Study of these factors and evaluation of flood hazards every year for a given basin/sub-basin are indispensable for evolution of various flood management measures. Accordingly Irrigation & Waterways Directorate, at the end of each flood season, prepare annual flood report comprising rainfall pattern in the basin/sub-basin, rainfall in the districts, reservoir condition and major flood events of the year.

1. INTRODUCTION.

The state West Bengal crowned by the mighty snow-white Himalayas in the North and frothy sea on the South is a combination of land varying from high regions in the north and partly high in the south west to the plains in the rest areas. The state is beset with extensive network of rivers, their tributaries, rivulets, jhoras, canals, tanks beels and low lying pockets of water bodies. With the Tropic of Cancer running across it, the state is situated between 21°31' & 27°13'14" North Latitudes and 85°45'20" & 89°53' East Longitudes. The geographical area of the state is about 88,752 sq.km. with a population density of 767 per sq.km. according to 2001 census.

West Bengal, a part of Bengal Delta, has a long recorded history of flood. It is because the landmass of the State was formed by the Ganga-Padma system of rivers through the delta building process of which flood is an adjunct being the main carrier of sediments, the bulk of fluvial deposit, in huge volumes. At present 42.3% of total area of the State is susceptible to flood spread over 110 blocks in 18 districts. The highest affected area as recorded in 1978 is about 30,607sq.km. and in 2000 about 23,971 sq.km. In the year 2011 about 1190 sq km. area was inundated, which is 1.34% of total geographical area of the state.

Ganges enters West Bengal near Rajmahal and then flows in a south-easterly direction. It divides into two near north of Dhulian in Murshidabad district. One branch enters Bangladesh as the Padma while the other flows through West Bengal as the Bhagirathi River and Hooghly River in a southern direction. The Bhagirathi is the main river in West Bengal which flows past some of the important cities like Murshidabad, Baharampur, Nabadwip, Chinsura, Chandannagar, Srirampur, Howrah, Kolkata, Diamond Harbour and Haldia. It empties its water into Bay of Bengal near Sagar Island in the South 24 Parganas

The Mayurakshi, Ajay, Damodar, Kangsabati, Rupnarayan and their tributaries which rise in the Western plateau and high lands flow eastwards through the different districts of West Bengal and joins the Bhagirathi on the right bank. The Mayurakshi, which is fed by tributaries Brahmani, Dwarka, Bakreshwar and Kopai joins the Bhagirathi near Kalna, the Ajay, which rises in the hills of Jharkhand, being joined by the Kunur, flows down the plateau fringe, marking the boundary between Bardhaman and Birbhum districts joining it near Katwa and Damodar, with its small meandering distributaries, small streams, Khari, Banka and Behula joins the Bhagirathi near Uluberia. The Damodar known as the sorrow of Bengal, is now controlled by making the Damodar Valley Project. The Dwarakeswar and Shilabati rivers join to form Rupnarayan and the Kangsabati and Keleghai rivers join to form the Haldi. The Rupnarayan and Haldi fall into the Bhagirathi in the Murshidabad district. The Subarnarekha river after flowing for a short distance in West Bengal re enters into Orissa. These rivers carry plenty of water thus keeping the Bhagirathi river with optimum water throughout the year. The rivers along with water carry silt and sand eroded from the western plateaus and deposits them in the Bhagirathi and the rivers themselves. This silting is causing great inconvenience for the Kolkata Port and often results flooding in the years of heavy rain.

The distributaries of the Padma River like Bhairab, Jalangi, Mathabhanga River and their tributaries enters West Bengal and joins the Bhagirathi on its left bank. [4] The Bhairab and the Jalangi meet and their joined waters known as Jalangi falls into Bhagirathi. The Mathabhanga divides into branches namely; Churni and Ichhamati, while the Churni meets the Bhagirathi while the other flows southwards and joins the Kalindi.

The Sunderbans region is covered by numerous estuaries and streams, mainly distributaries of main rivers. The rivers are interconnected and are fed by tidal waters. The major rivers of the area are Hoogly, Matla, Gosaba, Saptamukhi, Haribhanga, Piyali, Thakuran/ Jamira, Raimangal, Kalindi and Ichhamati.

The Teesta flows cutting deep gorges from north to south in the mountainous Darjeeling district, it enters the plains at Sevoke and flows in a mighty stream on straight line towards the south east until it pours its waters into the Brahamaputra in Bangladesh. Torsa, Jaldhaka, Kaljani, Raidak, Sankosh and Mahananda rivers are in the northern hilly region which rise in the Himalayas and flow in a southerly direction through the districts of Darjeeling, Jalpaiguri, Cooch Behar and North and South Dinajpur and enters Bangladesh. As most of the rivers are snow fed, so most of the rivers are perennial in nature and often floods during the rainy season. The entire

region is made up of sand, gravel and pebbles laid down by these rivers. The Mahananda rises from the Dow Hills forest, near the town of Darjeeling and are fed by similar small rivers like, Mahanadi, Balason, and Machi and runs in a zig-zag way through the district of Malda and joins the Padma in Bangladesh. In the central region, the main river is the Mahananda. The Tangon and Punarbhabha, and Atrai arises in the plains, while the former two joins together and flows into Mahanadi, Atrai flows into the Padma.

Classification of areas

1	Geographical Area	88,752 sq.km.
2.	Area under Forest	11,880 sq.km.
3.	Total Flood Prone Area	37,660 sq.km.
4.	Area already protected	22,005 sq.km.

1.1

RIVER BASINS

The state can be demarcated into three distinct drainage basins coming under the Ganga, Brahmaputra and Subarnarekha system respectively. These three main river basins can in turn be divided into Sub-basins having individual catchment of their own. The area-wise distribution of the above main basins in the state are as under –

1.	Brahmaputra Basin	11,860 sq.km.
2.	Ganga Basin including Sundarban Area	74,732 sq.km.
3.	Subarnarekha Basin	2,160 sq.km.

1.2

RIVER SYSTEM

1.2.1

Brahmaputra Basin Drainage System

The rainfall in the northern region of the state is generally high. The ground slope is steep enough particularly in the Sub-Himalayan regions of the northern districts. Except Darjeeling, all the areas belong to Brahmaputra Basin. This system consists of a total area of 11,860 sq.km. nearly 14% of the geographical area of the state. This basin area is interspersed with a large number of drainage channels which join the main drainage arteries of the regions like the rivers Teesta, Torsa, Raidak, Mansai, Jaldhaka etc. All these rivers originate from the Himalayas in Bhutan/Sikkim and flow across the Terai region and reach the plains of West Bengal and then flow to Bangladesh joining ultimately the Brahmaputra in Bangladesh. The rivers feeding the river Brahmaputra have number of tributaries as under –

Sl.No.	River Basin	Catchment area in sq.km.	Tributaries
1.	Sankosh	172	Chiklajhore
2.	Raidak	807	Raidak-I, Raidak-II, Turturi
3.	Torsa	3419	Kaljani, Sil-Torsa, Char-Torsa Dolong, Sanjai, Ghargharia, Garam, Diana, Pana, Jainti, Gabur-Basra
4.	Jaldhaka	3746	Mujnai, Murti, Diana, Sutanga, Dolong, Dharala, Ghatia, Kumlai, Gilandi, Duduya
5.	Teesta	3716	Great Rangeet, Ramam, Rangpoo, Mechi, Leesh, Ghish, Chel, Mal, Neora, Karala.

BRIEF DESCRIPTION OF RIVERS UNDER BRAHMAPUTRA BASIN

(A) SANKOSH

The river Sankosh with its origin in Bhutan is the eastern most river of Brahmaputra river basin. It serves as the boundary between the two states West Bengal and Assam. It joins with Raidak-II and finally falls into Brahmaputra in Bangladesh by name Gangadhar.

(B) RAIDAK.

It originates in Mt. Akungphu at an altitude of 6400 m. in Bhutan. The river Raidak then bifurcates into two channels namely Raidak-I and Raidak-II at Bhutanghat, close to Indo-Bangladesh border. Raidak-I joins the united stream of Torsa and Kaljani, while Raidak-II is joined by Sankosh and finally outfalls into Brahmaputra in Bangladesh by the name Gangadhar.

(C) TORSa

The river Torsa originates in Chumbi Valley of southern Tibet at an altitude of 7065 M. It flows through Tibet, Bhutan, West Bengal and Bangladesh. Below Hasimara bridge on NH-31, it bifurcates into two channels viz. Sil-Torsa and Char-Torsa. They reunite at Patla Khowa forest. The river passes by the Coochbehar town and is joined by river Kaljani and Raidak-I. The combined flow outfalls into Brahmaputra near Nageswari at Rangpur in Bangladesh.

(D) JALDHAKA

The river Jaldhaka has its origin at Bitang Lake in Sikkim at an altitude of 4400 M. It flows through Sikkim, Bhutan, West Bengal and Bangladesh. After the river is joined by a number of streams and tributaries both in mountainous and sub-mountainous regions, it finally flows into river Dharala and the combined system, by the name Dharala ultimately outfalls into Brahmaputra in Bangladesh.

(E) TEESTA

Teesta – the mighty river of North Bengal originates in the glaciers of North Sikkim at an altitude of 6400 M and is formed by the union of two streams viz. Lachen and Lachung at Chungthung in Sikkim. It enters West Bengal at Rangpoo and upto Mechi, it forms the boundary between West Bengal and Sikkim. Two of its tributaries- Great Rangit and Rammam also serve as the natural boundary between the two states. The river finally outfalls into Brahmaputra in Rangpur district of Bangladesh.

Status of gauge stations over Brahmaputra is tabulated below:-

River	Gauge Station	D.L	E.D.L	Remarks
SANKOSH	L.R.P. Crossing	48.200	49.100	
RAIDAK.	Raidak-I, L.R.P. Crossing	46.700	47.600	
	Raidak-II.L.R.P. Crossing	48.100	49.000	
TORSa	Hasimara	116.300	116.900	
	Kaljani/Alipurduar	45.100	45.700	
JALDHAKA	N.H. -31 Crossing	80.000	80.500	
	Diana/Chengmari	200.500	201.400	
	Mansai/Mathabhanga	47.700	48.200	
TEESTA	Coronation Bridge	149.400	151.800	
	Domohani	85.650	85.950	

1.2.2 GANGA BASIN

The two holy rivers – Bhagirathi and Alakananda originating from the glaciers of the Himalayas at an altitude of 7000 M. join at Dev prayag and the combined stream is known as the Ganga. It emerges into the plains at Rishikesh in Uttaranchal. After flowing exclusively through Uttaranchal and Uttar Pradesh it receives the flow of Yamuna, the largest tributary at Allahabad. The Ganga forms the boundary between Uttar Pradesh and Bihar for a length of about 110 km. and the river then enters Bihar and flows more or less through the middle of the state. After its confluence with the Kosi, the Ganga continues its eastward flows in Bihar for about 40 km. and then it enters West Bengal.

As it enters West Bengal, the river swings round the Rajmahal hill range and then starts flowing almost due south. The river then bifurcates into two arms about 40 km. below Farakka. The left arm called the Padma

flows eastwards into Bangladesh while the right arm called Bhagirathi continues to flow south through West Bengal. The stretch of the river after Nabadwip is called Hooghly and ultimately outfalls into the Bay of Bengal near Sagar Island.

The Central, Southern and the South-Western parts of the State of West Bengal constitute the Ganga Basin.

The total length of the river Ganga from its point of origin to the point where it falls into sea is about 2575 km. (measured along Bhagirathi and the Hooghly), of which 1450 km. lies in Uttaranchal and Uttar Pradesh, 110 km. along Uttar Pradesh and Bihar border, 445 km. in Bihar and 570 km. in West Bengal.

The Ganga system comprises a total area of 74,732 sq.km. within the state of West Bengal. The catchment areas of different rivers within this system in the state of West Bengal are as under :

Sl.No.	Name of River Sub-Basin	Catchment Area in Sq.km.
1	2	3
(a)	Mahananda	9,640
(b)	Punarbhaba	730
(c)	Atrai	910
(d)	Pagla-Bansloi	730
(e)	Dwaraka-Bhrahmani	2,500
(f)	Bhagirathi-Hooghly	1,170
(g)	Jalangi	5,344
(h)	Mayurakshi	2,720
(i)	Ajoy	2,490
(j)	Khari-Gangur-Ghea	4,460
(k)	Churni	800
(l)	Damodar	5,250
(m)	Dwarkeswar	4,430
(n)	24-Parganas(South & North) and Kolkata Port Drainage Basin	4,619
(o)	Kangsabati	8,369
(p)	Silabati	3,952
(q)	Rupnarayan	2,548
(r)	Pichabani	820
(s)	Rasulpur	1,130
(t)	Haldi	980
(u)	Tidal zone (Sundarban Area)	11,320

The different tributaries of these rivers are listed below –

Sl.No.	Name of River	Tributaries
1	2	3
1.	Mahananda	Mechi, Balason, Dauk, Nagar, Kulik, Gamari, Chiramati, Tangon, Kalindri
2.	Punarbhaba	Punarbhaba
3.	Atrai	Atrai
4.	Pagla	Pagla, Bansloi, Bagmari
5.	Brahmoni	Brahmoni, Dwarka
6.	Bhagirathi	Bhagirathi, Hooghly
7.	Jalangi	Jalangi, Silamari, Bhairab, Suti
8.	Mayurakshi	Mayurakshi, Babla, Siddheswari, Kuiya, Kopai, Bakreswar, Sal, Monikornika, Daoki, Kana, Mor, Gambhira.
9.	Ajoy	Ajoy, Hinglow, Kunoor, Pathro, Jayanti,
10.	Khari-Gangur-Ghea	Khari, Brahmoni, Banka, Bangour, Ghea, Behula, Kana
11.	Churni	Churni

12.	Damodar	Damodar, Barakar, Sali.
13.	Dwarkeswar	Ganddheswari, Dwarkeswar, Arkasha, Berai.
14.	Rupnarayan	Mundeswari, Dwarkeswar, Berai, Tarjuli, Sankari, Silabati, Joypanda, Kubai, Parag, Kanki, Ganddheswari, Damodar
15.	Haldi	Haldi, Banki, Kangsabati, Kumari, Bhairab, Tarafeni, Kaliaghai, Bagchai, Chandra, Kapaleswari.
16.	Rasulpur	Rasulpur, Pichabani.
17.	Tidal Rivers	Tolly's Nullah, Keorapukur, Ichamati, Raimongal, Kultigong, Jamuna, Kalindi, Haroa, Bhanga, Gosaba, Metia, Piali, Thakuran, Raidighi, Saptamukhi, Buriganga, Matla, Dansa, Kalagachi, Bidyadhari, etc.

BRIEF NOTES ON THE SUB-BASINS

1. MAHANANDA.

The river Mahananda originates from Ghoom near Darjeeling town in the district of Darjeeling. The Mahananda river system lies between latitude 25°15' N to 26°15' N and longitude 87°45' E to 88°15' E. It is bounded on the north by the Himalayas, in the east by the ridges separating it from Teesta river system, the river Ganga on the South and the Kosi river system in the east. The river bifurcates into two channels at Barsoi in Bihar. Out of the two branches one flows through Bihar by the name Fulahar and the other flows through West Bengal as Mahananda. The river Mahananda carrying the flow of four tributaries namely, Nagar, Kalindri, Tangon and Punarbhaba, drains into the river Ganga from the North-Western side at Godogarighat just downstream of the point where Ganga leaves the boundary of West Bengal.

Status of gauge stations over Mahananda is tabulated below

river	GaugeStation	D.L	E.D.L	Remarks
MAHANANDA	Hill Curt Road	115.970	116.590	
	Sonapur	75.770	76.380	
	Jhawa	31.400	32.010	
	Dangraghat	35.650	36.260	
	Englishbazar	22.750	23.500	
	Sui/Pajol	27.430	28.000	
	Sui/Katchua	25.490	26.090	
	Tangon/Radhikapur	33.450	34.050	
	Tangon/Banshihari	25.600	26.210	
	Nagore/Makdampur	31.540	31.860	
	Kullick/Railway Bridge	31.200	32.690	
	Dauk/Chopra	69.460	70.070	
	Gamari / Itahar	26.820	27.410	
	Fulhar/Teljana (Protected)	27.430	28.350	
	Fulhar/Teljana(Unprotected)	26.820	27.430	

2. ATRAI-PUNARBHABA

Some rivers like Sahu, Neem, Talma, Chaoi, Panga originating from the high lands in districts of Jalpaiguri, meet together afterwards. This combined stream assumes the name Karotowa. It then enters Bangladesh by the name Atrai. The river Atrai then bifurcates into two channels namely Dheepa and Atrai. The Western Channel – Atrai re-enters West Bengal in South Dinajpur district covering a length of 40 km. in the state. It again enters into Bangladesh and ultimately outfalls into river Brahmaputra.

The Dheepa on the other hand taking a South – Western course enters Gangarampur P.S. in South Dinajpur district assuming the name Punarbhaba. Covering a length of about 40 km. in the district it touches the

eastern boundary of Maldah district and finally enters Bangladesh. Further down, Punarbhaba meets the river Mahananda in Bangladesh.

Status of gauge stations over Punarbhaba is tabulated below

River	GaugeStation	D.L	E.D.L	Remarks
PUNARBHABA	Gangarampur	25.820	26.420	
	Balurghat	23.150	23.750	

3. NAGAR-KULICK, GAMARI-CHIRAMATI, TANGON, KALINDRI

All these rivers flow through the districts Malda and North Dinajpur. In course of their flow, somewhere they form the boundary either between West Bengal and Bihar or between West Bengal and Bangladesh. These rivers ultimately outfall into the river Mahananda.

Nagar, originating in Bangladesh flows along the boundary of West Bengal and taking a Southeastern course, receives a spill channel of Mahananda and is joined by Kullick, which has also its origin in Bangladesh. Gamari and Chiramati are two small rivers that flow through North-Dinajpur district before they are united. This combined stream finally outfalls into the river Mahananda.

Tangon is a tributary of river Mahananda. It rises in Bangladesh. It flows through the district of North-Dinajpur and Malda and meets Mahananda on the boundary of Malda and Bangladesh.

River Kalindri originating in North Bihar flows through the plain of Purnia district. It enters West Bengal in the Malda district and outfalls into Mahananda.

4. PAGLA-BANSLOI-BRAHMANI

These rivers originate from the Rajmahal hills in the district of Bihar. Flowing easterly across Birbhum district, they entered Murshidabad district as the tributaries of the river Bhagirathi.

Status of gauge stations over Pagla-Bansloi & Brahmoni is tabulated below.

River	GaugeStation	D.L	E.D.L	Remarks
PAGLA-BANSLOI	Bansloi	31.850	32.760	
BRAHMONI-DWARKA	Brahmani/ADB Road Crossing	33.000	33.400	
	Dwarka/Sankoghat	20.400	21.300	
	Ranagram	17.36	17.86	

5. JALANGI-BHAIRAB

The river Jalangi originates from the right bank of the river Padma in Murshidabad district, 165 km. downstream of Farakka. Jalangi is dead for all purposes except during the periods of rain, when it receives water from Padma. The river ends its journey by finally outfalling into the river Hooghly near Nabadwip town in Nadia district in West Bengal.

The river Bhairab starts its journey from the river Ganga in P.S. Lalbag of Murshidabad district. It is now almost a dead channel but during rainy season it receives water from Padma.

Status of gauge stations over Jalangi is tabulated below:

River	GaugeStation	D.L	E.D.L	Remarks
JALANGI	Swarupganj	8.440	9.050	

6. ICHAMATI-CHURNI

The river Mathabhanga originates from the mouth of the Jalangi of Padma. It is not an important river in this stage, as it flows mainly through Bangladesh. It flows only a few kilometers within the district of Nadia. At this stage, the river bifurcates into two streams – the eastern course runs a few kilometres through the districts in a south-east directions to meet Bhagirathi by the name Churni and the other course flows by the name Ichamati. Ichamati gets a little supply from Padma and thrives on wash out by tidal flows.

Status of gauge stations over Ichamati & Jamuna is tabulated below:

River	GaugeStation	D.L	E.D.L	Remarks
Ichamati	Mejdia	7.824	8.410	
	Bongaon	5.075	5.675	
Jamuna	Gaighata	3.900	4.500	
	Gobardanga	3.770	4.370	

7. BHAGIRATHI-HOOGHLY

The Ganga Brahmaputra Meghna river system constitutes one of the largest river systems of the world in terms of its water resources. The river Ganga originating in the Himalayas in India, drains a vast area. Near its deltaic head at Farakka it divides into two channels, the Bhagirathi-Hooghly and the Padma. The Bhagirathi-Hooghly flows through West Bengal and outfalls in Bay of Bengal and the Padma crosses over into Bangladesh and joins the Brahmaputra at Goalundo.

The river Bhagirathi divides the Murshidabad district into two part. It receives three right bank tributaries namely the Bagmari-Pagla, the Mayurakshi and the Ajoy. It receives the Jalangi just upstream of Nabadwip town from the left. After its confluence with the Jalangi, the Bhagirathi is known as the Hooghly.

The Bhagirathi-Hooghly is the main river in the state and is the main drainage artery for the southern districts draining almost the entire area. Before 12th century, the Ganga had its main course down Bhagirathi-Hooghly. Subsequently, the main flow was pushed to the east through the present course of Padma. The flow of Bhagirathi increases downstream due to the run off and outflows receives from a number of eastern and western tributaries. It also form the boundary between 24-Parganas and Hooghly districts.

Status of gauge stations over Bhagirathi is tabulatd below.

River	GaugeStation	D.L	E.D.L	Remarks
BHAGURATHI-HOOGHLY	Jangipur	20.270	20.880	
	Berhampore	17.220	17.830	
	katwa	13.710	14.320	
	Kalna	7.630	8.240	

8. MAYURAKSHI-BABLA

Mayurakshi originates from the high lands of Santhal Parganas. It is the main river of Birbhum district. Several spill channels – the Manikornika, Kana Mor, Gambhira etc. take off from the Mayurakshi in its lower reaches. All these rivers flow into the lower pocket of Hijal Beel in the district of Murshidabad. From the Beel, the river Babla starts its journey finally draining into the river Bhagirathi. The drainage and flood level in the Hijal Beel is considerably influenced by the level rulling in the Bhagirathi.

Status of gauge stations over Mayurakshi during the rainy season is tabulatd below

River	Gauge Station	D.L	E.D.L	Remarks
MAYURAKSHI	Narayanpur	27.990	28.790	

9. AJOY

The river Ajoy originates from the hills near Deoghar in Jharkhand. The Principal tributaries of the river are - Hinghlow, Kunoor, Pathro and Jayanti. The floods of this river are flashy and of short duration. There are some pockets in the Ajoy-Kunoor catchment which suffer from frequent inundation. Large areas of Burdwan and Birbhum districts face inundation whenever floods of the Ajoy synchronize with that of the Mayurakshi, the Pagla, the Bansloi and the Bhagirathi.

Status of gauge stations over Ajoy during the rainy season is tabulatd below

River	Gauge Station	D.L	E.D.L	Remarks
AJOY	Sikatia	165.640	166.240	
	Katwa	14.481	15.182	
	Gheropara	39.410	40.400	
	Budra	39.426	40.341	

10. DAMODAR

The river Damodar originating from Palamau hills in Jharkhand, bifurcates into two channels at Beguahana. The main flow passes through Mundeswari channel and discharges into Rupnarayan. The other one Amta channel carries discharge during high flood and outfalls into the Hooghly. The river causes floods in its lower reaches in the districts of Burdwan, Hooghly and Howrah, mainly on the right bank of the river below Beguahana..

Status of gauge stations over Damodar during the rainy season is tabulated below

River	Gauge Station	D.L	E.D.L	Remarks
DAMODAR	Randia	52.134	52.893	
	Edilpur	32.790	32.950	
	Jamalpur	23.237	23.542	
	Amta	5.640	6.240	
	Champadanga	12.890	13.500	
	Mundeswari/Harinkhola	12.600	13.410	

11. DWARAKESWAR-SILABATI-RUPNARAYAN

Dwarakeswar originates from the high lands of Purulia district. River Ganddheswari rising from Bankura district meets Dwarakeswar near Bankura town receiving water from streams like Arkasha, Berai, enters Hooghly district and meets Silabati to form Rupnarayan.

Silabati also originates in Purulia district. It traverses through the district of Midnapore. The river receives water of Joypanda and meets with Dwarakeswar to form Rupnarayan.

Rupnarayan is a combination of number of streams. The tidal reach below confluence of Dwarakeswar and Silabati is known as Rupnarayan. It outfalls into Hooghly after receiving mainflow of Damodar through Mundeswari and branch of Kangsabati. The river is tidal through out its entire course.

Status of gauge stations over Dwarakeswar-Silabati & Rupnarayan during the rainy season is tabulated below

River	Gauge Station	D.L	E.D.L	Remarks
DWARAKESWAR	Arambag	17.220	17.830	
	Shakepur	11.740	12.740	
SILABATI	Gadghat	8.990	9.600	
	Banka	15.080	15.680	
RUPNARAYAN	Bandar	6.850	7.460	
	Ranichak	5.330	5.940	
	Gopiganj	5.030	5.640	

12. KANGSABATI-KALIAGHAI-HALDI

The river Kangsabati originating from Purulia district is joined by Kumari in Bankura district. Further down, it is joined by the combined streams of Bhairab Banki and Tarafeni rivers and thereafter it flows through the Midnapore district. After a tortuous course, it bifurcates. The upper branch known as old Cossye or Palaspai Khal outfalls into the Rupnarayan and the other one is known as New Cossye.

The river Kaliaghai trickles out from Jhargram, P.S. in Midnapore district. During the course of its journey, it is fed by the flow of its tributaries namely Kapaleswari, Baghai and Chandia. This combined flow meets the other arm of Kangsabati i.e. New Cossye to form Haldi.

The river Haldi formed by joining of New Cossye and the combined flow of Kaliaghai outfalls into the river Hooghly. The lower portion of the river Haldi is affected by over bank spills and drainage problem during the monsoon.

Status of gauge stations over Kangsabati & kaliaghai during the rainy season is tabulatd below.

River	Gauge Station	D.L	E.D.L	Remarks
KANGSABATI	Mohanpur (Cossye)	25.750	26.360	
	Kalmijole (Old Cossye)	9.290	9.900	
	Panskura (New Cossye)	9.290	9.900	
KALIAGHAI	Amgachia	5.800	6.400	

13. RASULPUR

The river Rasulpur is formed by three streams namely Bagda, Sarpai and Madhakhali. It is the main river of Contai Sub-Division of Midnapore district. It acts as the main drainage for Dwarakeswar, Silabati and large portion of the Kangsabati rivers. It causes flooding in two regions namely Dubda and Contai areas. The river ultimately falls into the river Hooghly.

14. TIDAL RIVERS OF SOUTHERN WEST BENGAL.

Apart from the rivers described earlier within the Ganga and the Brahmaputra river systems, there is a group of rivers in Southern part of the State which falls in the deltaic zone. These rivers mostly lie in the deltaic zone to the east of the Hooghly river popularly known as Sundarbans and form an intricate network with a number of criss-cross inter connecting channels, thus dividing the land spill channels of Ganga, then upland supply running dry, during winter months. But gradually their off-takes from Ganga have deteriorated and in some cases being cut-off from the river. Now these rivers drain off whatsoever fresh discharge comes from country sides, thus ultimately draining into Bay of Bengal through one or other of the principal estuaries in the area which are, starting from Hooghly river successively the Bartala of Muriganga or channel creek, Saptamukhi, Matla, Gosaba, Hariabhanga, Raimongal etc.

The Tolly's Nullah or the Adi Ganga, as it is sometises called is a small but important tidal creek draining into the Hooghly from the left in the vicinity of the city of Kolkata.

1.2.3 SUBARNAREKHA BASIN

The river Subarnarekha though it has small catchment within this state, has got seperate entity as it directly falls into the Bay of Bengal. Originating in the Chotonagpur Range at an elevation of 609 M it traverses through three states – Bihar, West Bengal and Orissa. It drains a total area of 18,951 sq.km. of which 13,590 sq.km. in Bihar,

2,160 sq.km. in West Bengal and 3201 sq.km. in Orissa. The main tributaries of the river are Kanchi and Khakai above Chandil in Bihar, Kharkai in Bihar and Orissa and Dolong in West Bengal.

Status of gauge stations over Subarnarekha during the rainy season is tabulatd below.

River	Gauge Station	D.L	E.D.L	Remarks
SUBARNAREKHA	Sonakonia	16.150	16.750	

2. RAINFALL

Due to its physical and geographical position, the state, apart from diverse characteristics like physical, topographical has climatological variations as well. The average rainfall in the state is 1750 mm, of which more than 75% occurs during the monsoon period while the hilly region at the foot hills receives the heaviest rainfall

ranging from 2500 mm to 5000 mm, the southern districts in the plains receive average of 1125 mm to 1875 mm. The main rainfall season in this state is the South-West monsoon season during which the entire land (excepting the extreme north, the extreme north-east and extreme south) gets 75% of the annual rainfall. The gangetic plains of West Bengal gets 78% of its annual rainfall during the monsoon period. During last seventy five years, the date of onset of monsoon over West Bengal was spread between last week of May to last week of June with its withdrawal between last week of September to second week of October. This year the monsoon over West Bengal spread between early second week of June to second week of October.

2.1 RAINFALL PATTERN

The river Ganga divides the state into two parts, which are by and large homogeneous from the meteorological point of view. The northern half is designated as 'Sub-Himalayan West Bengal' and the southern half as 'Gangetic West Bengal'. Sub-Himalayan West Bengal is more susceptible to heavy rains both in respect of amount as well as in frequency of occurrence. Very heavy rain is more frequent in first two months (June and July) than in subsequent, in the Sub-Himalayan West Bengal. In Gangetic West Bengal the frequency is maximum in August followed by June, July and September in that order.

On the basis of rainfall distribution, the state can be divided into two broad zones –

- (i) The Himalayan and Sub-Himalayan Region,
- (ii) The Gangetic Plains.

2.1.1 HIMALAYAN AND SUB-HIMALAYAN REGION.

The Himalayan and Sub-Himalayan Region comprising the districts- Darjeeling, Jalpaiguri, Coochbehar and Northern part of Islampur Sub-Division of Uttar Dinajpur district of high intensity of rainfall from 2000 mm. to over 4000 mm. about 80% of which is found to occur during monsoon season. On the average Darjeeling, Coochbehar and Jalpaiguri get 114, 112, 110 rainy days respectively in a year. The monsoon generally follows a northerly track to ultimately break up against Eastern Himalaya causing very heavy rainfall and thereafter trough of low pressure under break monsoon conditions. It then shifts northwards to the Himalayan foothills. It has been found that a precipitation to the tune of 200 to 300 mm. in two hours is not unusual while in more than forty occasions of rainfall of 250 mm. and above have been registered during 1891-1965.

2.1.2 GANGETIC PLAINS

The gangetic plains which constitute the major portion of the state, can be further sub-divided into the following three sectors on the basis of average rainfall –

Sector – I : Comprising districts – Bankura, Burdwan, Hooghly, Nadia and Purulia which receive an average rainfall – between 1140 mm and 1400 mm.

Sector – II : Comprising districts – Birbhum, Midnapore, Murshidabad and North 24-Parganas having an average annual rainfall between 1400 mm and 1650 mm.

Sector – III : Comprising districts – Howrah and South 24-Parganas having an average annual rainfall – between 1650 mm and 1900 mm.

Such regional variations in the precipitation pattern causes flood conditions from time to time.

This year in the gangetic West Bengal region districts- Bankura(+42%), Birbhum(+12%), Burdwan(+15%), Hooghly(+7%), Murshidabad(+25%), Nadia(+11%), North 24 Parganas(+22%), Purulia(+29%), West Midnapore(+10%) had experienced excess rainfall than the normal annual rainfall but, East Midnapore(-10%), Howrah(-08%), Kolkata(-07%), South 24 Parganas(-18%) had experienced less rainfall than the normal annual rainfall and the region as a whole had experienced excess (+9.99%) rainfall than the normal annual rainfall.

In the Sub Himalayan region districts- North Dinajpur(+04%), Darjeeling(+20%) had experienced excess rainfall than the normal annual rainfall but, Coochbehar(-24%), Jalpaiguri(-12%), Malda(-01%), South Dinajpur(-11%) had experienced less rainfall than the normal annual rainfall and the region as a whole had experienced less(-4.08%) rainfall than the normal annual rainfall.

The monthly, annual, monsoon period rainfall data for the districts as collected from Indian Meteorological Department, Alipore, Kolkata are shown in separate annexure from A1 to A15.

Gauge levels of important rivers during the monsoon period of 2011 along with relevant graphs are given in Annexure from G-1 to G-70.

Reservoir along with outflow of different dams and barrages (Tenughat Dam, Tilpara Barrage, Masanjore Dam, Maithon Dam, Durgapur Barrage, Kangsabati Barrage & Panchet Dam) during monsoon period are given in annexure R1 to R23).

3. 2011 - A YEAR OF FLOOD

This year the state had experienced flood like situation mainly in two spells in the month of June '11 and August '11, due to formation of low pressure and deep depression in the gangetic West Bengal and adjoining States, heavy to very heavy rainfall occurred in various South Bengal districts i.e. South & North 24-Parganas, Kolkata, Howrah, Purba and Paschim Medinipur, Hooghly, Bardwan, Birbhum, Nadia, Bankura, Purulia, Murshidabad, Malda etc. as well as Jharkand. Particularly in the catchment area of Damodar and its tributaries and also Kangsabati rivers.

Release of water from various reservoirs within and outside State boundary combined with run-off of the uncontrolled catchment caused swelling in various districts, which often ran above Extreme Danger Level (E.D.L.) for a substantial period of time.

Damages in the nature of breach, rain cuts, ghogues, slips, subsidence and erosion to the embankments and other appurtenants of the I&W Department had occurred in this season. Major damages occurred in 68 no blocks and 4 no municipality of 10 no districts of West Bengal namely Burdwan, Bankura, Howrah, Hoogly, Purulia, North & South 24 Parganas, Purba & Paschim Midnapur in South Bengal and Coochbehar in north Bengal in the month of June and July.

Major damages due to heavy rainfall, dam release synchronized with high tide occurred in 70 no blocks and 2 no municipality of 15 no districts of West Bengal namely Burdwan, Howrah, Hoogly, North & South 24 Parganas, Purba & Paschim Midnapur, Murshidabad, Birbhum, Nadia in South Bengal and Coochbehar, Jalpaiguri, Malda, North & South Dinajpur in north Bengal in the month of August & September. Utmost attempts had been made to moderate the flood discharge to the possible extent through continuous interaction with the DVC authorities.

In the year 2011 about 1231.45 sq km. area was inundated, which is 1.34% of total geographical area of the state. District wise detailed damage report is shown in a separate annexure.

4. CONCLUSION

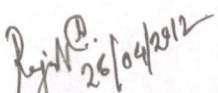
The West Bengal is basically recipient of run-off generated outside the state. The state has a typical basin characteristics. In the north the rainfall is high and the ground slope is steep mainly in the Sub-Himalayan region. The rivers in the Terai region are wide with shallow depth. Due to continuous denudation of forest cover, Dolomite mining in the hills, the river beds are being silted up day by day reducing the carrying capacity of the rivers causing the flood. In the South & Central Region heavy rainfalls and run-off coming from the upper catchment cause drainage congestion and inundation due to very flat ground slope of the regions.

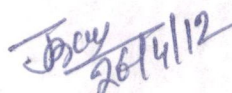
Main structural measures of flood control in West Bengal are embankments measuring 10000 km. (approx.) spread over different river systems, constructed over the years. There are dams across the Kangsabati, the Mayurakshi and the Damodar river system. But only in the Damodar river system the dams moderate the peak flood to some extent. The other structural measures like catchment area treatment and afforestation in upper catchment requires intervention at Government of India level as they are outside the state.

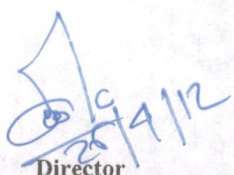
In North Bengal, an elaborate flood warning system maintained by the department warns the people about the trend of rise of the rivers and thus alarm them to take necessary safety measures. In Central & South Bengal the water level of different rivers together with their danger & extreme danger levels and releases from different dams and reservoirs are intimated to different authorities from time to time during rainy season. Besides, the department also tries to maintain contact with Indian Meteorological Department, Kolkata to get information on adverse weather condition during the monsoon period and to take possible measures. Central Water Commission also extends their co-operation in supplying the conditions and trends of important river conditions in addition to rainfall data at different rain gauge stations.

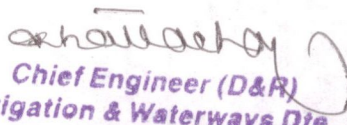
Besides the department has already opened its own website (www.wbiwd.com) to make available daily rainfall data and river gauge levels with trend at different stations.

The flood management of the state is a vast problem. The problem cannot be tackled by the state government alone. It requires close liaison of different organisations. The flood awareness particularly understanding about the complexity of the causes of flood and vulnerability of West Bengal will require help of NGO's and Panchayet Raj Institutions. The flood is a problem to be admitted by the society and the people of an area are to formulate their own action plan in close liaison with different Government organizations.


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Monthly Districtwise Actual and Normal Rainfall received from IMD Alipur, Kolkata
alongwith percent departure from the normal for the month January, 2011

Sub-Division : Gengetic West Bengal

Sl. No.	Name of District	Actual rainfall in mm.	Normal rainfall in mm.	% Departure
1	Bankura	5.1	12	-57
2	Birbhum	8.1	13.4	-39
3	Burdwan	0.0	10.7	-100
4	East Midnapore	3.7	15.9	-77
5	Hoogly	1.9	11.9	-84
6	Howrah	4.9	12.2	-60
7	Kolkata	0.2	14.4	-99
8	Murshidabad	4.7	16.8	-72
9	Nadia	0.0	12.2	-100
10	24 Pgs North	0.0	15.6	-100
11	Purulia	1.2	14.3	-92
12	24 Pgs South	0.1	13.6	-99
13	West Midnapore	4.2	12.2	-65
Total		34.1	175.2	-1044
Average		2.62	13.48	-80.31

Sub-Division : Sub-Himalayan West Bengal

1	Coochbehar	0.8	8.9	-92
2	Darjeeling	3.7	48.9	-92
3	Jalpaiguri	2.3	9.2	-75
4	Malda	0.4	13.6	-97
5	North Dinajpur	1.6	21.5	-93
6	South Dinajpur	0.0	8.9	-100
Total		8.8	111	-549
Average		1.47	18.50	-91.50

Monthly Districtwise Actual and Normal Rainfall received from IMD Alipur, Kolkata
alongwith percent departure from the normal for the month February, 2011

Sub-Division : Gengetic West Bengal

Sl. No.	Name of District	Actual rainfall in mm.	Normal rainfall in mm.	% Departure
1	Bankura	0.7	18	-96
2	Birbhum	1.8	16.1	-89
3	Burdwan	0.7	22.2	-97
4	East Midnapore	7.4	18.6	-60
5	Hoogly	0.4	26.6	-98
6	Howrah	5.3	24.9	-79
7	Kolkata	15.1	24.7	-39
8	Murshidabad	1.3	11.2	-88
9	Nadia	0.4	17.6	-98
10	24 Pgs North	0.3	17.8	-98
11	Purulia	0.2	20.7	-99
12	24 Pgs South	3.3	26.7	-88
13	West Midnapore	8.1	24.1	-66

Total	45	269.2	-1095
Average	3.46	20.71	-84.23

Sub-Division : Sub-Himalayan West Bengal

1	Coochbehar	11.0	16.0	-32
2	Darjeeling	8.2	33.8	-76
3	Jalpaiguri	8.2	17.8	-54
4	Malda	4.6	10.5	-57
5	North Dinajpur	11.1	2.0	453
6	South Dinajpur	9.3	13.3	-30

Total	52.4	93.4	204
Average	8.73	15.57	34.00

Monthly Districtwise Actual and Normal Rainfall received from IMD Alipur, Kolkata
alongwith percent departure from the normal for the month March, 2011

Sub-Division : Gengetic West Bengal

Sl. No.	Name of District	Actual rainfall in mm.	Normal rainfall in mm.	% Departure
1	Bankura	33.7	22.0	53
2	Birbhum	36.3	21.2	71
3	Burdwan	27.1	19.8	37
4	East Midnapore	21.5	31.8	-32
5	Hoogly	42.5	28.2	51
6	Howrah	29.2	32.0	-9
7	Kolkata	26.5	33.5	-21
8	Murshidabad	53.0	19.0	179
9	Nadia	35.8	21.1	70
10	24 Pgs North	45.9	30.3	51
11	Purulia	44.2	24.6	80
12	24 Pgs South	29.2	37.9	-23
13	West Midnapore	70.9	39.0	82

Total	462.1	338.4	536
Average	35.55	26.03	41.23

Sub-Division : Sub-Himalayan West Bengal

1	Coochbehar	88.8	32.2	176
2	Darjeeling	20.2	57.7	-65
3	Jalpaiguri	44.4	39.7	12
4	Malda	3.9	14.5	-73
5	North Dinajpur	--	8.0	--
6	South Dinajpur	32.7	19.0	72

Total	190.0	171.1	122
Average	31.67	28.52	20.33

Monthly Districtwise Actual and Normal Rainfall received from IMD Alipur, Kolkata
alongwith percent departure from the normal for the month April, 2011

Sub-Division : Gengetic West Bengal

Sl. No.	Name of District	Actual rainfall in mm.	Normal rainfall in mm.	% Departure
1	Bankura	122.3	36.3	237
2	Birbhum	62.8	30.9	103
3	Burdwan	55.4	37.8	47
4	East Midnapore	62.3	34.7	80
5	Hoogly	71.8	50.6	42
6	Howrah	46.8	52.6	-11
7	Kolkata	48.4	53.1	-9
8	Murshidabad	140.5	34.0	313
9	Nadia	82.5	42.1	96
10	24 Pgs North	39.8	51.5	-23
11	Purulia	74.6	36.1	107
12	24 Pgs South	73.9	41.7	77
13	West Midnapore	88.2	56.8	55

Total	969.3	558.2	1114
Average	74.56	42.94	85.69

Sub-Division : Sub-Himalayan West Bengal

1	Coochbehar	115.6	138.9	-17
2	Darjeeling	104.7	130.5	-20
3	Jalpaiguri	163.3	119.3	37
4	Malda	35.2	34.8	1
5	North Dinajpur	67.2	35.7	88
6	South Dinajpur	85.3	58.9	45

Total	571.3	518.1	134
Average	95.22	86.35	22.33

Monthly Districtwise Actual and Normal Rainfall received from IMD Alipur, Kolkata
alongwith percent departure from the normal for the month May, 2011

Sub-Division : Gengetic West Bengal

Sl. No.	Name of District	Actual rainfall in mm.	Normal rainfall in mm.	% Departure
1	Bankura	146.3	66.9	119
2	Birbhum	82.5	78.7	5
3	Burdwan	116.8	78.8	48
4	East Midnapore	132.5	108.1	23
5	Hoogly	121.7	108.5	12
6	Howrah	127.3	126.4	1
7	Kolkata	89.3	113.4	-21
8	Murshidabad	117.4	87.0	35
9	Nadia	122.1	95.2	28
10	24 Pgs North	144.6	113.4	28
11,	Purulia	98.0	57.3	71
12	24 Pgs South	94.0	125.1	-25
13	West Midnapore	107.5	107.6	0

Total	1500.0	1266.4	324
Average	115.38	97.42	24.92

Sub-Division : Sub-Himalayan West Bengal

1	Coochbehar	270.0	345.4	-22
2	Darjeeling	233.0	262.3	-11
3	Jalpaiguri	276.6	339.3	-18
4	Malda	127.4	106.2	20
5	North Dinajpur	204.8	162.9	26
6	South Dinajpur	192.0	167.8	14

Total	1303.8	1383.9	9
Average	217.30	230.65	1.50

Monthly Districtwise Actual and Normal Rainfall received from IMD Alipur, Kolkata
alongwith percent departure from the normal for the month June, 2011

Sub-Division : Gengetic West Bengal

Sl. No.	Name of District	Actual rainfall in mm.	Normal rainfall in mm.	% Departure
1	Bankura	544.1	215.0	153
2	Birbhum	411.4	222.3	85
3	Burdwan	417.0	198.2	110
4	East Midnapore	270.7	253.5	7
5	Hoogly	351.0	243.4	44
6	Howrah	292.8	233.2	26
7	Kolkata	367.8	278.3	32
8	Murshidabad	516.9	237.6	118
9	Nadia	324.8	234.1	39
10	24 Pgs North	375.9	271.9	38
11,	Purulia	523.0	222.1	135
12	24 Pgs South	419.4	316.0	33
13	West Midnapore	444.0	243.8	82

Total	5258.8	3169.4	902
Average	404.52	243.80	69.38

Sub-Division : Sub-Himalayan West Bengal

1	Coochbehar	387.1	668.8	-42
2	Darjeeling	620.2	534.7	16
3	Jalpaiguri	530.9	667.3	-20
4	Malda	331.5	216.6	53
5	North Dinajpur	354.8	316.0	12
6	South Dinajpur	324.7	289.3	12

Total	2549.2	2692.7	31
Average	424.87	448.78	5.17

Monthly Districtwise Actual and Normal Rainfall received from IMD Alipur, Kolkata
alongwith percent departure from the normal for the month July, 2011

Sub-Division : Gengetic West Bengal

Sl. No.	Name of District	Actual rainfall mm.	in Normal rainfall in mm.	% Departure
1	Bankura	187.7	303.2	-38
2	Birbhum	198.6	313.9	-37
3	Burdwan	259.7	294.1	-12
4	East Midnapore	305.9	284.9	7
5	Hoogly	249.4	316.1	-21
6	Howrah	256.8	343.2	-25
7	Kolkata	235.8	361.0	-35
8	Murshidabad	256.8	328.6	-22
9	Nadia	239.6	270.8	-12
10	24 Pgs North	408.6	317.2	29
11	Purulia	222.3	298.7	-26
12	24 Pgs South	205.3	463.6	-56
13	West Midnapore	139.3	329.5	-58

Total	3165.8	4224.8	-306
Average	243.52	324.98	-23.54

Sub-Division : Sub-Himalayan West Bengal

1	Coochbehar	815.2	864.9	-6
2	Darjeeling	1072.8	756.9	42
3	Jalpaiguri	929.4	931.4	0
4	Malda	242.6	332.9	-27
5	North Dinajpur	447.4	367.0	22
6	South Dinajpur	176.5	368.9	-52

Total	3683.9	3622	-21
Average	613.98	603.67	-3.50

Monthly Districtwise Actual and Normal Rainfall received from IMD Alipur, Kolkata
alongwith percent departure from the normal for the month August, 2011

Sub-Division : Gengetic West Bengal

Sl. No.	Name of District	Actual rainfall in mm.	Normal rainfall in mm.	% Departure
1	Bankura	394	290.7	36
2	Birbhum	490.4	298.8	64
3	Burdwan	348.8	285.3	22
4	East Midnapore	372.4	338.7	10
5	Hoogly	429.0	265.1	62
6	Howrah	433.7	329.4	32
7	Kolkata	445.6	335.2	33
8	Murshidabad	397.4	256.9	55
9	Nadia	362.6	236.0	54
10	24 Pgs North	545.3	304.3	79
11	Purulia	404.6	307.0	32
12	24 Pgs South	567.3	416.2	36
13	West Midnapore	489.4	316.0	55
Total		5680.5	3979.6	570
Average		436.96	306.12	43.83

Sub-Division : Sub-Himalayan West Bengal

1	Coochbehar	420.9	733.0	-43
2	Darjeeling	644.6	645.9	0
3	Jalpaiguri	543.5	670.9	-19
4	Malda	435.7	284.8	53
5	North Dinajpur	325.4	307.7	6
6	South Dinajpur	333.7	248.0	35
Total		2703.8	2890.3	32
Average		450.63	481.72	5.25

Monthly Districtwise Actual and Normal Rainfall received from IMD Alipur, Kolkata
alongwith percent departure from the normal for the month September, 2011

Sub-Division : Gengetic West Bengal

Sl. No.	Name of District	Actual rainfall in mm.	Normal rainfall in mm.	% Departure
1	Bankura	416.7	242.3	72
2	Birbhum	233.6	271	-14
3	Burdwan	240.3	251.1	-4
4	East Midnapore	297.0	343.2	-13
5	Hoogly	234.6	243.3	-4
6	Howrah	251.5	305.6	-18
7	Kolkata	332.8	306.6	9
8	Murshidabad	224.1	256.2	-13
9	Nadia	197.3	214.1	-8
10	24 Pgs North	308.5	279.4	10
11	Purulia	375.4	266.7	41
12	24 Pgs South	267.6	356.8	-25
13	West Midnapore	327.0	276.8	18

Total	3706.4	3613.1	52
Average	285.11	277.93	3.97

Sub-Division : Sub-Himalayan West Bengal

1	Coochbehar	474.6	470.9	1
2	Darjeeling	589.0	502.8	17
3	Jalpaiguri	490.6	488.3	0
4	Malda	202.8	283.0	-28
5	North Dinajpur	361.5	403.8	-10
6	South Dinajpur	249.0	279.7	-11

Total	2367.5	2428.5	-31
Average	394.58	404.75	-5.23

Monthly Districtwise Actual and Normal Rainfall received from IMD Alipur, Kolkata
alongwith percent departure from the normal for the month October,2011

Sub-Division : Gengetic West Bengal

Sl. No.	Name of District	Actual rainfall in mm.	Normal rainfall in mm.	% Departure
1	Bankura	30	105.2	-71
2	Birbhum	20.7	105.1	-80
3	Burdwan	51.4	99.8	-48
4	East Midnapore	28.2	196.9	-86
5	Hoogly	20.6	102.1	-80
6	Howrah	23.9	99.1	-76
7	Kolkata	23.5	155.3	-85
8	Murshidabad	25.3	126.3	-80
9	Nadia	29.6	100.2	-70
10	24 Pgs North	40.3	130.9	-69
11	Purulia	20.3	91.5	-78
12	24 Pgs South	42.3	218.4	-81
13	West Midnapore	6.3	106.5	-94

Total	362.4	1637.3	-998.71
Average	27.88	125.95	-76.82

Sub-Division : Sub-Himalayan West Bengal

1	Coochbehar	14.8	141.3	-90
2	Darjeeling	30.0	118.9	-75
3	Jalpaiguri	39.9	159.9	-75
4	Malda	22.4	102.5	-78
5	North Dinajpur	6.7	90.7	-93
6	South Dinajpur	3.7	112.5	-97

Total	117.5	725.8	-507
Average	19.58	120.97	-84.47

Monthly Districtwise Actual and Normal Rainfall received from IMD Alipur, Kolkata
alongwith percent departure from the normal for the month November, 2011

Sub-Division : Gengetic West Bengal

Sl. No.	Name of District	Actual rainfall in mm.	Normal rainfall in mm.	% Departure
1	Bankura	3.8	9.8	-61
2	Birbhum	0.5	15.8	-97
3	Burdwan	0.6	11.4	-95
4	East Midnapore	2.3	34.0	-93
5	Hoogly	0.1	16.0	-99
6	Howrah	0	31.3	-100
7	Kolkata	0.2	24.8	-99
8	Murshidabad	3.4	11.0	-69
9	Nadia	0.0	10.4	-100
10	24 Pgs North	0.0	21.8	-100
11	Purulia	0.0	16.7	-100
12	24 Pgs South	0.0	62.3	-100
13	West Midnapore	0.0	17.9	-100

Total	10.9	283.2	-1214
Average	0.84	21.78	-93.36

Sub-Division : Sub-Himalayan West Bengal

14	Coochbehar	8.2	15.1	-46
15	Darjeeling	16.4	16.8	-2
16	Jalpaiguri	9.5	18.0	-47
17	Malda	0.1	13.2	-99
18	North Dinajpur	17.1	9.1	88
19	South Dinajpur	1.1	13.0	-92

Total	52.4	85.2	-198
Average	7.49	12.17	-28.31

Monthly Districtwise Actual and Normal Rainfall received from IMD Alipur, Kolkata
alongwith percent departure from the normal for the month December, 2011

Sub-Division : Gengetic West Bengal

Sl. No.	Name of District	Actual rainfall in mm.	Normal rainfall in mm.	% Departure
1	Bankura	0.0	9.5	-100
2	Birbhum	0.0	5.6	-100
3	Burdwan	0.0	6.0	-100
4	East Midnapore	0.0	9.3	-100
5	Hoogly	0.0	6.9	-100
6	Howrah	0.0	10.1	-100
7	Kolkata	0.0	8.9	-100
8	Murshidabad	0.0	6.5	-100
9	Nadia	0.0	7.8	-100
10	24 Pgs North	0.0	5.7	-100
11	Purulia	0.0	7.6	-100
12	24 Pgs South	0.0	9.7	-100
13	West Midnapore	0.0	5.3	-100

Total	0	98.9	-1300
Average	0.00	7.61	-100.00

Sub-Division : Sub-Himalayan West Bengal

1	Coochbehar	3.3	8.3	-60
2	Darjeeling	4.2	9.9	-58
3	Jalpaiguri	2.8	7.2	-61
4	Malda	0.0	6.8	-100
5	North Dinajpur	0.0	3.2	-100
6	South Dinajpur	0.0	5.6	-100

Total	10.3	41	-479
Average	1.72	6.83	-79.82

Yearly Districtwise Actual and Normal Rainfall with percent departure from the normal for the year 2011

Sub-Division : Gengetic West Bengal

Sl. No.	Name of District	Actual rainfall in mm.	Normal rainfall in mm.	% Departure
1	Bankura	1884.7	1330.9	42
2	Birbhum	1559.3	1392.8	12
3	Burdwan	1517.8	1315.2	15
4	East Midnapore	1503.9	1669.6	-10
5	Hoogly	1523.0	1418.7	7
6	Howrah	1472.2	1600	-8
7	Kolkata	1585.0	1709.2	-7
8	Murshidabad	1737.6	1391.1	25
9	Nadia	1398.1	1261.6	11
10	24 Pgs North	1909.2	1559.8	22
11	Purulia	1763.8	1363.3	29
12	24 Pgs South	1702.4	2088	-18
13	West Midnapore	1684.9	1535.5	10

Total	21241.9	19635.7	130
Average	1633.99	1510.44	9.99

Sub-Division : Sub-Himalayan West Bengal

1	Coochbehar	2610.2	3443.7	-24
2	Darjeeling	3744.8	3119.1	20
3	Jalpaiguri	3041.4	3468.3	-12
4	Malda	1406.6	1419.4	-1
5	North Dinajpur	1797.6	1727.6	4
6	South Dinajpur	1408.0	1584.9	-11

Total	14008.6	14763	-24
Average	2334.77	2460.50	-4.08

**Districtwise actual monsoon rainfall in percentage of annual rainfall for the year
2011**

Sub-Division : Gengetic West Bengal

Sl. No.	Name of District	Monsoon rainfall mm.	in	Annual rainfall mm.	in	% Departure
1	Bankura	1572.5		1884.7		83
2	Birbhum	1354.7		1559.3		87
3	Burdwan	1317.2		1517.8		87
4	East Midnapore	1274.2		1503.9		85
5	Hoogly	1284.6		1523		84
6	Howrah	1258.7		1472.2		85
7	Kolkata	1405.5		1585		89
8	Murshidabad	1420.5		1737.6		82
9	Nadia	1153.9		1398.1		83
10	24 Pgs North	1678.6		1909.2		88
11	Purulia	1545.6		1763.8		88
12	24 Pgs South	1501.9		1702.4		88
13	West Midnapore	1406.0		1684.9		83

Total	18173.9	21241.9	1112
Average	1397.99	1633.99	85.53

Sub-Division : Sub-Himalayan West Bengal

1	Coochbehar	2112.6	2610.2	81
2	Darjeeling	2956.6	3744.8	79
3	Jalpaiguri	2534.3	3041.4	83
4	Malda	1235.0	1406.6	88
5	North Dinajpur	1495.8	1797.6	83
6	South Dinajpur	1087.6	1408	77

Total	11421.9	14008.6	491
Average	1903.65	2334.77	81.91

**Districtwise Actual and Normal Rainfall during monsoon with percent departure
from the normal for the year 2011**

Sub-Division : Gengetic West Bengal

Sl. No.	Name of District	Actual rainfall in mm.	Normal rainfall in mm.	% Departure
1	Bankura	1572.5	1156.4	36
2	Birbhum	1354.7	1211.1	12
3	Burdwan	1317.2	1128.5	17
4	East Midnapore	1274.2	1417.2	-10
5	Hoogly	1284.6	1170	10
6	Howrah	1258.7	1310.5	-4
7	Kolkata	1405.5	1436.4	-2
8	Murshidabad	1420.5	1205.6	18
9	Nadia	1153.9	1055.2	9
10	24 Pgs North	1678.6	1303.7	29
11	Purulia	1545.6	1186	30
12	24 Pgs South	1501.9	1771	-15
13	West Midnapore	1406.0	1272.6	10

Total	18173.9	16624.2	140
Average	1397.99	1278.78	10.75

Sub-Division : Sub-Himalayan West Bengal

1	Coochbehar	2112.6	2878.9	-27
2	Darjeeling	2956.6	2559.2	16
3	Jalpaiguri	2534.3	2917.8	-13
4	Malda	1235.0	1219.8	1
5	North Dinajpur	1495.8	1485.2	1
6	South Dinajpur	1087.6	1298.4	-16

Total	11421.9	12359.3	-39
Average	1903.65	2059.88	-6.42

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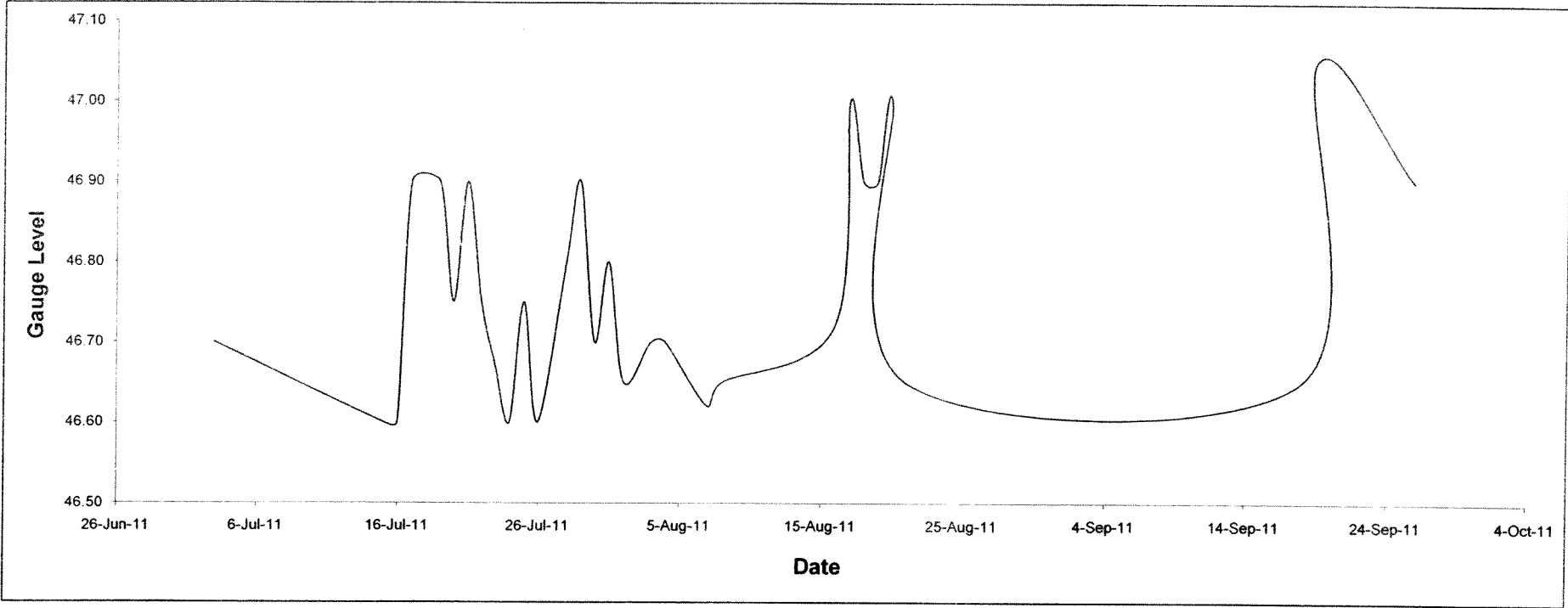
Gauge Levels of important rivers during monsoon season of 2011

North Bengal River

River-SANKOSH
Gauge Station- L.R.P. Crossing

Extreme Danger Level -49.10 metre
Danger level -48.20 metre
Reading at 6.00 AM

G-1



3-Jul	15-Jul	16-Jul	17-Jul	19-Jul	20-Jul	21-Jul	22-Jul	23-Jul	24-Jul	25-Jul	26-Jul	28-Jul	29-Jul	30-Jul
46.70	46.60	46.60	46.90	46.90	46.75	46.90	46.75	46.67	46.60	46.75	46.60	46.80	46.90	46.70
31-Jul	01-Aug	03-Aug	04-Aug	07-Aug	08-Aug	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	18-Sep	19-Sep	26-Sep
46.80	46.65	46.70	46.70	46.62	46.65	46.72	47.00	46.90	46.90	47.00	46.65	46.65	47.05	46.90

Gauge Levels of important rivers during monsoon season of 2011

North Bengal River

River-RAIDAK-I

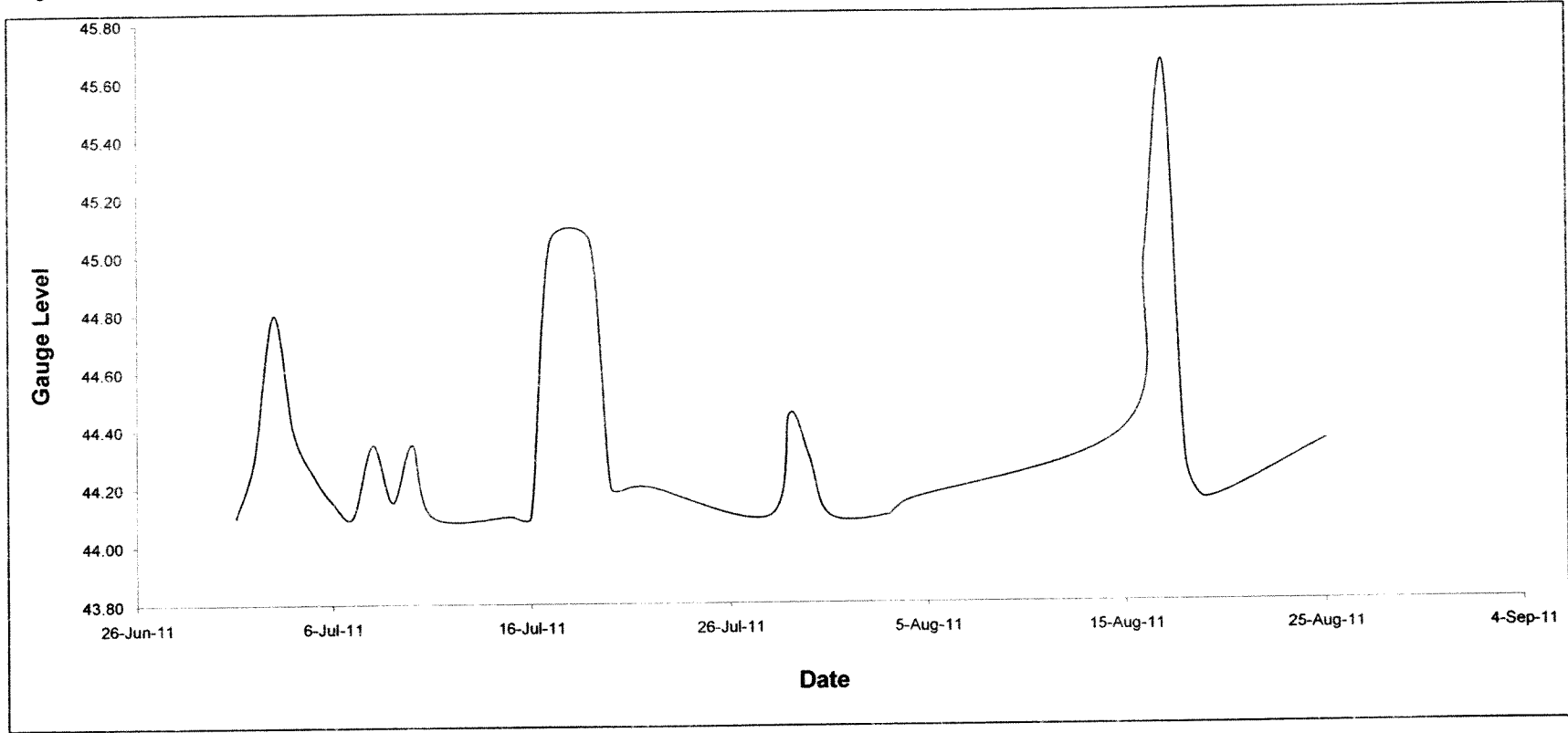
Gauge Station-LRP crossing

Extreme Danger Level -47.6 metre

Danger level -46.7 metre

Reading at 6.00 AM

G-2



1-Jul-11	2-Jul-11	3-Jul-11	4-Jul-11	5-Jul-11	6-Jul-11	7-Jul-11	8-Jul-11	9-Jul-11	10-Jul-11	11-Jul-11	15-Jul-11	16-Jul-11	17-Jul-11	19-Jul-11
44.10	44.30	44.80	44.40	44.25	44.15	44.10	44.35	44.15	44.35	44.1	44.10	44.10	45.05	45.05
20-Jul-11	21-Jul-11	22-Jul-11	28-Jul-11	29-Jul-11	30-Jul-11	31-Jul-11	3-Aug-11	4-Aug-11	15-Aug-11	16-Aug-11	17-Aug-11	18-Aug-11	19-Aug-11	25-Aug-11
44.20	44.20	44.20	44.10	44.45	44.30	44.10	44.10	44.15	44.40	45.00	45.65	44.30	44.15	44.35

Gauge Levels of important rivers during monsoon season of 2011

North Bengal River

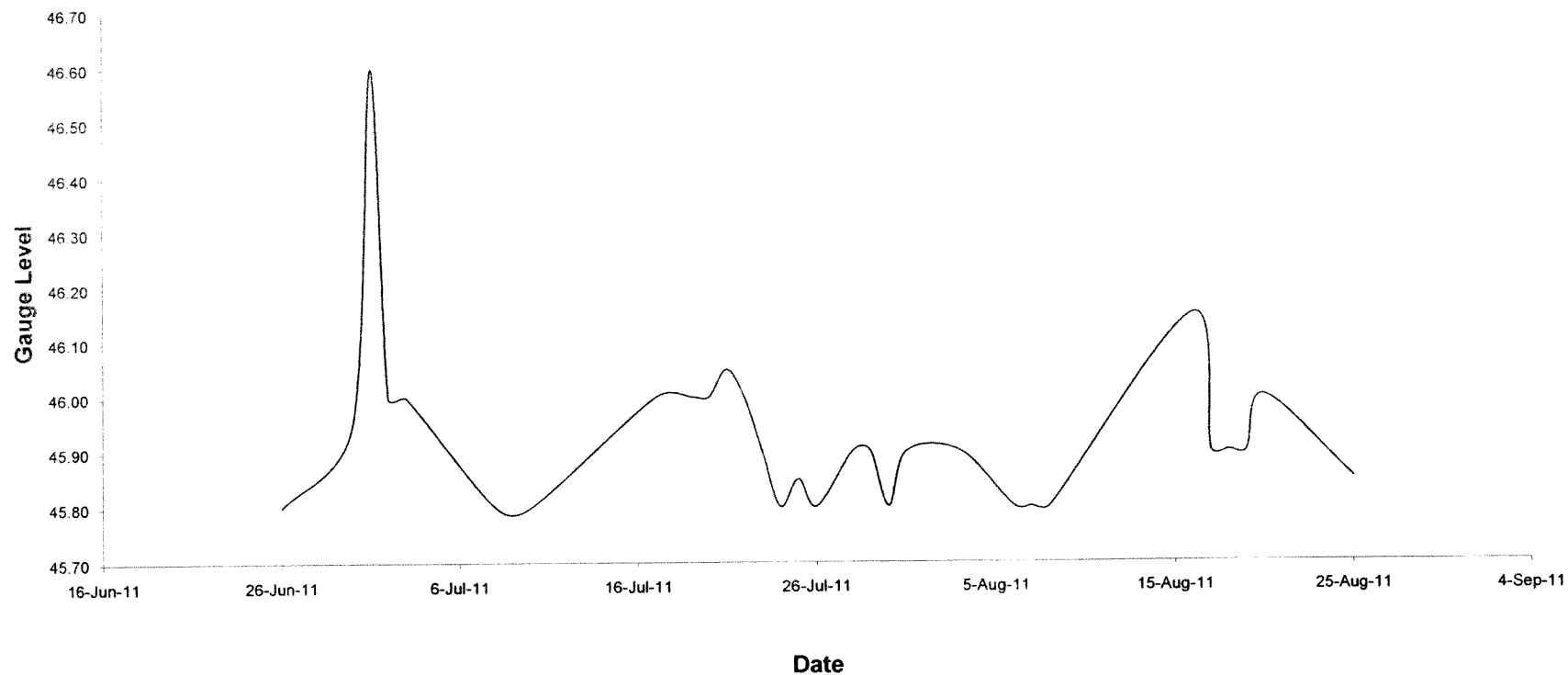
River-RAIDAK-II

Gauge Station- L.R.P. Crossing

Extreme Danger Level -49.0 metre

Danger level -48.1 metre

Reading at 6.00 AM



26-Jun	30-Jun	1-Jul	2-Jul	3-Jul	8-Jul	10-Jul	17-Jul	19-Jul	20-Jul	21-Jul	22-Jul	23-Jul	24-Jul	25-Jul
45.80	45.95	46.60	46.00	46.00	45.80	45.80	46.00	46.00	46.00	46.05	46.00	45.90	45.80	45.85
26-Jul	28-Jul	29-Jul	30-Jul	31-Jul	03-Aug	06-Aug	07-Aug	08-Aug	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	25-Aug
45.80	45.90	45.90	45.80	45.90	45.90	45.80	45.80	45.80	46.15	45.90	45.90	45.90	46.00	45.85

Gauge Levels of important rivers during monsoon season of 2011

North Bengal River

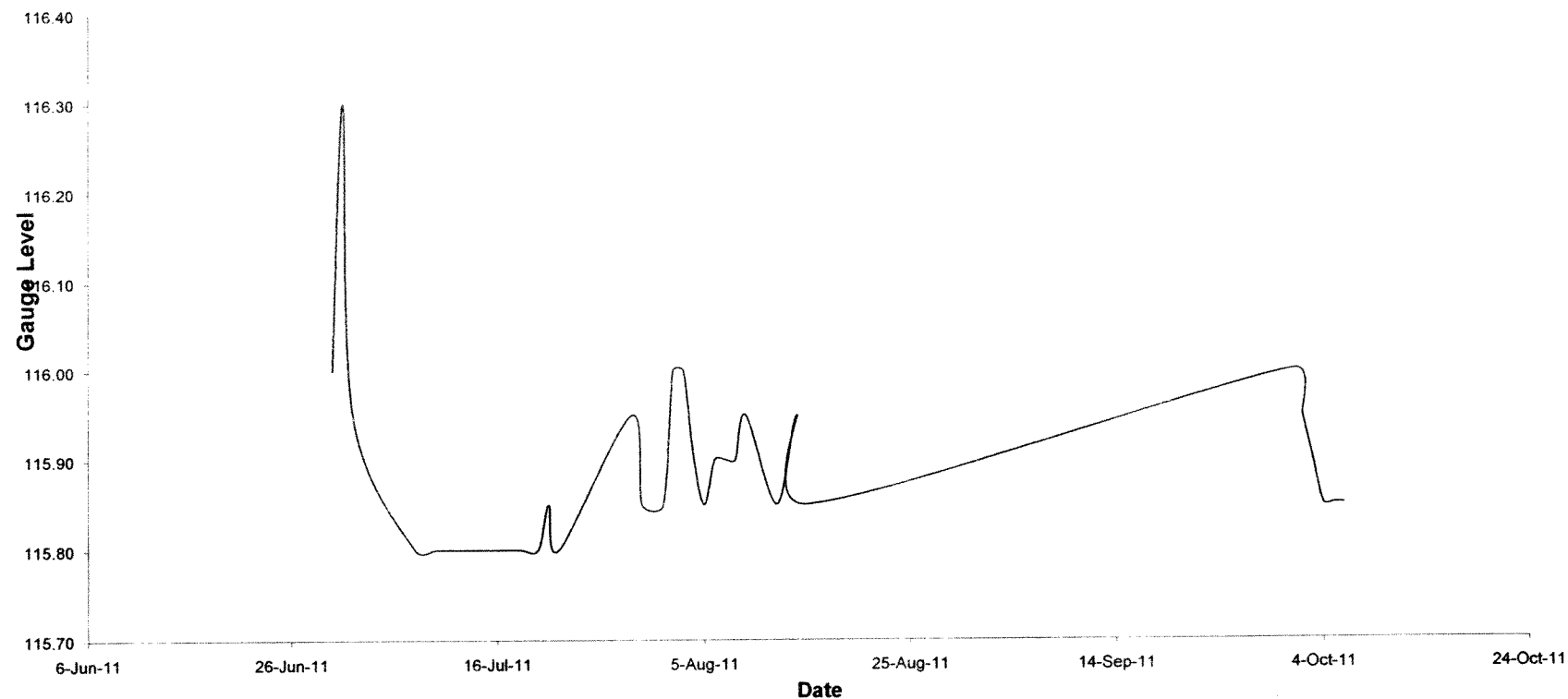
River-TORSA

Gauge Station- Hasimara

Extreme Danger Level -116.90 metre

Danger level -116.30 metre

Reading at 6.00 AM



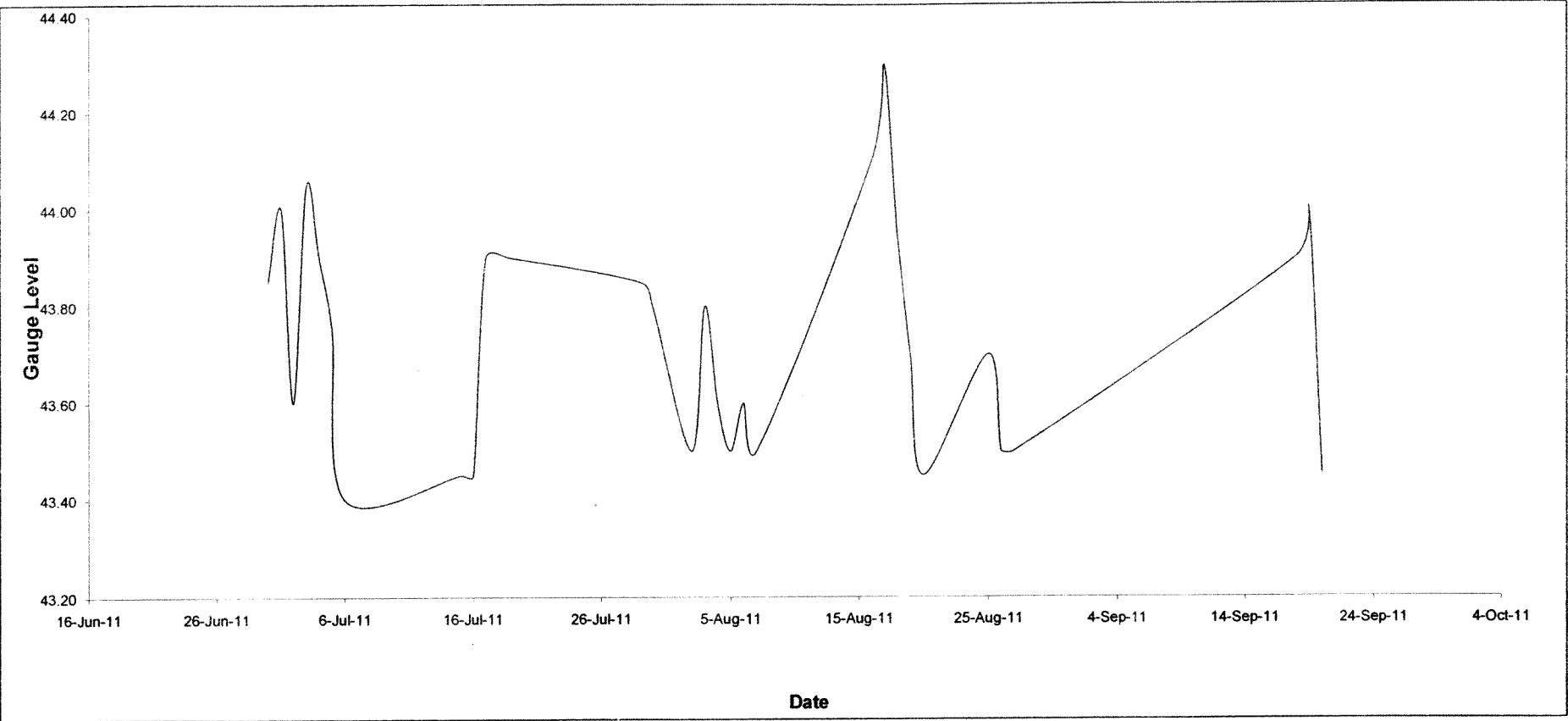
30-Jun	1-Jul	2-Jul	8-Jul	10-Jul	14-Jul	18-Jul	20-Jul	21-Jul	22-Jul	29-Jul	30-Jul	01-Aug	02-Aug	03-Aug
116.00	116.30	115.95	115.80	115.80	115.80	115.80	115.80	115.85	115.80	115.95	115.85	115.85	116.00	116.00
04-Aug	05-Aug	06-Aug	07-Aug	08-Aug	09-Aug	12-Aug	14-Aug	15-Aug	01-Oct	02-Oct	03-Oct	04-Oct	05-Oct	06-Oct
115.90	115.85	115.90	115.90	115.90	115.95	115.85	115.95	115.85	116.00	115.95	115.90	115.85	115.85	115.85

Gauge Levels of important rivers during monsoon season of 2011

North Bengal River

River-TORSA
Gauge Station- Kaljani/ Alipurduar

Extreme Danger Level -45.7 metre
Danger level -45.1 metre
Reading at 6 00 AM



30-Jun	1-Jul	2-Jul	3-Jul	4-Jul	5-Jul	6-Jul	15-Jul	16-Jul	17-Jul	19-Jul	29-Jul	30-Jul	02-Aug	03-Aug
43.85	44.00	43.60	44.05	43.90	43.75	43.40	43.45	43.45	43.90	43.90	43.85	43.80	43.50	43.80
04-Aug	05-Aug	06-Aug	07-Aug	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	25-Aug	26-Aug	27-Aug	18-Sep	19-Sep	20-Sep
43.60	43.50	43.60	43.50	44.10	44.30	43.95	43.70	43.45	43.70	43.50	43.50	43.90	44.00	43.45

Gauge Levels of important rivers during monsoon season of 2011

North Bengal River

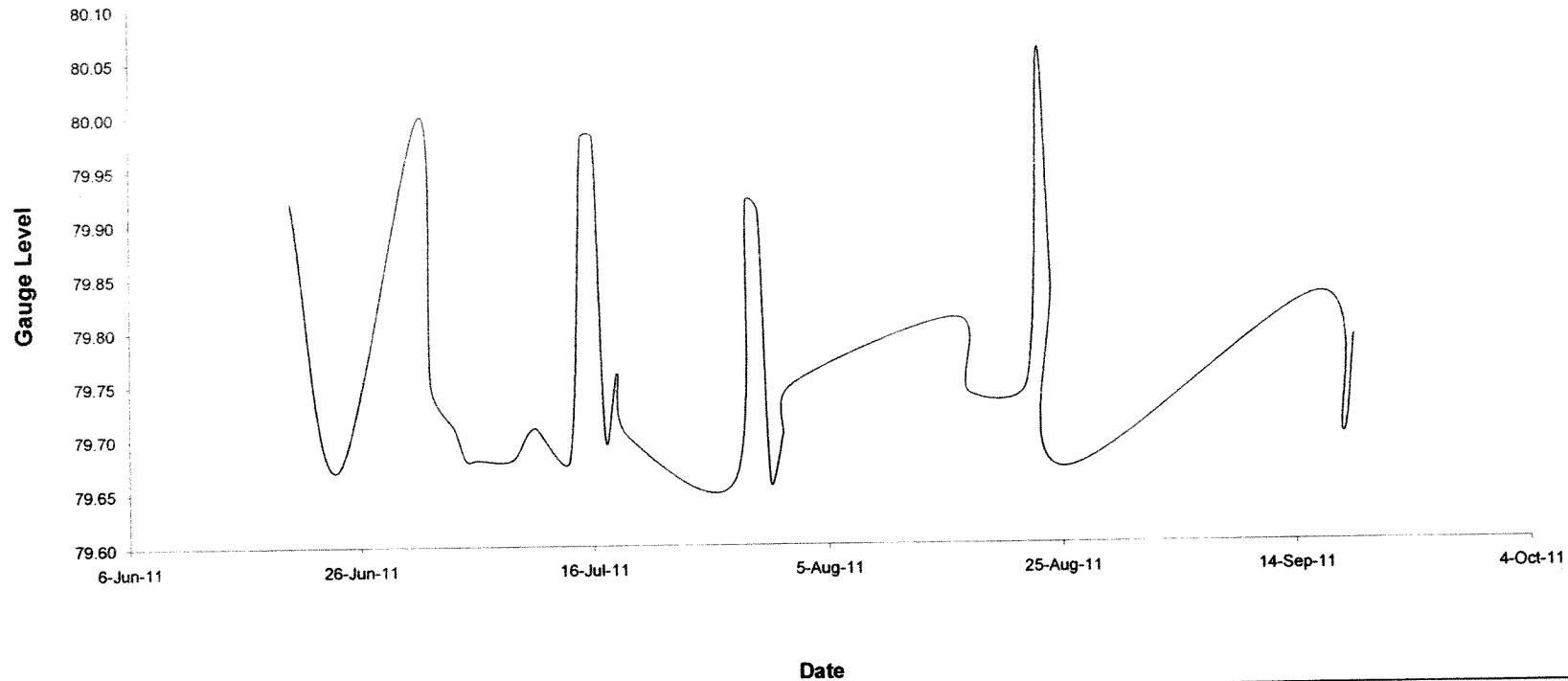
River-JALDHAKA

Gauge Station- N.H. -31 Crossing

Extreme Danger Level -80.5 metre

Danger level -80.0 metre

Reading at 6 00 AM



20-Jun	24-Jun	1-Jul	2-Jul	4-Jul	5-Jul	6-Jul	9-Jul	11-Jul	14-Jul	15-Jul	16-Jul	17-Jul	18-Jul	19-Jul
79.92	79.67	80.00	79.75	79.71	79.68	79.68	79.68	79.71	79.68	79.98	79.98	79.70	79.76	79.70
28-Jul	29-Jul	30-Jul	31-Jul	01-Aug	02-Aug	16-Aug	17-Aug	22-Aug	23-Aug	24-Aug	25-Aug	16-Sep	18-Sep	19-Sep
79.66	79.92	79.91	79.66	79.70	79.75	79.81	79.74	79.75	80.06	79.85	79.67	79.83	79.70	79.79

Gauge Levels of important rivers during monsoon season of 2011

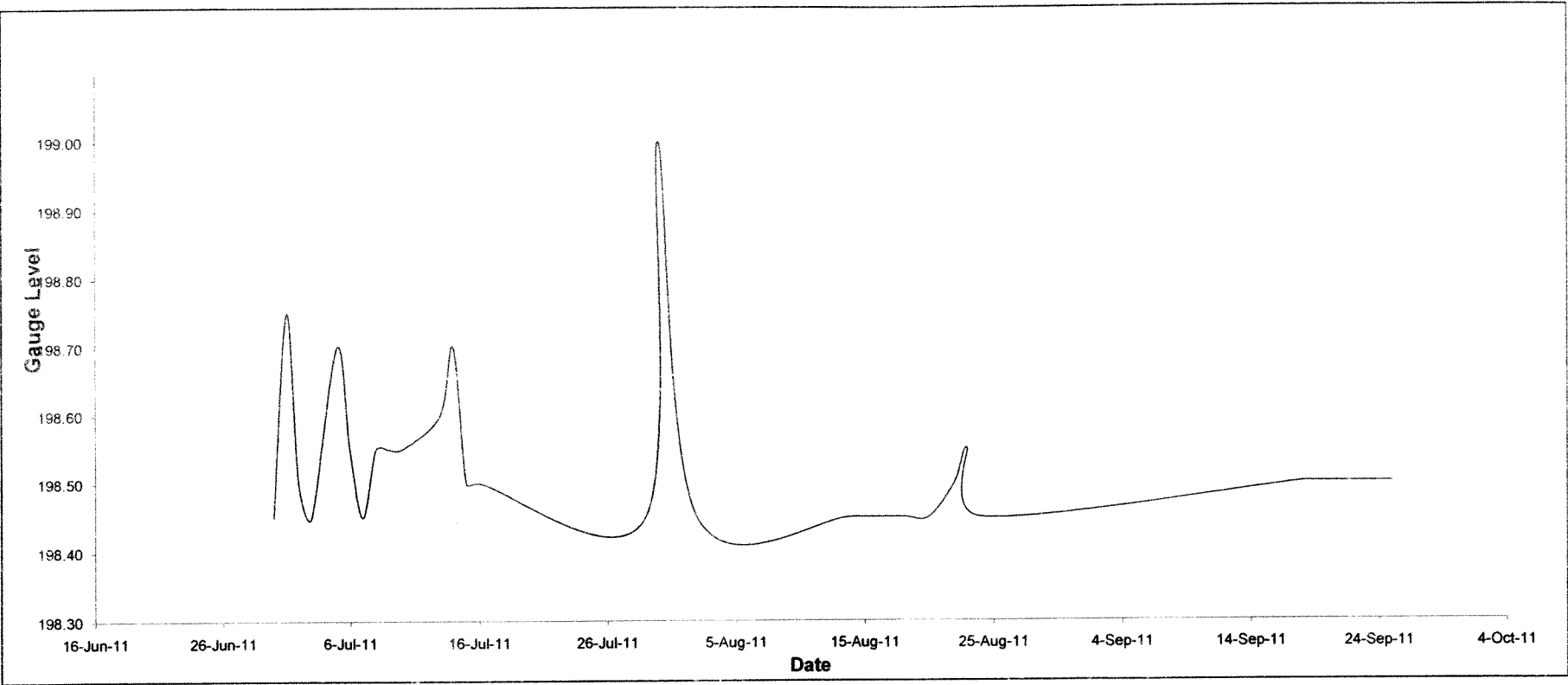
North Bengal River

River-JALDHAKA

Gauge Staion- Diana/ Chengmari

Extreme Danger Level -201.4 metre
Danger level -200.5 metre
Reading at 6.00 AM

G-7



22-Jun	23-Jun	24-Jun	26-Jun	30-Jun	1-Jul	2-Jul	3-Jul	5-Jul	6-Jul	7-Jul	8-Jul	09-Jul	10-Jul	13-Jul
198.70	198.50	198.50	198.3	198.45	198.75	198.50	198.45	198.70	198.55	198.45	198.55	198.55	198.55	198.60
14-Jul	15-Jul	16-Jul	29-Jul	30-Jul	02-Aug	14-Aug	18-Aug	20-Aug	22-Aug	23-Aug	24-Aug	18-Sep	19-Sep	25-Sep
198.70	198.50	198.50	198.45	199.00	198.45	198.45	198.45	198.45	198.50	198.55	198.45	198.50	198.50	198.50

Gauge Levels of important rivers during monsoon season of 2011

North Bengal River

River-JALDHAKA

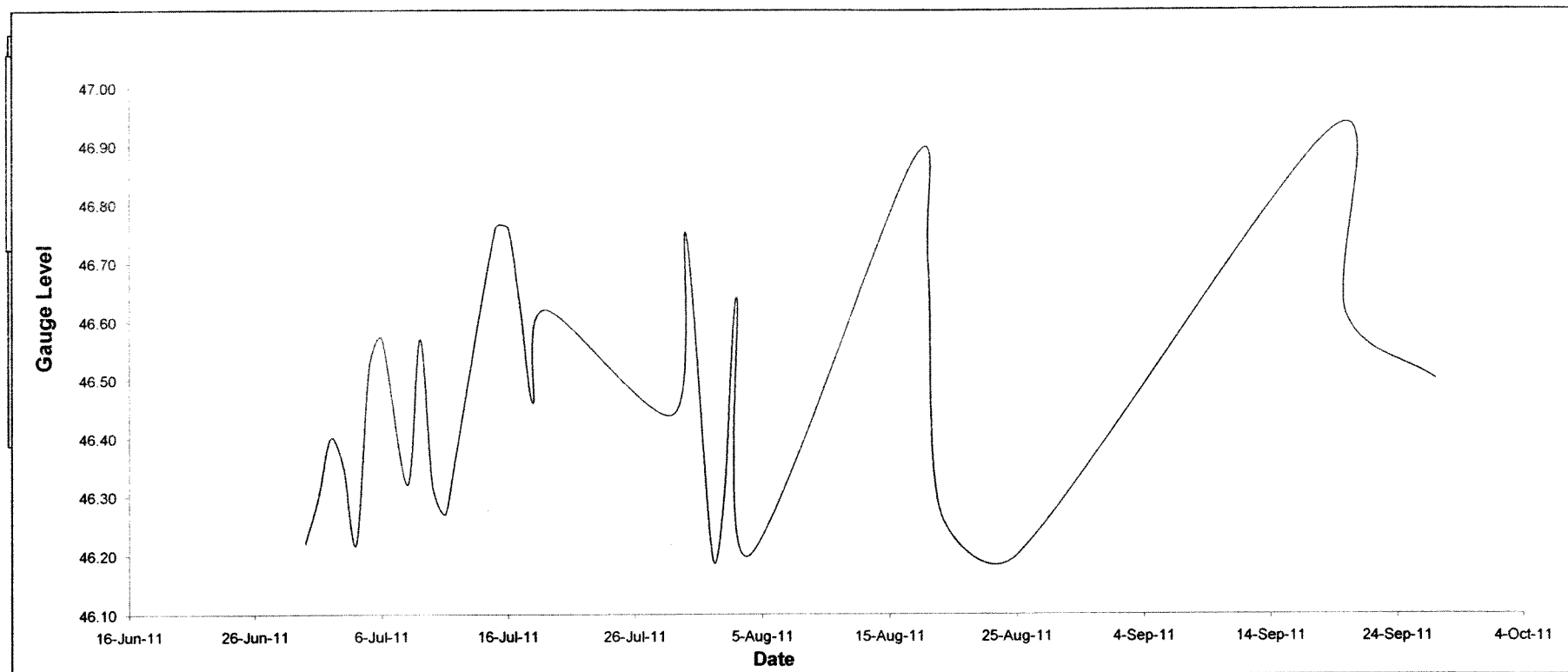
Gauge Station- Mansai/ Mathabhanga

Extreme Danger Level -48.2 metre

Danger level -47.7 metre

Reading at 6.00 AM

G-8



30-Jun	1-Jul	2-Jul	3-Jul	4-Jul	5-Jul	6-Jul	8-Jul	9-Jul	10-Jul	11-Jul	12-Jul	15-Jul	16-Jul	17-Jul
46.22	46.30	46.40	46.35	46.22	46.52	46.57	46.32	46.57	46.32	46.27	46.39	46.76	46.76	46.62
18-Jul	19-Jul	29-Jul	30-Jul	01-Aug	02-Aug	03-Aug	04-Aug	17-Aug	18-Aug	19-Aug	25-Aug	19-Sep	20-Sep	27-Sep
46.46	46.62	46.44	46.75	46.20	46.30	46.64	46.20	46.88	46.70	46.27	46.20	46.93	46.61	46.50

Gauge Levels of important rivers during monsoon season of 2011

North Bengal River

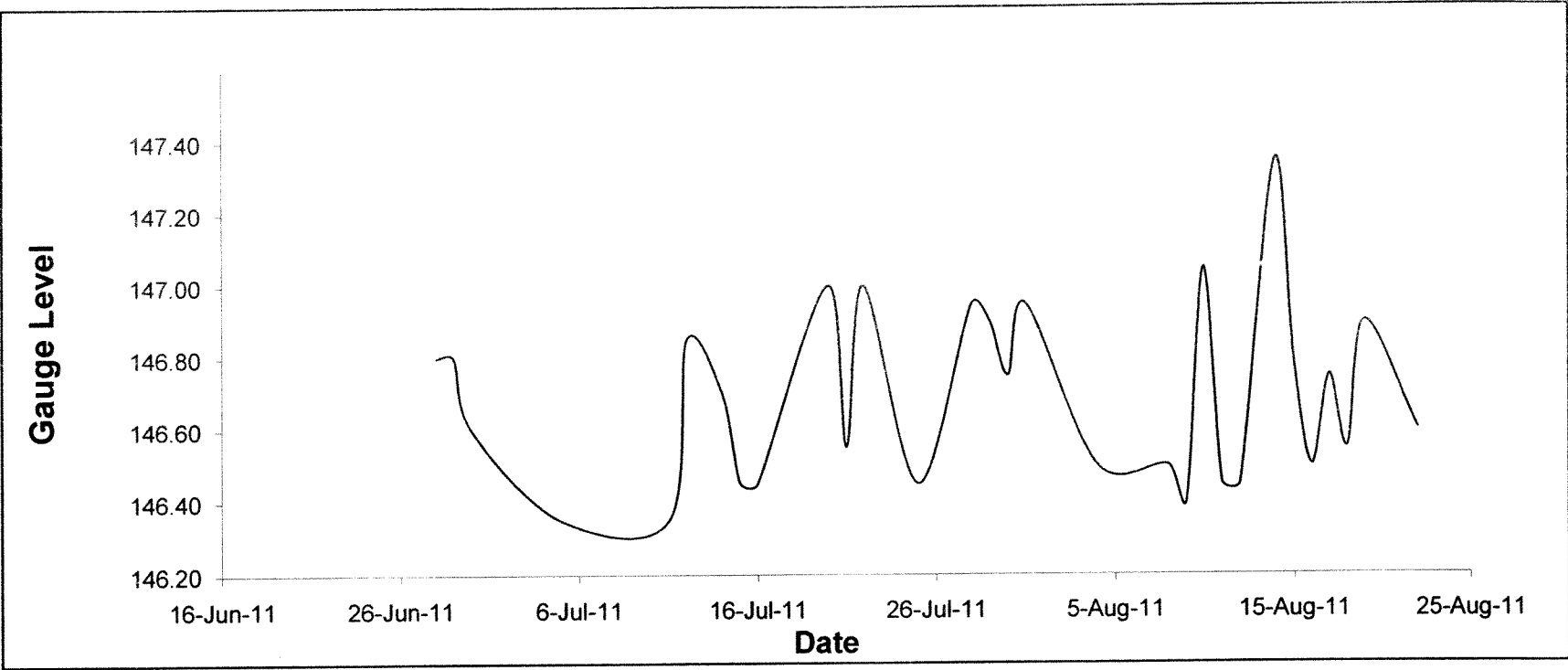
River-TEESTA

Gauge Staion- Coronation Bridge

Extreme Danger Level -151.8 metre

Danger level -149.4 metre

Reading at 6.00 A



28-Jun	29-Jun	30-Jun	5-Jul	11-Jul	12-Jul	14-Jul	15-Jul	16-Jul	20-Jul	21-Jul	22-Jul	25-Jul	28-Jul	29-Jul
146.80	146.80	146.60	146.35	146.35	146.85	146.70	146.45	146.45	147.00	146.55	147.00	146.45	146.95	146.90
30-Jul	31-Jul	04-Aug	08-Aug	09-Aug	10-Aug	11-Aug	12-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug	22-Aug
146.75	146.95	146.50	146.50	146.40	147.05	146.45	146.45	147.35	146.80	146.50	146.75	146.55	146.90	146.60

Gauge Levels of important rivers during monsoon season of 2011

North Bengal River

River-TEESTA

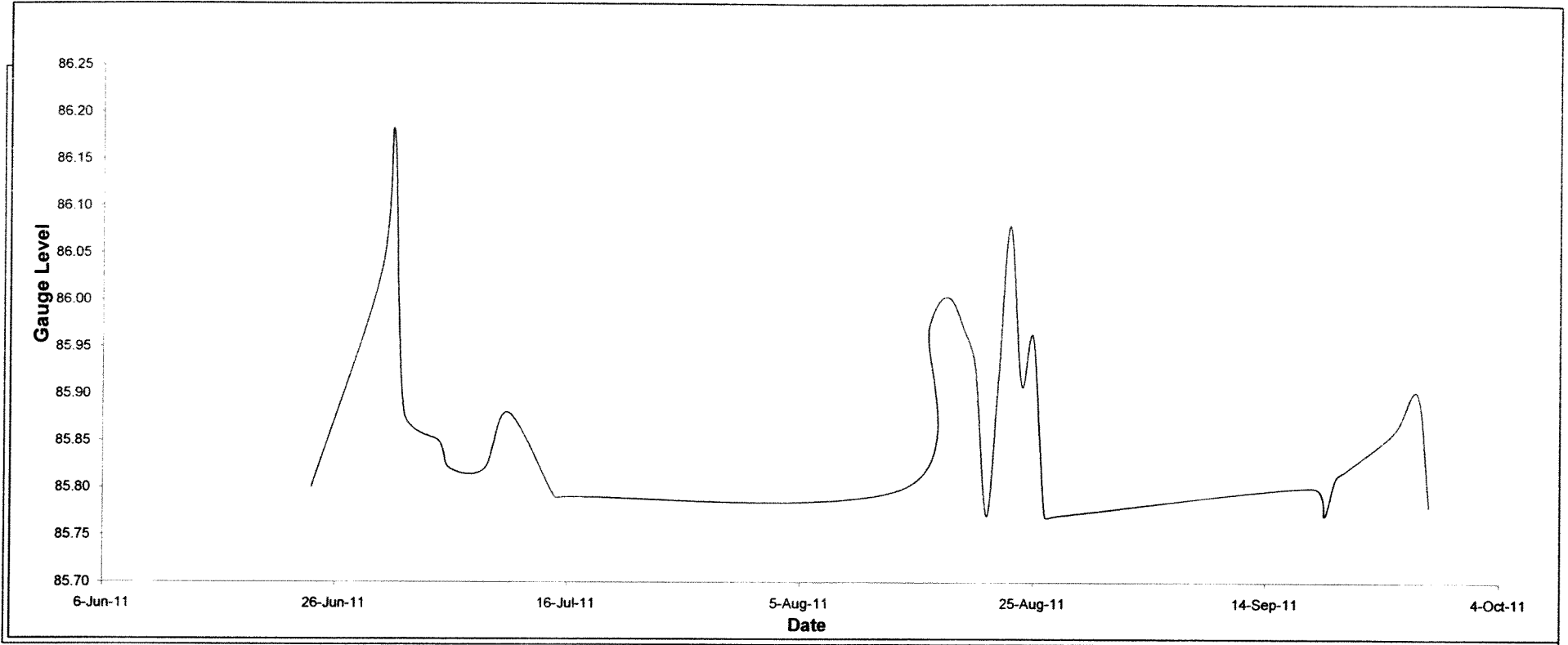
Gauge Station- Domohani

Extreme Danger Level -85.95 metre

Danger level -85.65 metre

Reading at 6.00 AM

G-10



24-Jun	30-Jun	1-Jul	2-Jul	5-Jul	6-Jul	9-Jul	11-Jul	15-Jul	16-Jul	14-Aug	16-Aug	17-Aug	18-Aug	19-Aug
85.80	86.03	86.18	85.88	85.85	85.82	85.82	85.88	85.79	85.79	85.80	85.97	86.00	86.00	85.97
20-Aug	21-Aug	22-Aug	23-Aug	24-Aug	25-Aug	26-Aug	27-Aug	18-Sep	19-Sep	20-Sep	21-Sep	25-Sep	27-Sep	28-Sep
85.93	85.77	85.91	86.08	85.91	85.96	85.77	85.77	85.80	85.77	85.81	85.82	85.86	85.90	85.78

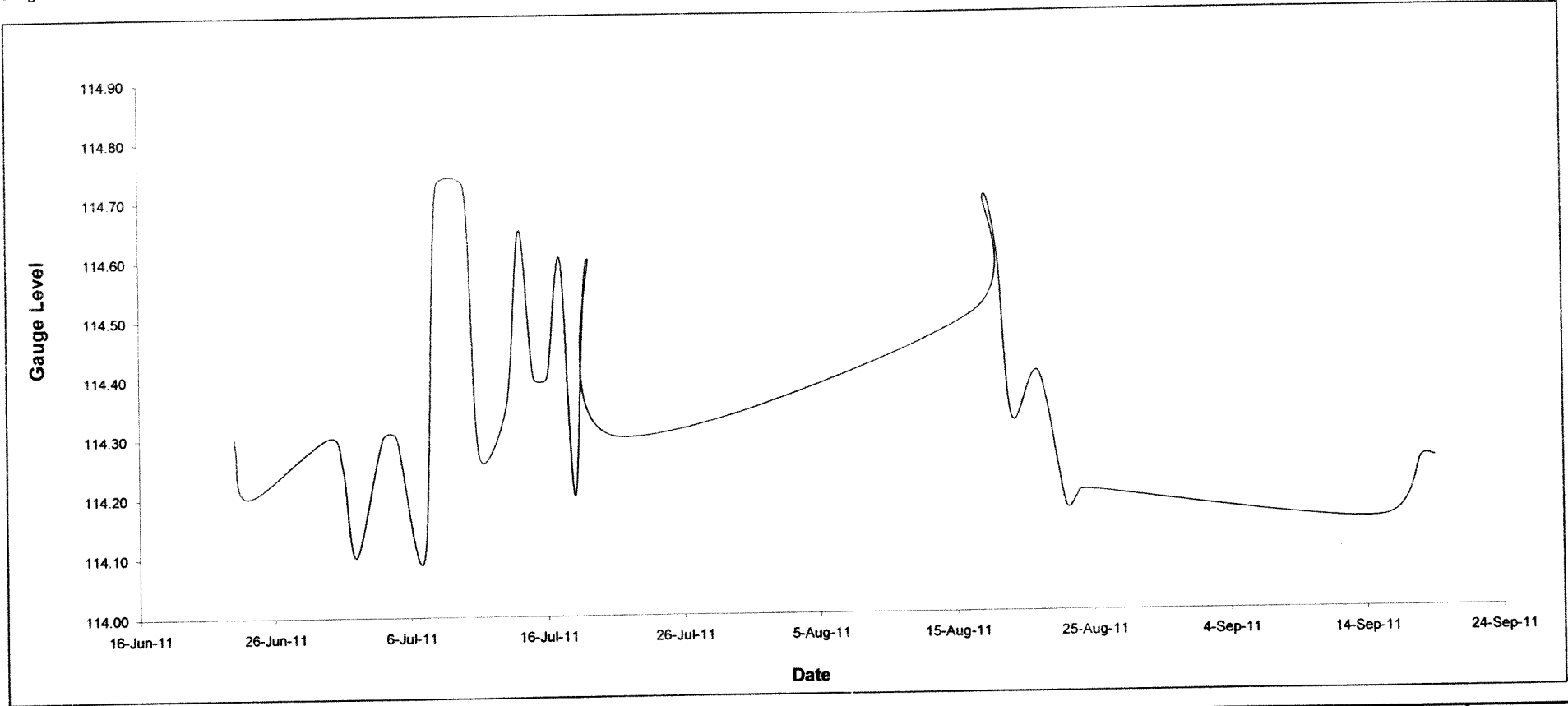
Gauge Levels of important rivers during monsoon season of 2011

North Bengal River

River-MAHANANDA
Gauge Staion- Hill Curt Road

Extreme Danger Level -116.59 metre
Danger level -115.97 metre
Reading at 6.00 AM

G-11



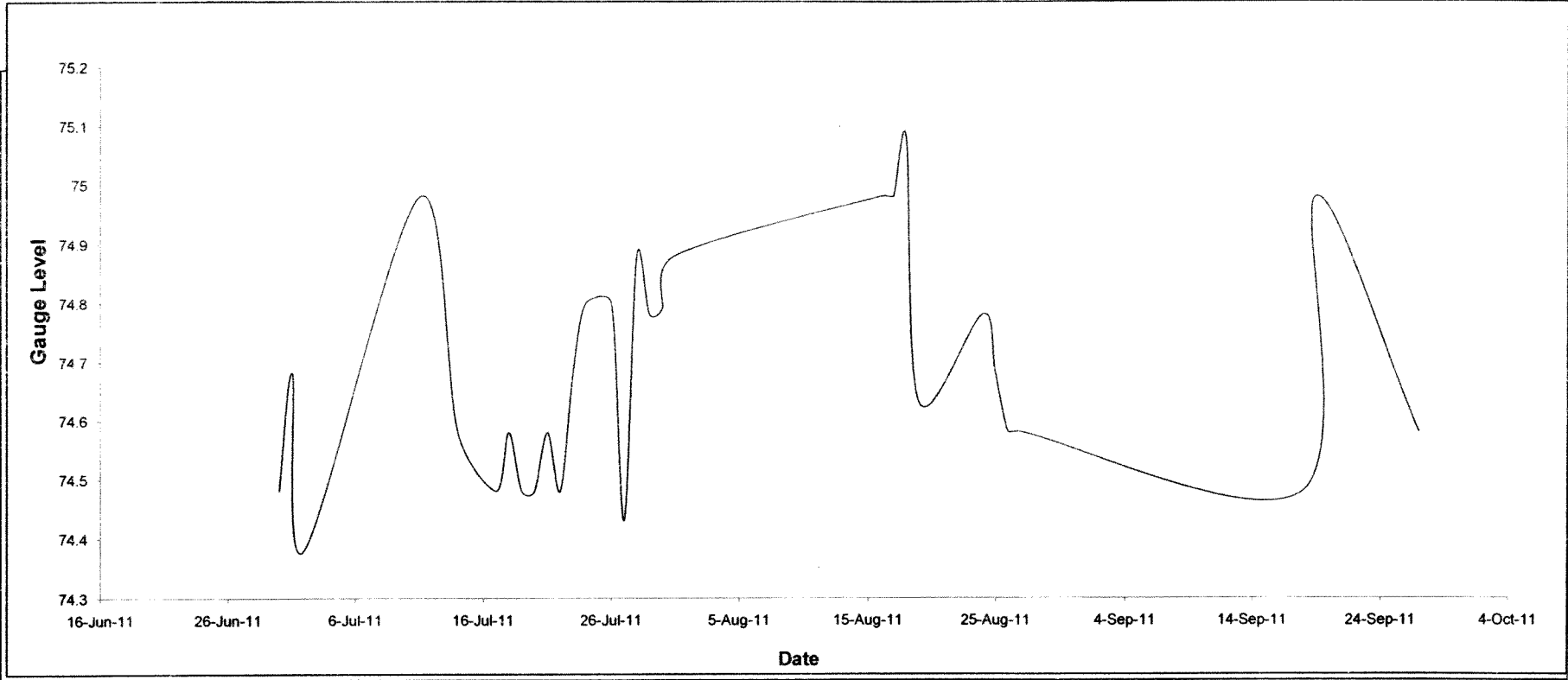
23-Jun	24-Jun	30-Jun	1-Jul	2-Jul	4-Jul	5-Jul	7-Jul	8-Jul	10-Jul	11-Jul	13-Jul	14-Jul	15-Jul	16-Jul
114.30	114.20	114.30	114.25	114.10	114.30	114.30	114.10	114.73	114.73	114.27	114.35	114.65	114.40	114.40
17-Jul	18-Jul	19-Jul	21-Jul	16-Aug	17-Aug	18-Aug	19-Aug	21-Aug	23-Aug	24-Aug	25-Aug	15-Sep	18-Sep	19-Sep
114.60	114.20	114.60	114.30	114.50	114.70	114.60	114.33	114.40	114.18	114.20	114.20	114.15	114.25	114.25

Gauge Levels of important rivers during monsoon season of 2011

North Bengal River
River-MAHANANDA
Gauge Staion- Sonapur

Extreme Danger Level -76.38metre
Danger level -75.77 metre
Reading at 6.00 AM

G-12

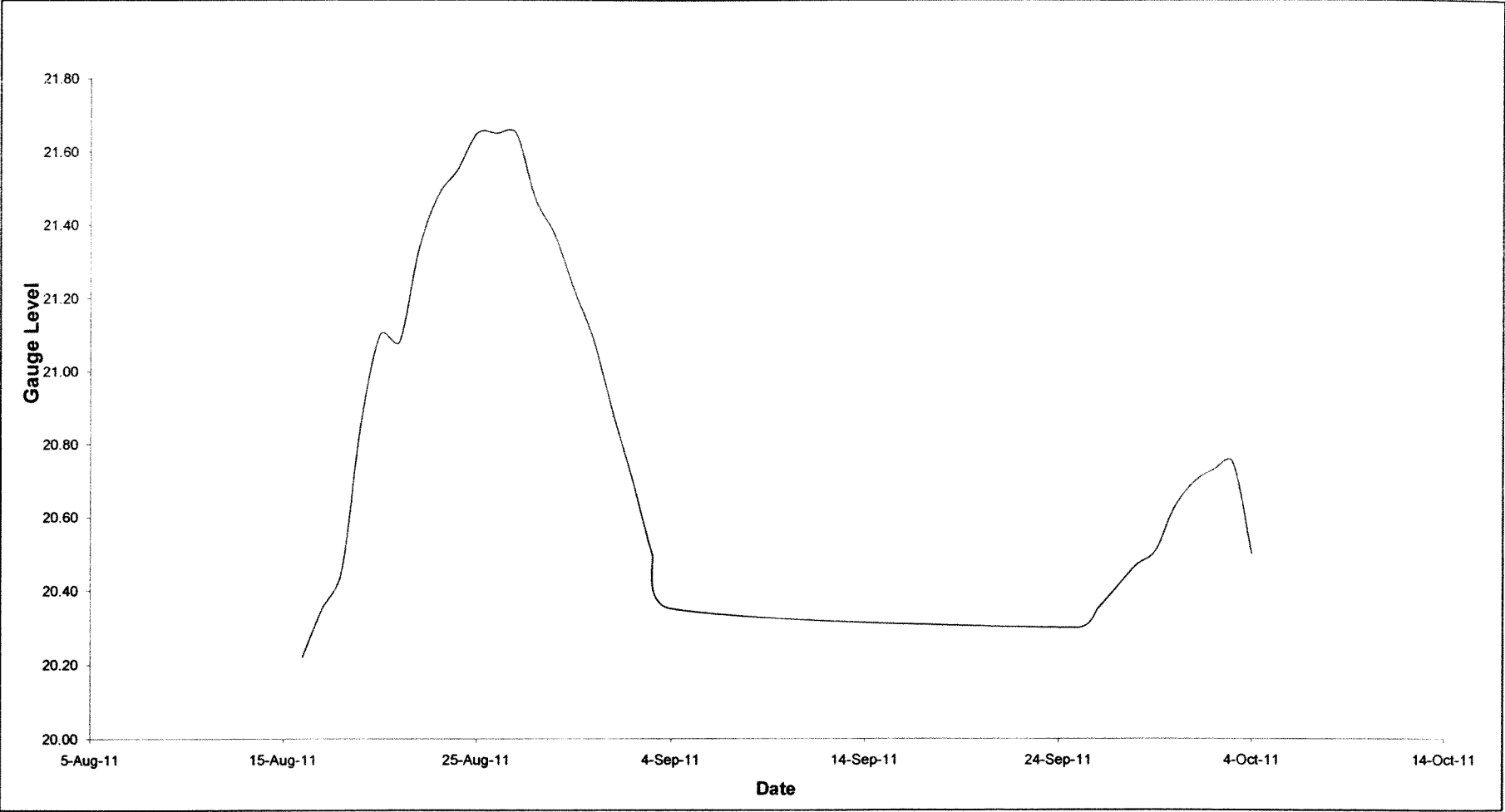


30-Jun	1-Jul	2-Jul	11-Jul	14-Jul	17-Jul	18-Jul	19-Jul	20-Jul	21-Jul	22-Jul	23-Jul	24-Jul	26-Jul	27-Jul
74.48	74.68	74.38	74.98	74.58	74.48	74.58	74.48	74.48	74.58	74.48	74.68	74.80	74.80	74.43
28-Jul	29-Jul	30-Jul	31-Jul	16-Aug	17-Aug	18-Aug	19-Aug	24-Aug	25-Aug	26-Aug	27-Aug	18-Sep	19-Sep	27-Sep
74.88	74.75	74.79	74.88	74.98	74.98	75.08	74.63	74.78	74.68	74.58	74.58	74.48	74.98	74.58

Gauge Levels of important rivers during monsoon season of 2011

North Bengal River
River-MAHANANDA
Gauge Staion- Englishbazar

Extreme Danger Level -23.5metre
Danger level -22.75 metre
Reading at 6.00 AM



16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	22-Aug	23-Aug	24-Aug	25-Aug	26-Aug	27-Aug	28-Aug	29-Aug	30-Aug
20.22	20.35	20.45	20.85	21.10	21.08	21.33	21.48	21.55	21.65	21.65	21.65	21.47	21.37	21.22
31-Aug	01-Sep	02-Sep	03-Sep	04-Sep	25-Sep	26-Sep	27-Sep	28-Sep	29-Sep	30-Sep	01-Oct	02-Oct	03-Oct	04-Oct
21.08	20.87	20.70	20.50	20.35	20.30	20.35	20.41	20.47	20.51	20.63	20.70	20.73	20.75	20.50

Gauge Levels of important rivers during monsoon season of 2011

North Bengal River

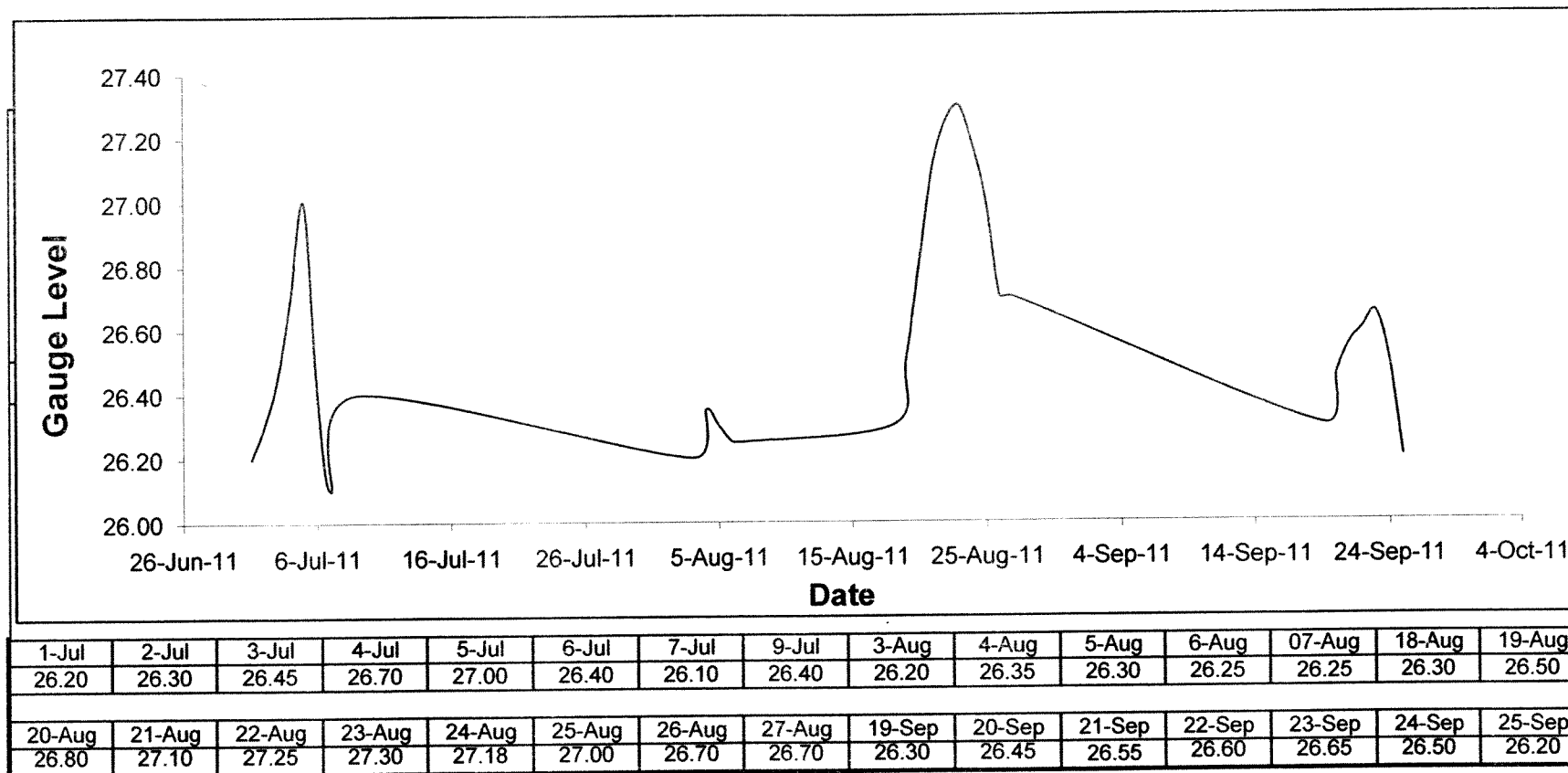
River-MAHANANDA

Gauge Staion- Sui/Pajol

Extreme Danger Level -28.0metre

Danger level -27.43 metre

Reading at 6.00 A



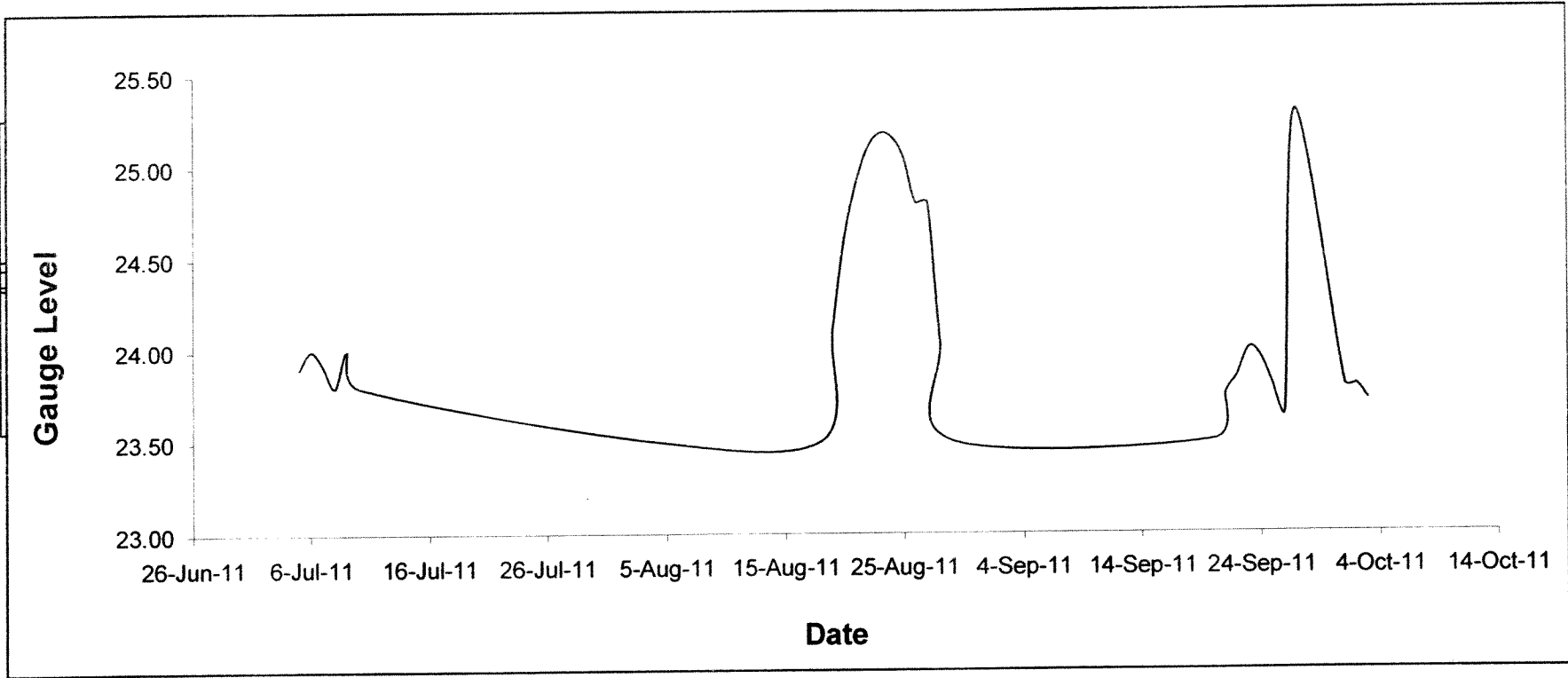
Gauge Levels of important rivers during monsoon season of 2011

North Bengal River

River-MAHANANDA
Gauge Staion- Sui/Katchua

Extreme Danger Level -26.09metre
Danger level -25.49 metre
Reading at 6.00 AM

Sc-15



5-Jul	6-Jul	7-Jul	8-Jul	9-Jul	10-Jul	4-Aug	18-Aug	19-Aug	20-Aug	21-Aug	22-Aug	23-Aug	24-Aug	25-Aug
23.90	24.00	23.92	23.80	24.00	23.80	23.50	23.50	24.10	24.60	24.90	25.10	25.18	25.16	25.05
26-Aug	27-Aug	28-Aug	29-Aug	20-Sep	21-Sep	22-Sep	23-Sep	24-Sep	25-Sep	26-Sep	27-Sep	01-Oct	02-Oct	03-Oct
24.80	24.80	24.05	23.50	23.50	23.75	23.85	24.00	23.95	23.80	23.65	25.30	23.80	23.80	23.72

Gauge Levels of important rivers during monsoon season of 2011

North Bengal River

River-MAHANANDA

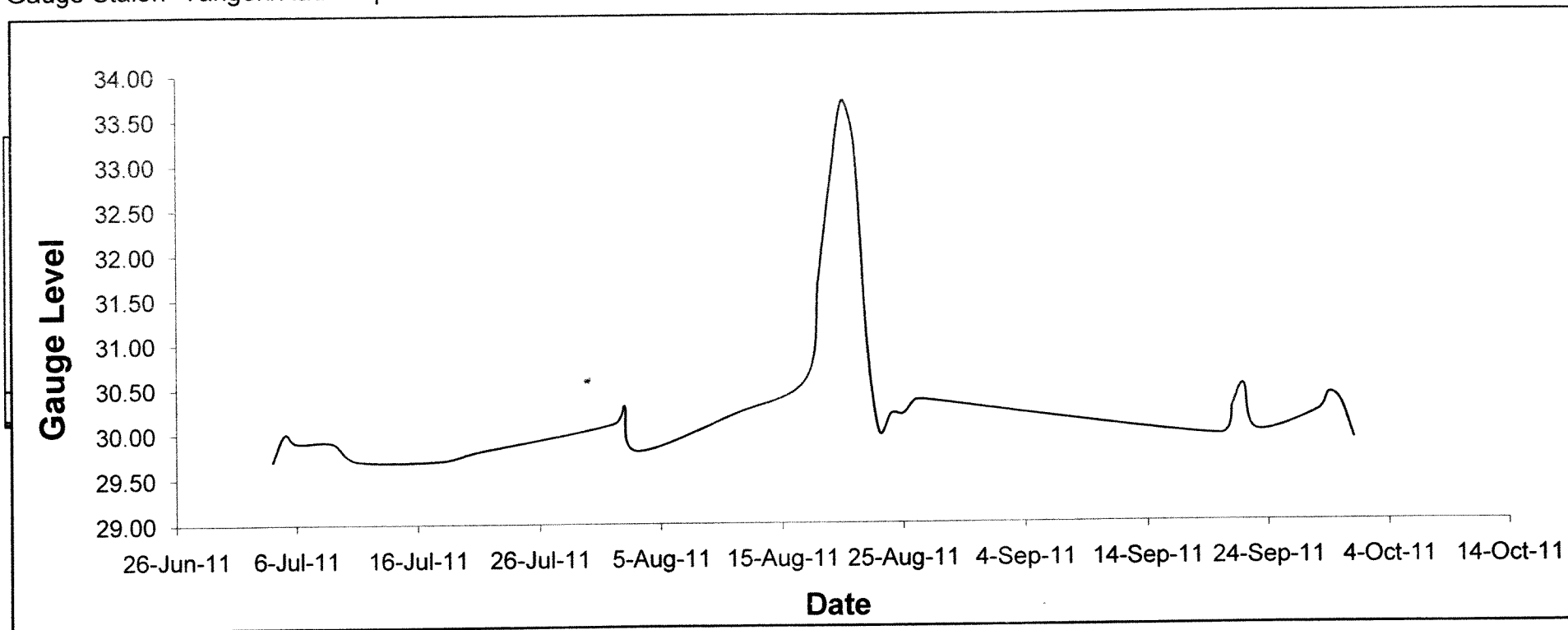
Gauge Staion- Tangon/Radhikapur

Extreme Danger Level -34.05 metre

Danger level -33.45 metre

Reading at 6.00 A

G-16



4-Jul	5-Jul	6-Jul	9-Jul	11-Jul	18-Jul	21-Jul	1-Aug	2-Aug	3-Aug	11-Aug	17-Aug	18-Aug	19-Aug	20-Aug
29.70	30.00	29.90	29.90	29.70	29.70	29.80	30.10	30.30	29.80	30.20	30.60	31.70	32.80	33.70
21-Aug	22-Aug	23-Aug	24-Aug	25-Aug	26-Aug	27-Aug	20-Sep	21-Sep	22-Sep	23-Sep	28-Sep	29-Sep	30-Sep	01-Oct
33.20	31.05	30.00	30.20	30.20	30.35	30.35	29.95	30.25	30.50	30.00	30.20	30.40	30.30	29.90

Gauge Levels of important rivers during monsoon season of 2011

North Bengal River

River-MAHANANDA

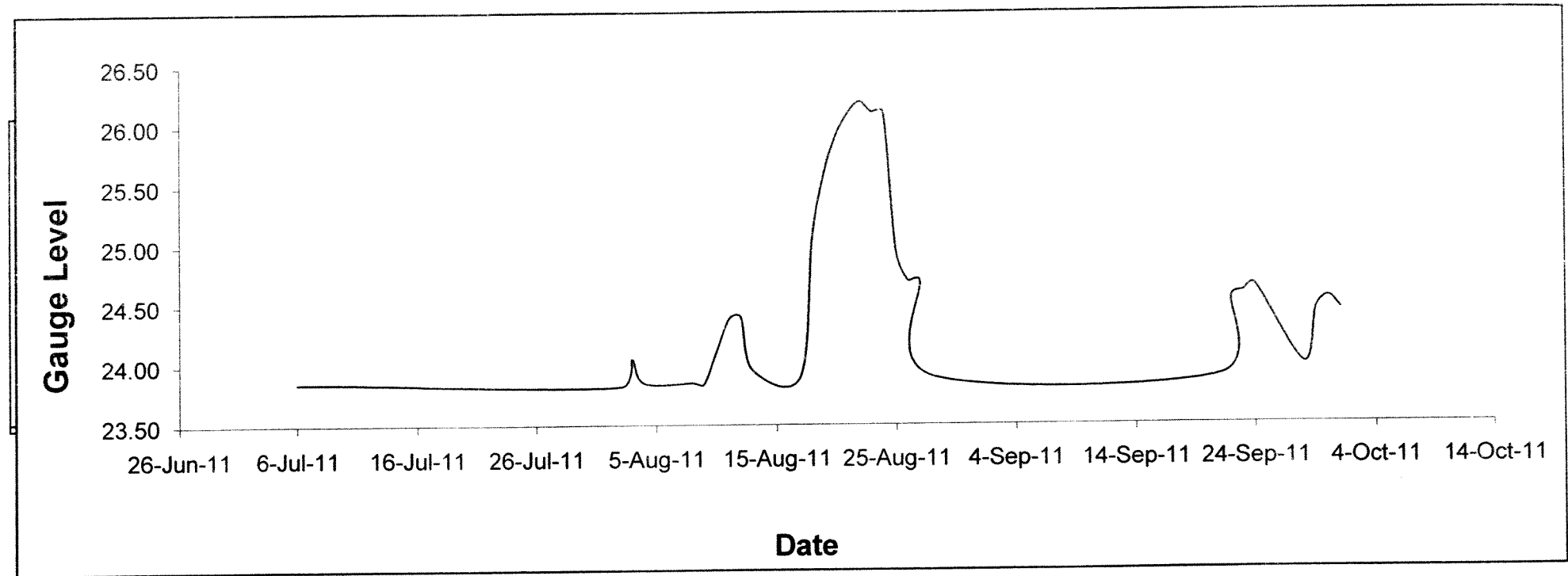
Gauge Station- Tangon/ Banshihari

Extreme Danger Level -26.21 metre

Danger level -25.60 metre

Reading at 6.00 AM

G-17



6-Jul	9-Jul	2-Aug	3-Aug	4-Aug	8-Aug	9-Aug	11-Aug	12-Aug	13-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug
23.85	23.85	23.82	24.05	23.85	23.85	23.85	24.38	24.40	23.95	23.90	25.05	25.59	25.91	26.10
22-Aug	23-Aug	24-Aug	25-Aug	26-Aug	27-Aug	28-Aug	21-Sep	22-Sep	23-Sep	24-Sep	28-Sep	29-Sep	30-Sep	01-Oct
26.20	26.11	26.11	24.95	24.70	24.70	23.90	23.90	24.55	24.60	24.65	24.00	24.45	24.55	24.45

Gauge Levels of important rivers during monsoon season of 2011

North Bengal River

River-MAHANANDA

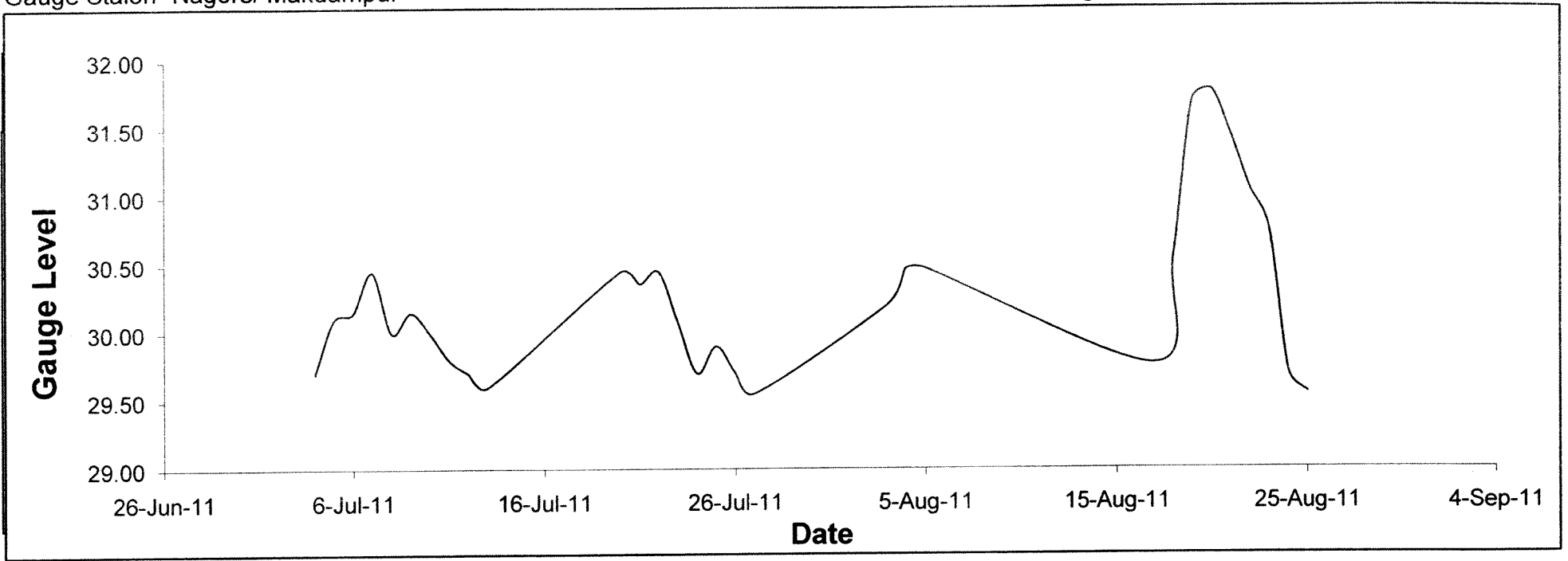
Gauge Staion- Nagore/ Makdampur

Extreme Danger Level -31.86 metre

Danger level -31.54 metre

Reading at 6.00 AM

8-18



4-Jul	5-Jul	6-Jul	7-Jul	8-Jul	9-Jul	10-Jul	11-Jul	12-Jul	13-Jul	20-Jul	21-Jul	22-Jul	23-Jul	24-Jul
29.70	30.10	30.15	30.45	30.00	30.15	30.00	29.80	29.70	29.60	30.45	30.36	30.45	30.08	29.70
25-Jul	26-Jul	27-Jul	03-Aug	04-Aug	05-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	22-Aug	23-Aug	24-Aug	25-Aug
29.90	29.70	29.55	30.20	30.47	30.47	29.77	30.55	31.70	31.78	31.45	31.05	30.75	29.70	29.55

Gauge Levels of important rivers during monsoon season of 2011

North Bengal River

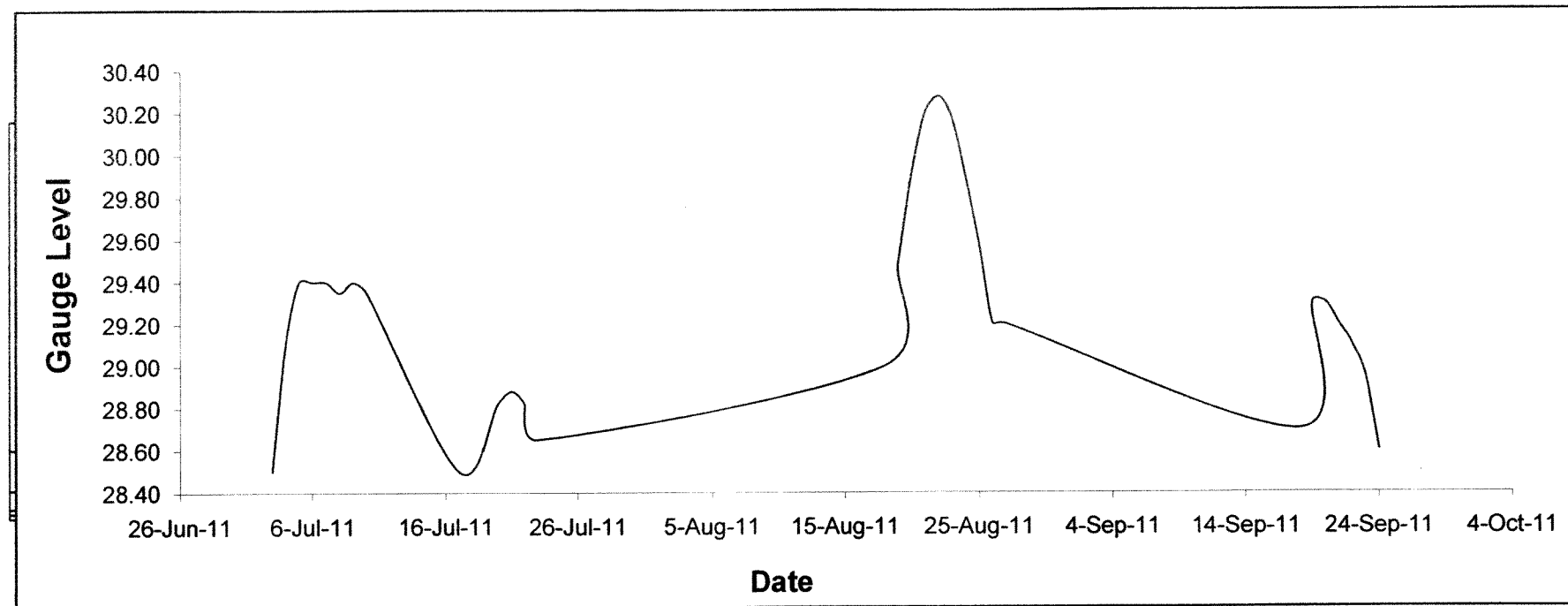
River-MAHANANDA

Gauge Station- Kullick/ Railway Bridge

Extreme Danger Level -32.69 metre

Danger level -31.20 metre

Reading at 6.00 AM



3-Jul	4-Jul	5-Jul	6-Jul	7-Jul	8-Jul	9-Jul	10-Jul	17-Jul	20-Jul	21-Jul	22-Jul	23-Jul	18-Aug	19-Aug
28.50	29.10	29.40	29.40	29.40	29.35	29.40	29.35	28.50	28.82	28.88	28.82	28.65	29.00	29.48
20-Aug	21-Aug	22-Aug	23-Aug	24-Aug	25-Aug	26-Aug	27-Aug	18-Sep	19-Sep	20-Sep	21-Sep	22-Sep	23-Sep	24-Sep
29.90	30.20	30.28	30.18	29.90	29.58	29.20	29.20	28.70	29.30	29.30	29.20	29.10	28.95	28.60

Gauge Levels of important rivers during monsoon season of 2011

North Bengal River

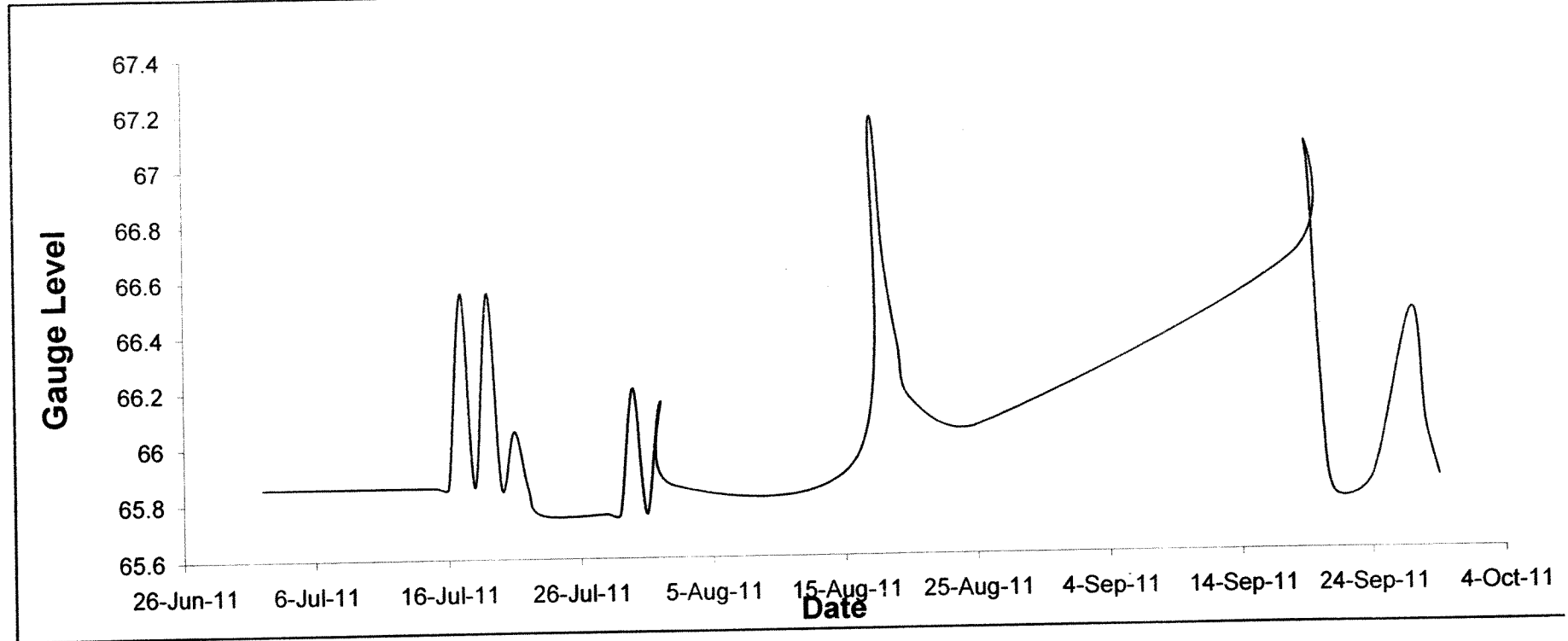
River-MAHANANDA

Gauge Station- Dauk/ Chopra

Extreme Danger Level -70.07 metre

Danger level -69.46 metre

Reading at 6.00 A



2-Jul	15-Jul	16-Jul	17-Jul	18-Jul	19-Jul	20-Jul	21-Jul	22-Jul	23-Jul	28-Jul	29-Jul	30-Jul	31-Jul	01-Aug
65.86	65.86	65.86	66.56	65.86	66.56	65.86	66.06	65.86	65.76	65.76	65.76	66.21	65.76	66.16
02-Aug	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	25-Aug	18-Sep	19-Sep	20-Sep	21-Sep	24-Sep	27-Sep	28-Sep	29-Sep
65.86	65.96	67.16	66.66	66.36	66.15	66.06	66.66	67.06	66.26	65.81	65.86	66.46	66.06	65.86

Gauge Levels of important rivers during monsoon season of 2011

North Bengal River

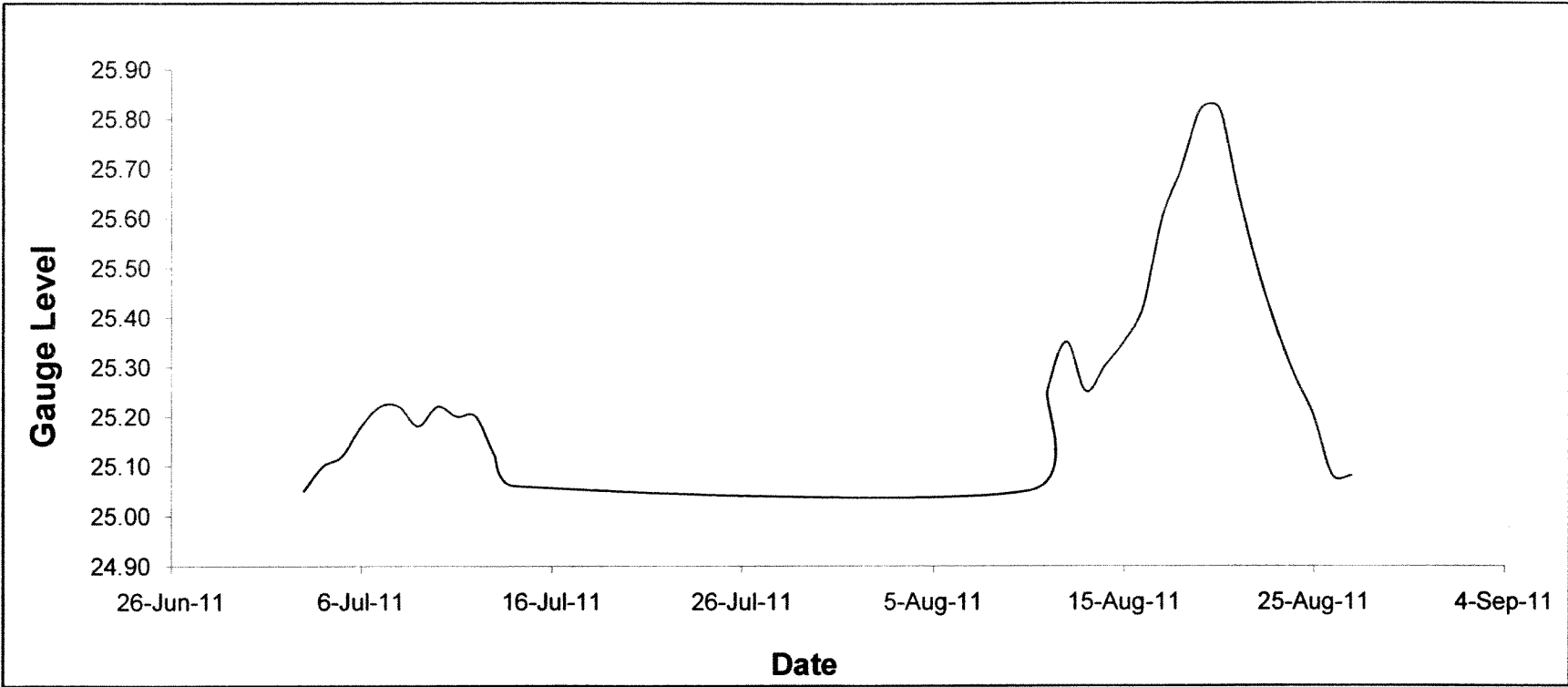
River-MAHANANDA

Gauge Staion- Gamari / Itahar

Extreme Danger Level -27.41 metre

Danger level -26.82 metre

Reading at 6.00 AM



3-Jul	4-Jul	5-Jul	6-Jul	7-Jul	8-Jul	9-Jul	10-Jul	11-Jul	12-Jul	13-Jul	14-Jul	10-Aug	11-Aug	12-Aug
25.05	25.10	25.12	25.18	25.22	25.22	25.18	25.22	25.20	25.20	25.12	25.06	25.05	25.25	25.35
13-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	22-Aug	23-Aug	24-Aug	25-Aug	26-Aug	27-Aug
25.25	25.30	25.35	25.42	25.60	25.70	25.82	25.82	25.65	25.50	25.38	25.28	25.20	25.08	25.08

Gauge Levels of important rivers during monsoon season of 2011

North Bengal River

River-MAHANANDA

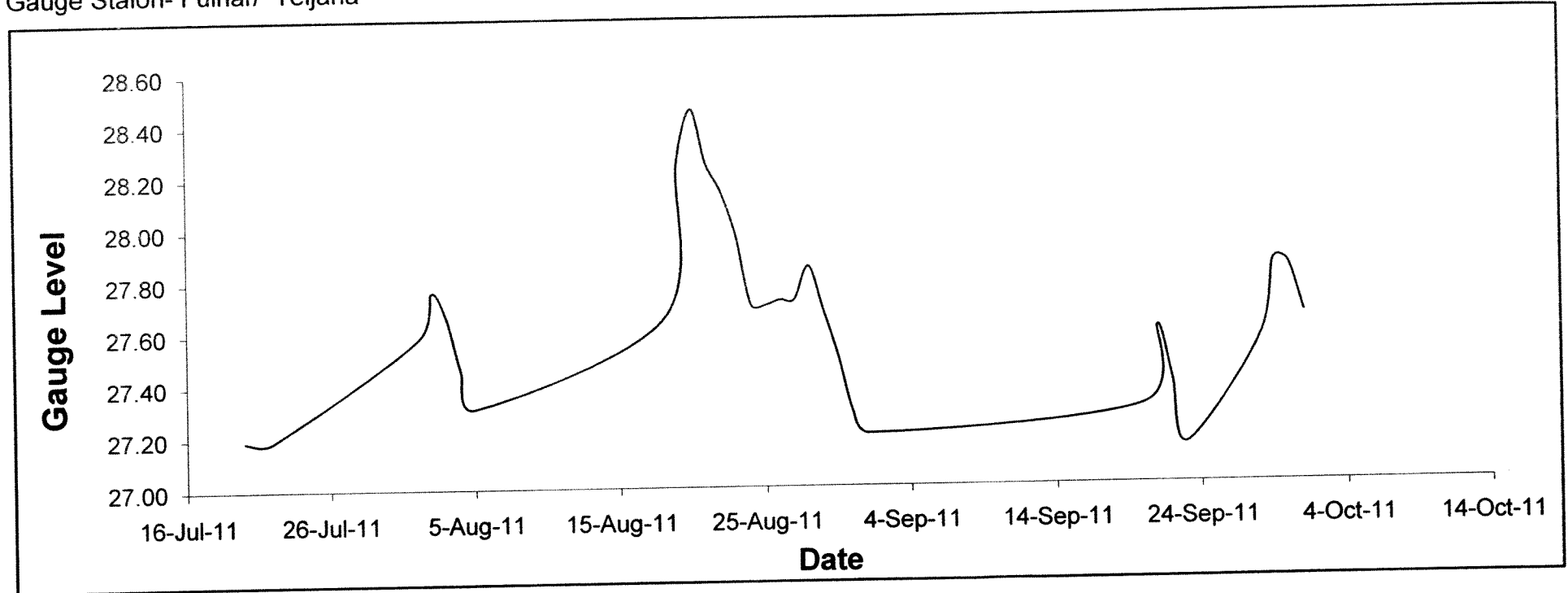
Gauge Staion- Fulhar/ Teljana

Extreme Danger Level -28.35 metre

Danger level -27.43 metre

Reading at 6.00 AM

G-22



20-Jul	22-Jul	1-Aug	2-Aug	3-Aug	4-Aug	5-Aug	18-Aug	19-Aug	20-Aug	21-Aug	22-Aug	23-Aug	24-Aug	25-Aug
27.19	27.19	27.58	27.76	27.67	27.46	27.31	27.65	28.25	28.46	28.25	28.14	27.97	27.70	27.70
26-Aug	27-Aug	28-Aug	29-Aug	30-Aug	31-Aug	01-Sep	20-Sep	21-Sep	22-Sep	23-Sep	28-Sep	29-Sep	30-Sep	01-Oct
27.72	27.72	27.85	27.68	27.50	27.28	27.20	27.30	27.60	27.40	27.15	27.55	27.85	27.84	27.65

Gauge Levels of important rivers during monsoon season of 2011

North Bengal River

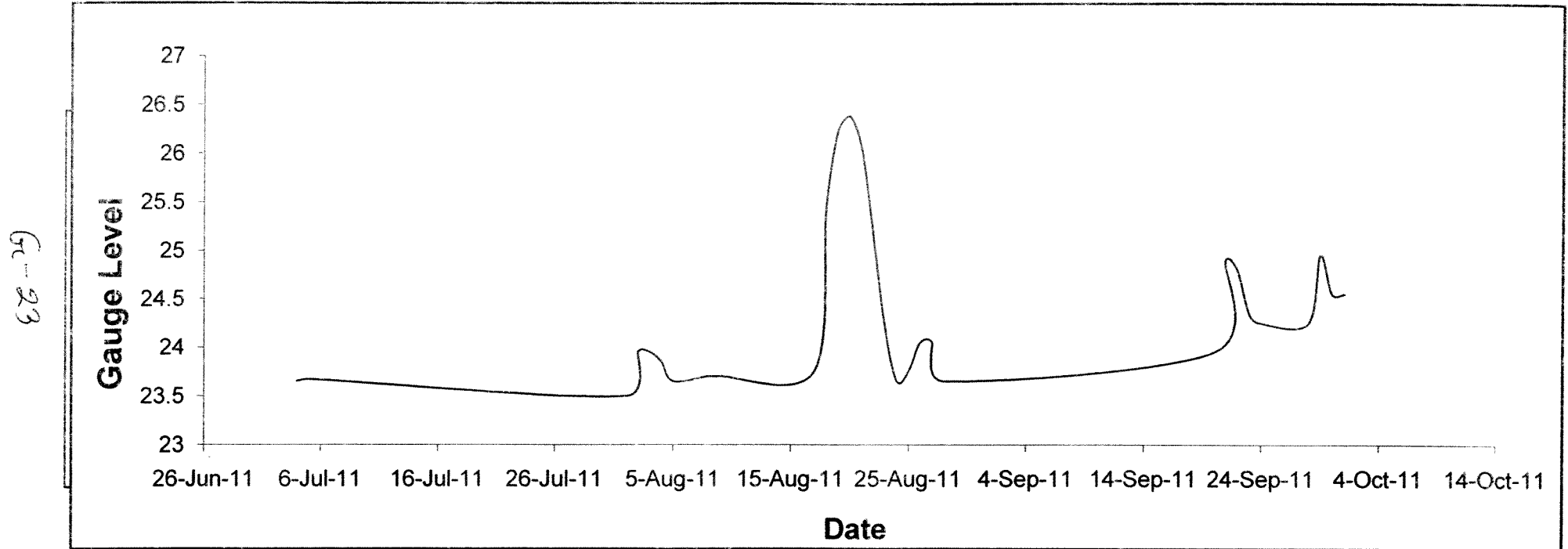
River-PUNARBHAVA

Gauge Staion- Gangarampur

Extreme Danger Level -26.42 metre

Danger level -25.82 metre

Reading at 6.00 AM



4-Jul	5-Jul	1-Aug	2-Aug	3-Aug	4-Aug	5-Aug	8-Aug	9-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	22-Aug
23.65	23.67	23.50	23.95	23.95	23.85	23.65	23.70	23.70	23.75	25.43	26.23	26.38	26.05	25.15
23-Aug	24-Aug	25-Aug	26-Aug	27-Aug	28-Aug	20-Sep	21-Sep	22-Sep	23-Sep	24-Sep	28-Sep	29-Sep	30-Sep	01-Oct
24.20	23.65	23.75	24.05	24.05	23.65	23.95	24.90	24.80	24.35	24.25	24.25	24.95	24.55	24.55

Gauge Levels of important rivers during monsoon season of 2011

North Bengal River

River-PUNARBHAVA

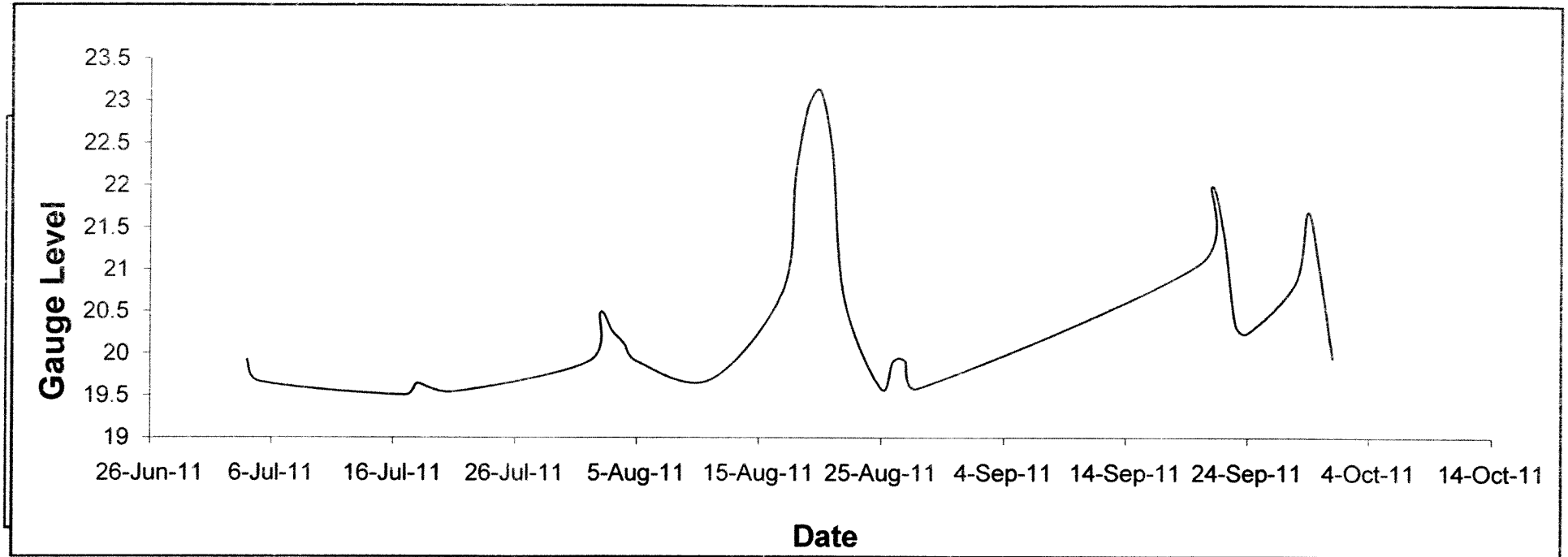
Gauge Station- Balurghat

Extreme Danger Level -23.75 metre

Danger level -23.15 metre

Reading at 6.00 AM

G-24



4-Jul	5-Jul	17-Jul	18-Jul	21-Jul	1-Aug	2-Aug	3-Aug	4-Aug	5-Aug	11-Aug	17-Aug	18-Aug	19-Aug	20-Aug
19.92	19.66	19.50	19.64	19.54	19.90	20.48	20.26	20.10	19.90	19.68	20.74	22.10	22.92	23.13
21-Aug	22-Aug	25-Aug	26-Aug	27-Aug	28-Aug	20-Sep	21-Sep	22-Sep	23-Sep	24-Sep	28-Sep	29-Sep	30-Sep	01-Oct
22.42	20.66	19.58	19.90	19.90	19.58	21.06	21.98	21.46	20.34	20.24	20.84	21.68	20.96	19.94

Gauge Levels of important rivers during monsoon season of 2011

North Bengal River

River-GANGA

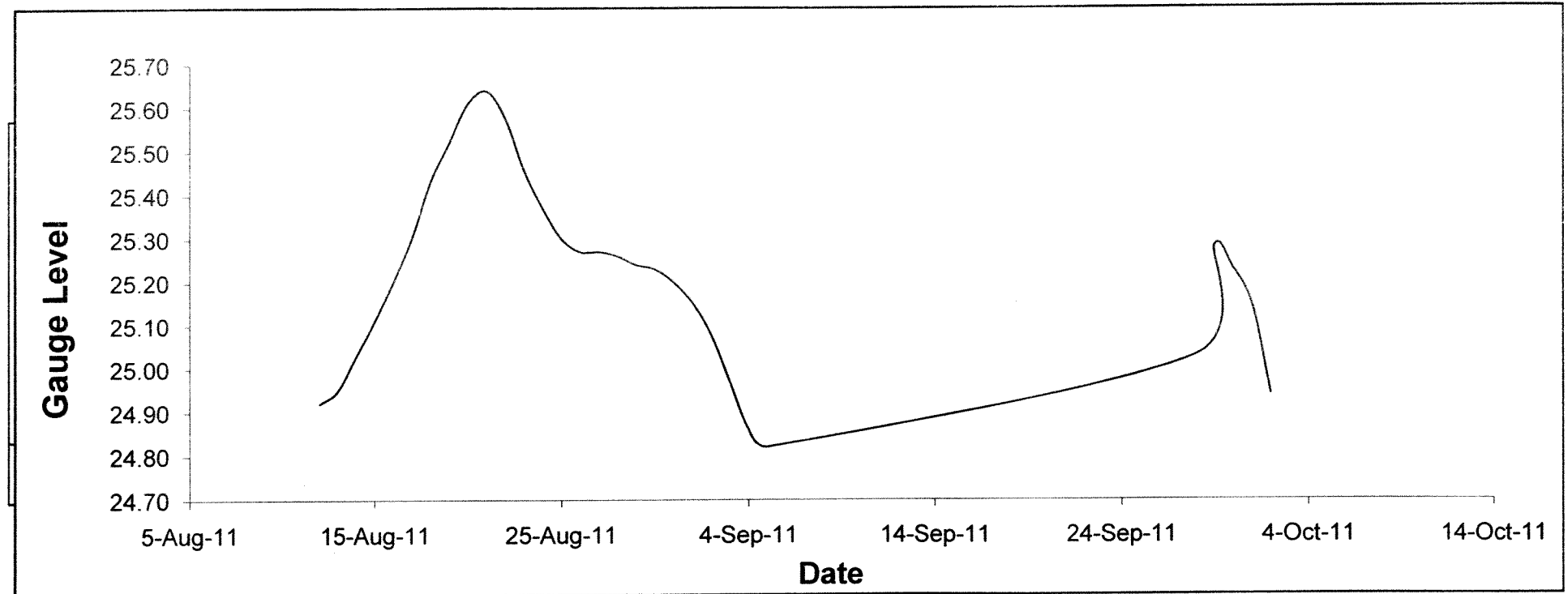
Gauge Staion- Manikchakghat

Extreme Danger Level -25.30 metre

Danger level -24.69 metre

Reading at 6.00 AM

G-25



12-Aug	13-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	22-Aug	23-Aug	24-Aug	25-Aug	26-Aug
24.92	24.95	25.03	25.11	25.20	25.30	25.43	25.52	25.61	25.64	25.58	25.46	25.37	25.30	25.27
27-Aug	28-Aug	29-Aug	30-Aug	31-Aug	01-Sep	02-Sep	03-Sep	04-Sep	05-Sep	28-Sep	29-Sep	30-Sep	01-Oct	02-Oct
25.27	25.26	25.24	25.23	25.20	25.15	25.08	24.97	24.86	24.82	25.03	25.28	25.23	25.14	24.94

Gauge Levels of important rivers during monsoon season of 2011

North Bengal River

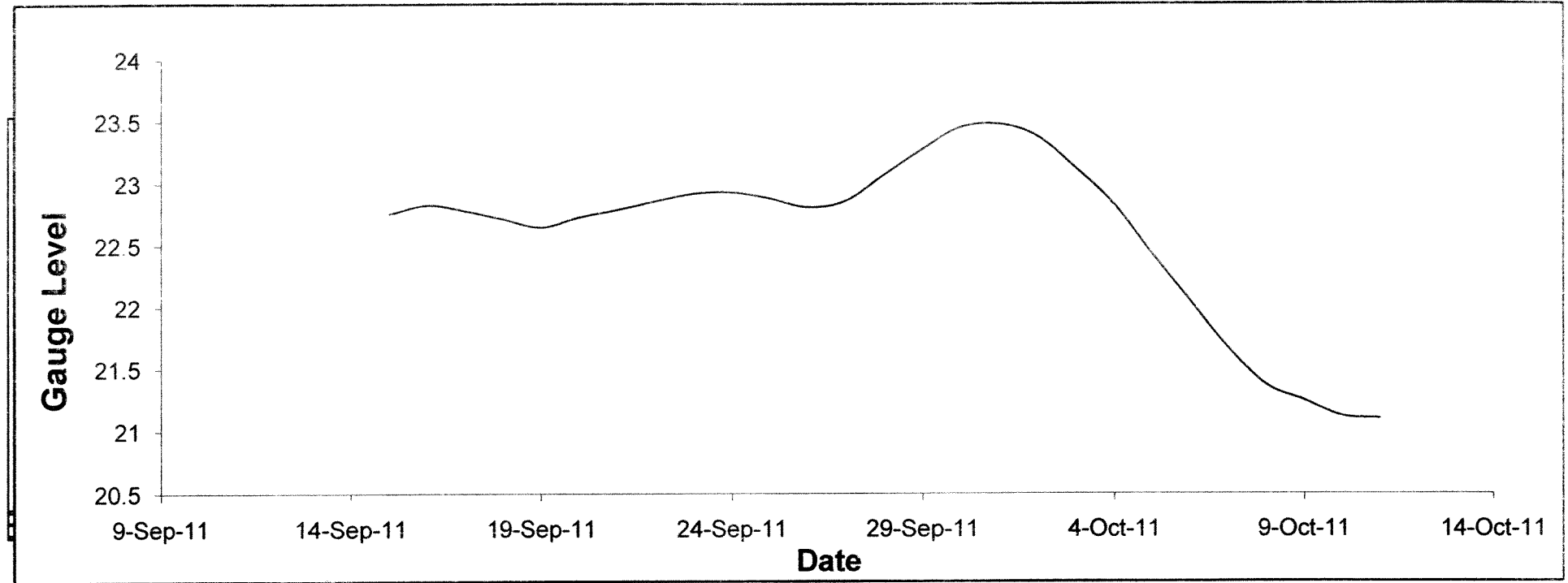
River-GANGA

Gauge Staion- Farakka

Extreme Danger Level -22.85 metre

Danger level -22.25 metre

Reading at 6.00 AM



15-Sep	16-Sep	17-Sep	18-Sep	19-Sep	20-Sep	21-Sep	22-Sep	23-Sep	24-Sep	25-Sep	26-Sep	27-Sep	28-Sep	29-Sep
22.76	22.83	22.78	22.72	22.65	22.73	22.79	22.86	22.92	22.93	22.88	22.81	22.86	23.07	23.28
30-Sep	01-Oct	02-Oct	03-Oct	04-Oct	05-Oct	06-Oct	07-Oct	08-Oct	09-Oct	10-Oct	11-Oct	00-Jan	00-Jan	00-Jan
23.46	23.48	23.38	23.12	22.83	22.43	22.05	21.67	21.37	21.25	21.12	21.10	0.00	0.00	0.00

Gauge Levels of important rivers during monsoon season of 2011

North Bengal River

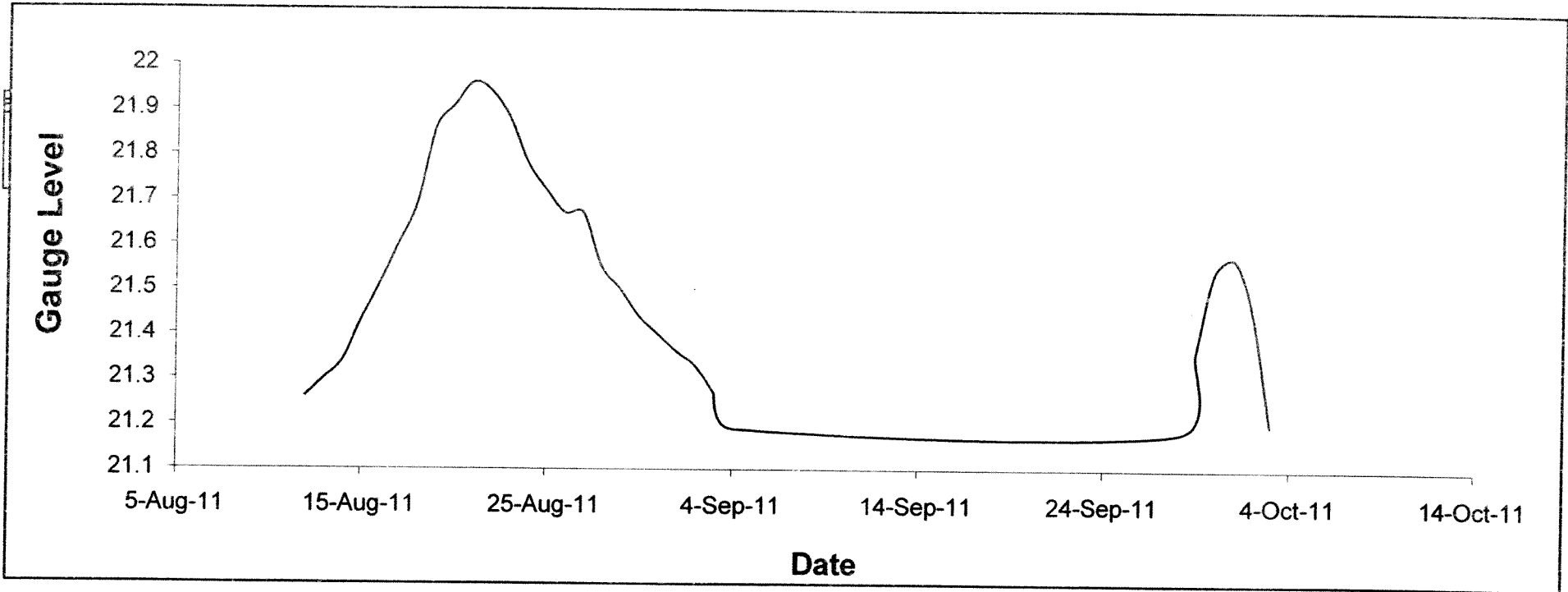
River-GANGA

Gauge Staion- Nimtita

Extreme Danger Level -22.51 metre

Danger level -21.90 metre

Reading at 6.00 AM



12-Aug	13-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	22-Aug	23-Aug	24-Aug	25-Aug	26-Aug
21.26	21.30	21.34	21.43	21.51	21.60	21.69	21.86	21.91	21.96	21.94	21.88	21.78	21.72	21.67
27-Aug	28-Aug	29-Aug	30-Aug	31-Aug	01-Sep	02-Sep	03-Sep	04-Sep	28-Sep	29-Sep	30-Sep	01-Oct	02-Oct	03-Oct
21.67	21.55	21.50	21.44	21.40	21.36	21.33	21.27	21.19	21.18	21.36	21.54	21.57	21.46	21.20

Gauge Levels of important rivers during monsoon season of 2011

North Bengal River

River-GANGA

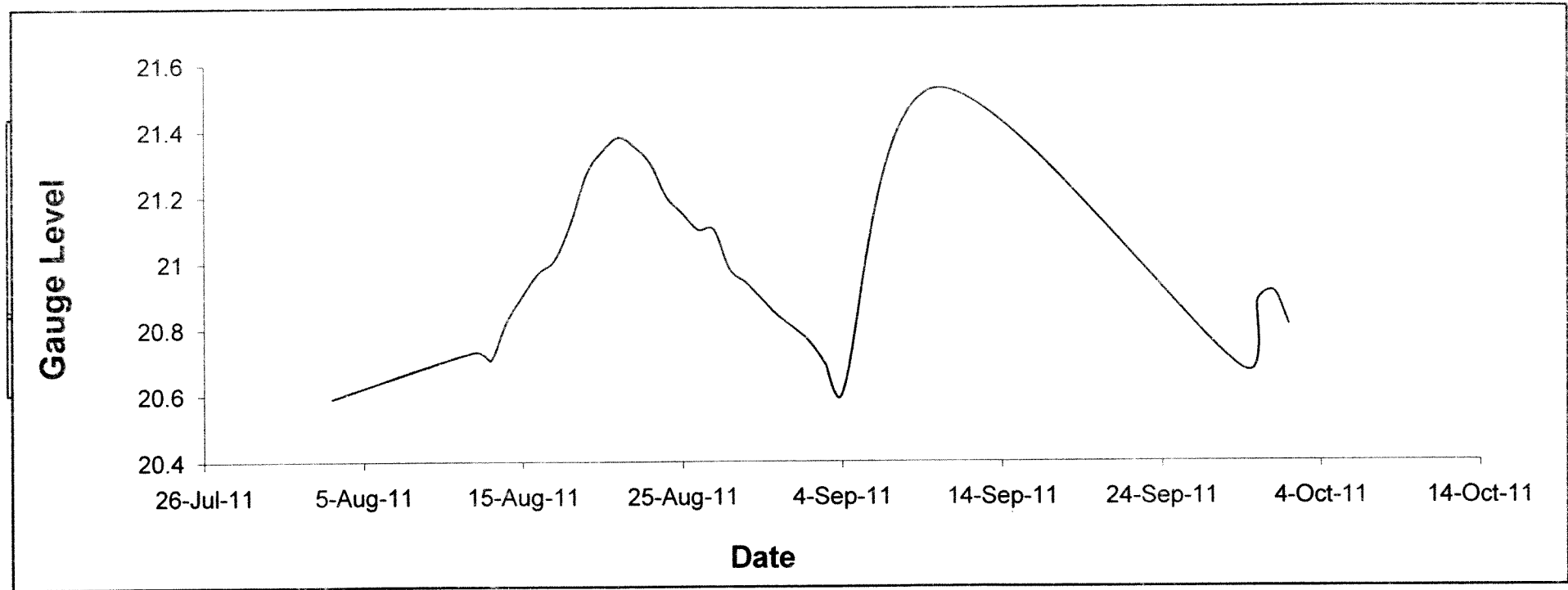
Gauge Station- Nurpur

Extreme Danger Level -21.64 metre

Danger level -21.03 metre

Reading at 6.00 AM

Gr-28



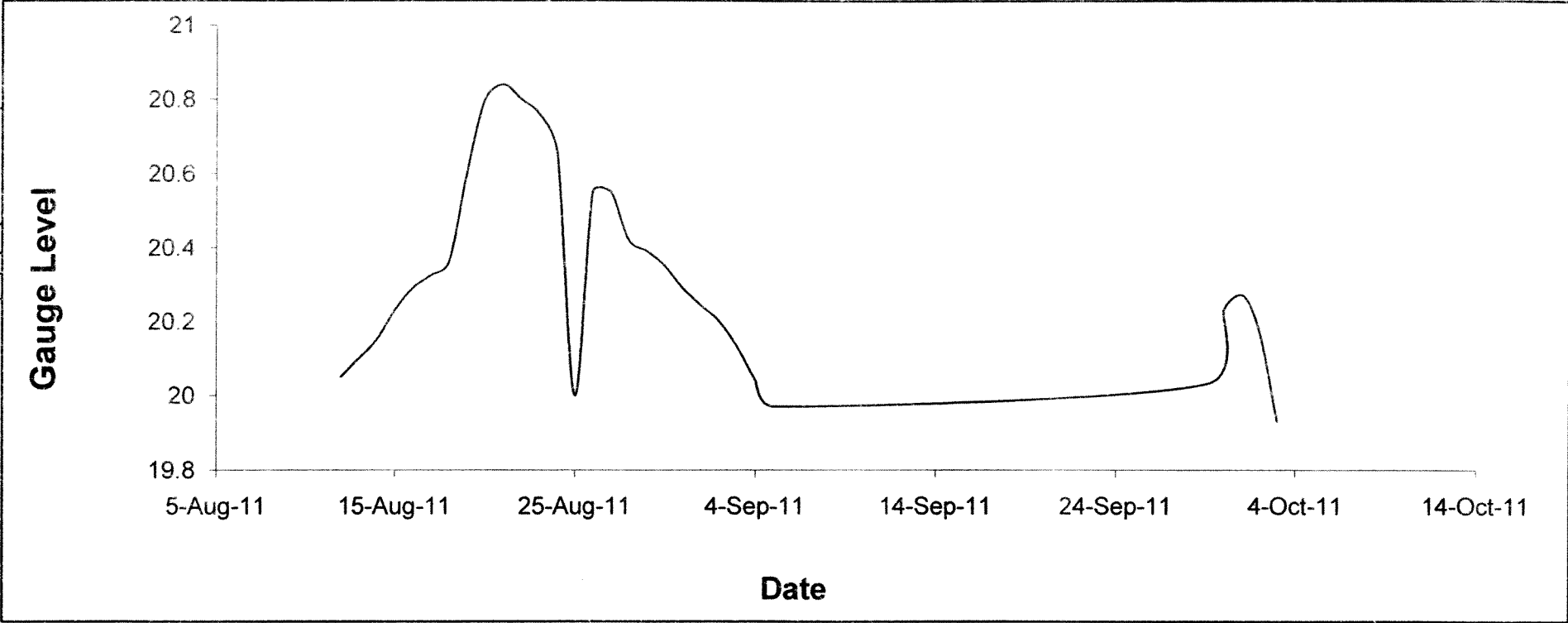
3-Aug	12-Aug	13-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	22-Aug	23-Aug	24-Aug	25-Aug
20.59	20.73	20.71	20.82	20.90	20.97	21.01	21.12	21.27	21.34	21.38	21.35	21.30	21.20	21.15
26-Aug	27-Aug	28-Aug	29-Aug	30-Aug	31-Aug	01-Sep	02-Sep	03-Sep	04-Sep	10-Sep	29-Sep	30-Sep	01-Oct	02-Oct
21.10	21.10	20.98	20.94	20.89	20.84	20.80	20.76	20.69	20.60	21.53	20.68	20.88	20.91	20.81

Gauge Levels of important rivers during monsoon season of 2011

North Bengal River

River-GANGA
Gauge Staion- Geria

Extreme Danger Level -21.55 metre
Danger level -20.94 metre
Reading at 6.00 AM



12-Aug	13-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	22-Aug	23-Aug	24-Aug	25-Aug	26-Aug
20.05	20.10	20.15	20.23	20.29	20.33	20.36	20.60	20.80	20.84	20.80	20.76	20.66	20.00	20.55
27-Aug	28-Aug	29-Aug	30-Aug	31-Aug	01-Sep	02-Sep	03-Sep	04-Sep	05-Sep	29-Sep	30-Sep	01-Oct	02-Oct	03-Oct
20.55	20.42	20.39	20.35	20.29	20.24	20.20	20.13	20.04	19.97	20.03	20.23	20.27	20.17	19.93

Gauge Levels of important rivers during monsoon season of 2011

North Bengal River

River-GANGA

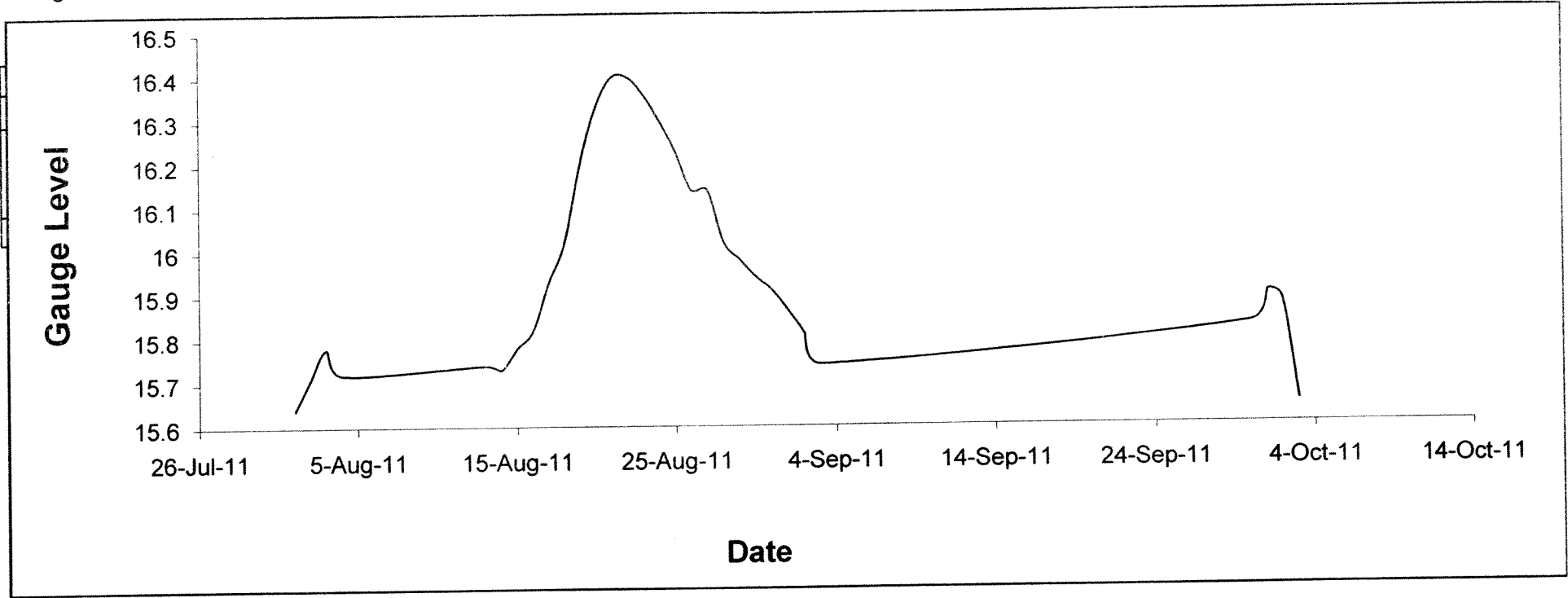
Gauge Staion- Akherigunj

Extreme Danger Level -19.05 metre

Danger level -18.44 metre

Reading at 6.00 AM

Gr-30



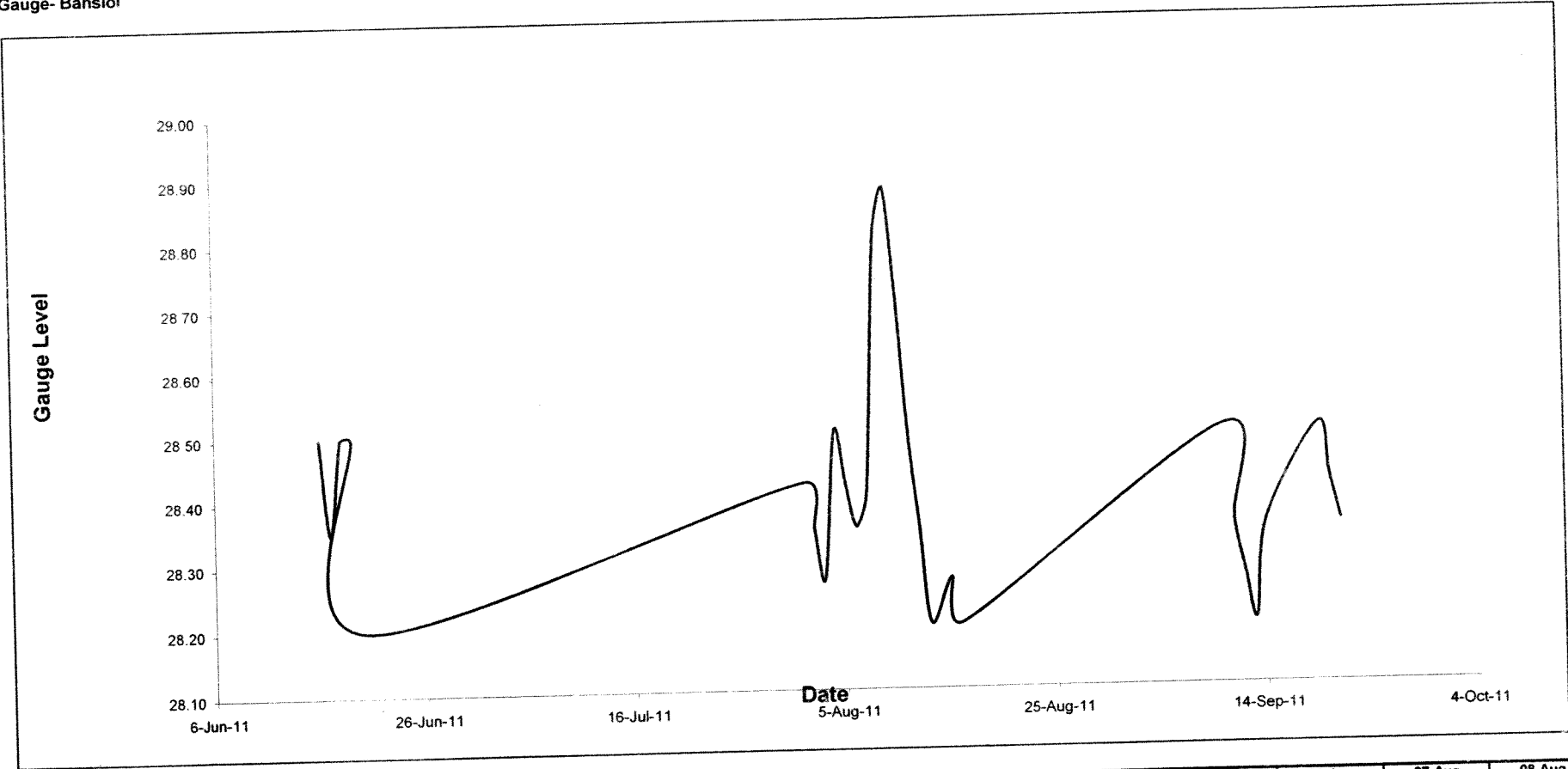
1-Aug	2-Aug	3-Aug	4-Aug	13-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	22-Aug	23-Aug
15.64	15.71	15.78	15.72	15.74	15.73	15.78	15.82	15.93	16.02	16.20	16.33	16.40	16.40	16.36
24-Aug	25-Aug	26-Aug	27-Aug	28-Aug	29-Aug	30-Aug	31-Aug	01-Sep	02-Sep	03-Sep	30-Sep	01-Oct	02-Oct	03-Oct
16.30	16.23	16.14	16.14	16.02	15.98	15.94	15.91	15.86	15.81	15.74	15.83	15.90	15.88	15.65

Gauge Levels of important rivers during season of 2011

South Bengal River

River-PAGLA-BANSLOI
Gauge- Bansloi

Extreme Danger Level -32.76 metre
Danger level -31.85 metre
At 6.00 AM



16-Jun	17-Jun	18-Jun	19-Jun	20-Jun	27-Jun	21-Jul	1-Aug	2-Aug	3-Aug	4-Aug	5-Aug	06-Aug	07-Aug	08-Aug
28.50	28.35	28.50	28.50	28.20	28.20	28.20	28.42	28.35	28.27	28.50	28.42	28.35	28.40	28.80
09-Aug	10-Aug	11-Aug	12-Aug	13-Aug	15-Aug	16-Aug	10-Sep	11-Sep	12-Sep	13-Sep	14-Sep	19-Sep	20-Sep	21-Sep
28.88	28.72	28.50	28.35	28.20	28.27	28.20	28.50	28.35	28.27	28.20	28.35	28.50	28.42	28.35

Gauge Levels of important rivers during season of 2011

South Bengal River

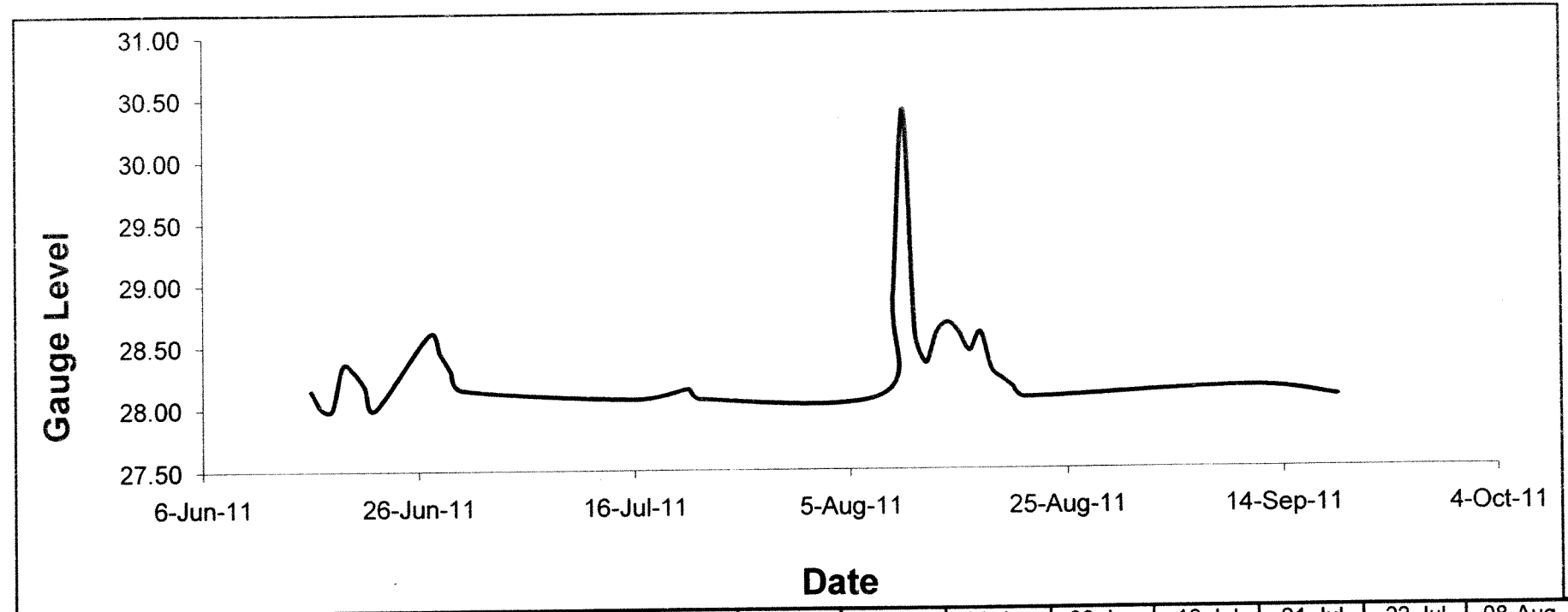
River-Brahmani/ADB

Gauge- ADB CROSSING

Extreme Danger Level -33.4 metre

Danger level -33.00 metre

At 6.00 AM



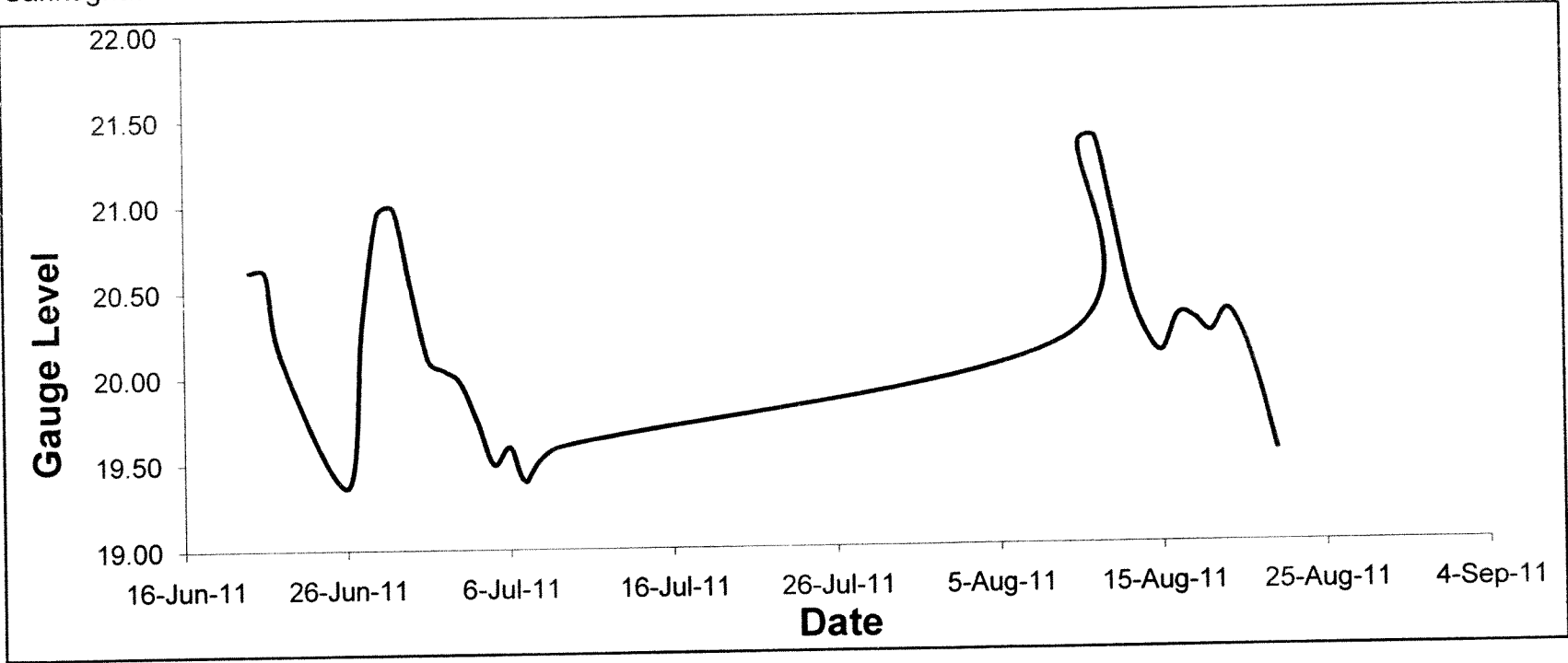
16-Jun	17-Jun	18-Jun	19-Jun	20-Jun	21-Jun	22-Jun	27-Jun	28-Jun	29-Jun	30-Jun	16-Jul	21-Jul	22-Jul	08-Aug
28.15	28.00	28.00	28.35	28.30	28.18	28.00	28.60	28.45	28.30	28.15	28.07	28.15	28.07	28.10
09-Aug	10-Aug	11-Aug	12-Aug	13-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	11-Sep	19-Sep
28.90	30.40	28.60	28.35	28.60	28.68	28.60	28.45	28.60	28.30	28.22	28.15	28.07	28.15	28.07

Gauge Levels of important rivers during season of 2011

South Bengal River

River-Dwarka-Sankoghat
Gauge- Sankoghat

Extreme Danger Level -21.3 metre
Danger level -20.4 metre
At 6.00 AM



20-Jun	21-Jun	22-Jun	26-Jun	27-Jun	28-Jun	29-Jun	30-Jun	1-Jul	2-Jul	3-Jul	4-Jul	05-Jul	06-Jul	07-Jul
20.62	20.61	20.10	19.36	20.30	20.95	20.98	20.54	20.10	20.04	19.97	19.75	19.49	19.59	19.39
09-Jul	09-Aug	10-Aug	11-Aug	12-Aug	13-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	22-Aug
19.59	20.19	21.33	21.36	20.94	20.48	20.22	20.11	20.32	20.30	20.22	20.35	20.20	19.91	19.53

Gauge Levels of important rivers during season of 2011

South Bengal River

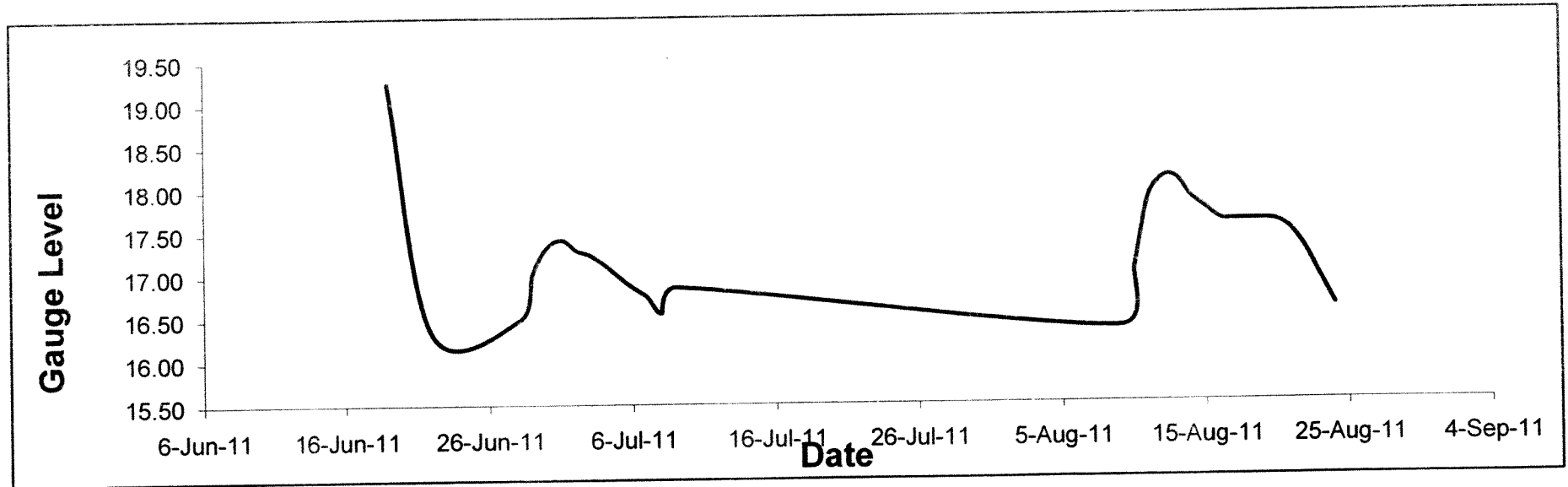
River-Dwarka-Ranagram

Gauge- Ranagram

Extreme Danger Level -17.86 metre

Danger level -17.36 metre

At 6.00 AM



19-Jun	22-Jun	28-Jun	29-Jun	30-Jun	1-Jul	2-Jul	3-Jul	4-Jul	5-Jul	6-Jul	7-Jul	08-Jul	09-Jul	09-Aug
19.25	16.33	16.48	17.03	17.34	17.42	17.30	17.24	17.13	16.99	16.86	16.75	16.56	16.86	16.37
10-Aug	11-Aug	12-Aug	13-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	22-Aug	23-Aug	24-Aug
17.03	17.86	18.10	18.09	17.87	17.74	17.61	17.60	17.60	17.60	17.58	17.47	17.24	16.92	16.60

Gauge Levels of important rivers during season of 2011

South Bengal River

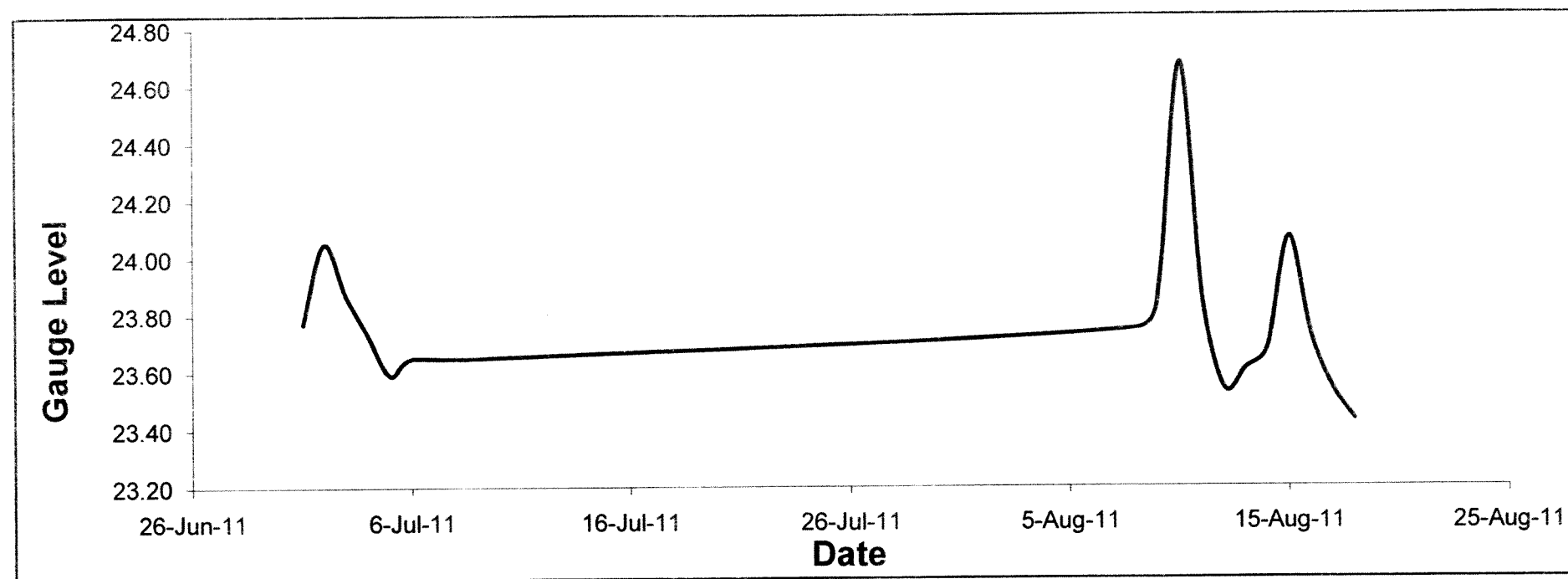
Extreme Danger Level -28.79 metre

Danger level -27.99 metre

At 6.00 AM

River-Narayanpur

Gauge- Narayanpur



19-Jun	20-Jun	21-Jun	22-Jun	23-Jun	24-Jun	25-Jun	26-Jun	27-Jun	28-Jun	29-Jun	30-Jun	01-Jul	02-Jul	03-Jul
23.75	23.79	23.90	23.58	23.51	23.47	23.46	23.45	23.75	24.23	24.00	24.01	23.77	24.05	23.87
04-Jul	05-Jul	06-Jul	09-Jul	08-Aug	09-Aug	10-Aug	11-Aug	12-Aug	13-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug
23.73	23.59	23.65	23.65	23.75	23.89	24.68	23.86	23.54	23.61	23.68	24.07	23.73	23.54	23.43

Gauge Levels of important rivers during season of 2011

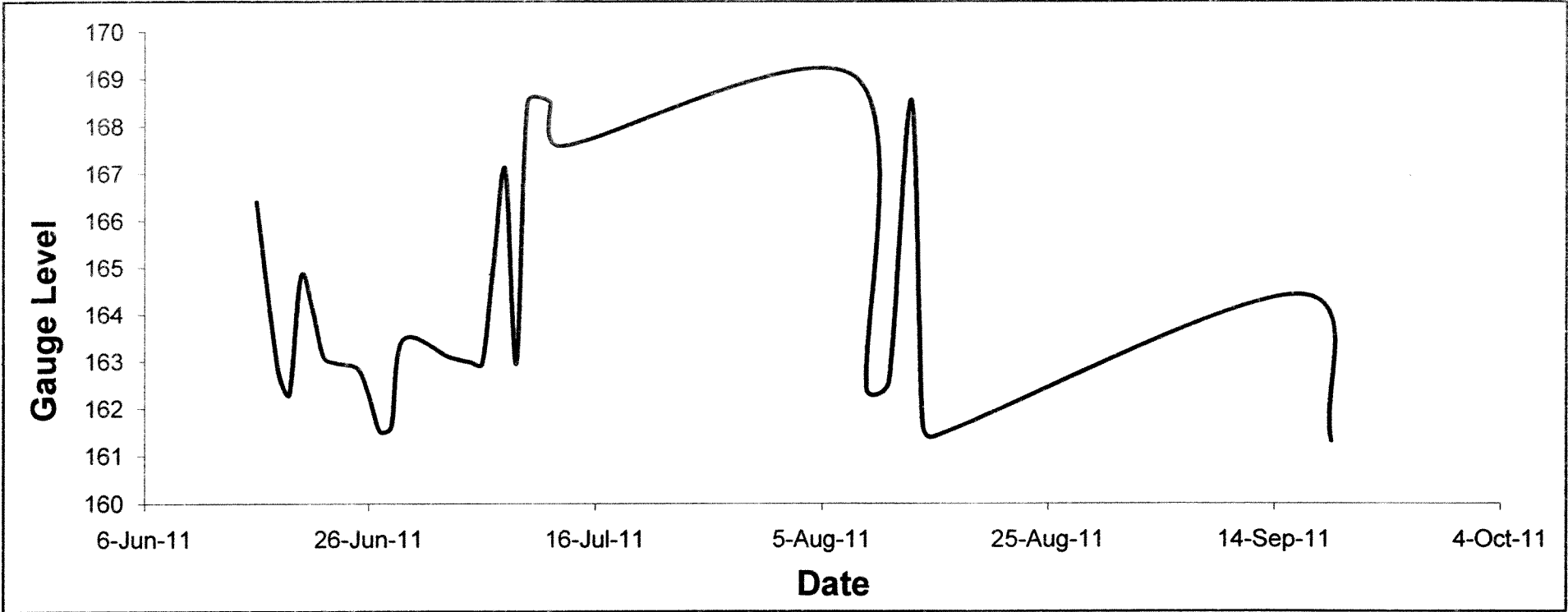
South Bengal River

River-Ajay Sikatia

Gauge- Sikatia

Extreme Danger Level -166.24 metre
Danger level -165.64 metre
At 6.00 AM

64-36



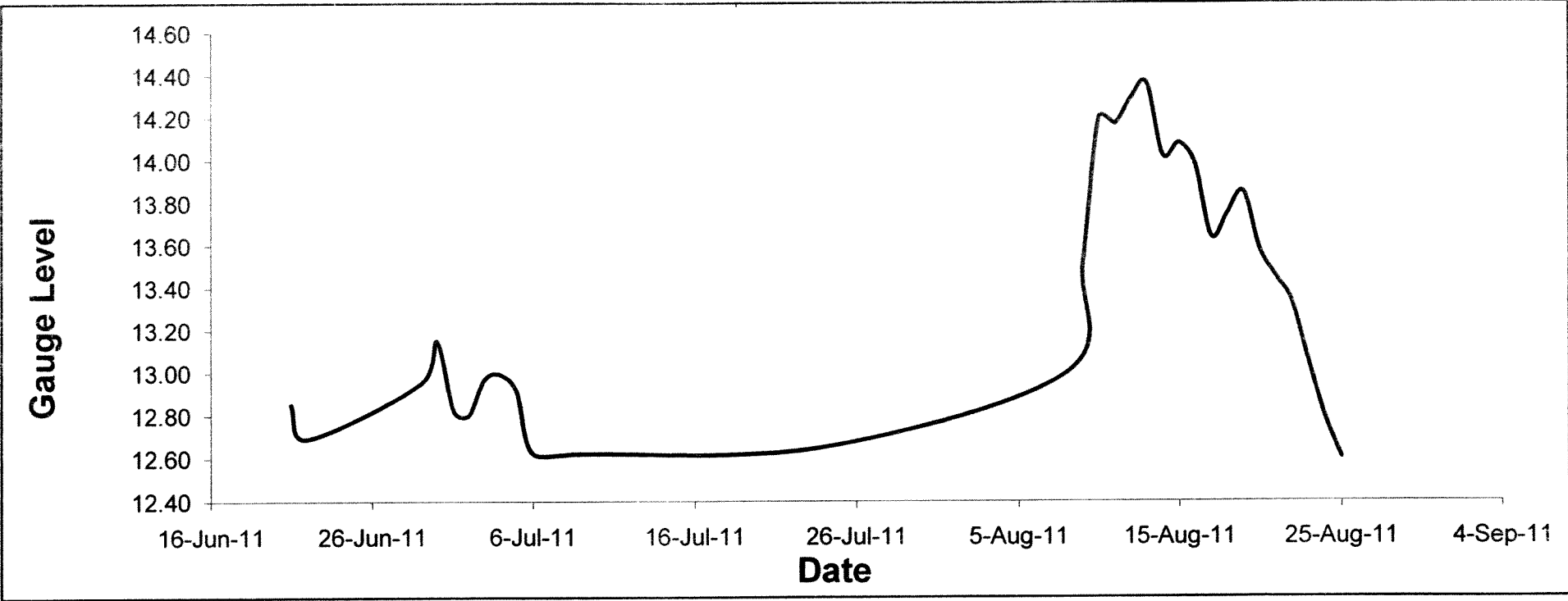
16-Jun	18-Jun	19-Jun	20-Jun	21-Jun	22-Jun	23-Jun	25-Jun	26-Jun	27-Jun	28-Jun	29-Jun	03-Jul	04-Jul	05-Jul
166.40	162.80	162.30	164.80	164.17	163.11	162.97	162.85	162.30	161.51	161.62	163.46	163.10	163.03	162.98
06-Jul	07-Jul	08-Jul	09-Jul	10-Jul	12-Jul	13-Jul	08-Aug	09-Aug	11-Aug	13-Aug	14-Aug	15-Aug	16-Sep	19-Sep
162.95	165.09	167.08	162.95	168.51	168.51	167.58	169.04	162.40	162.55	168.56	161.70	161.40	164.42	161.30

Gauge Levels of important rivers during season of 2011

South Bengal River

River-Ajay Katwa
Gauge- Katwa

Extreme Danger Level -15.182 metre
Danger level -14.481 metre
At 6.00 AM



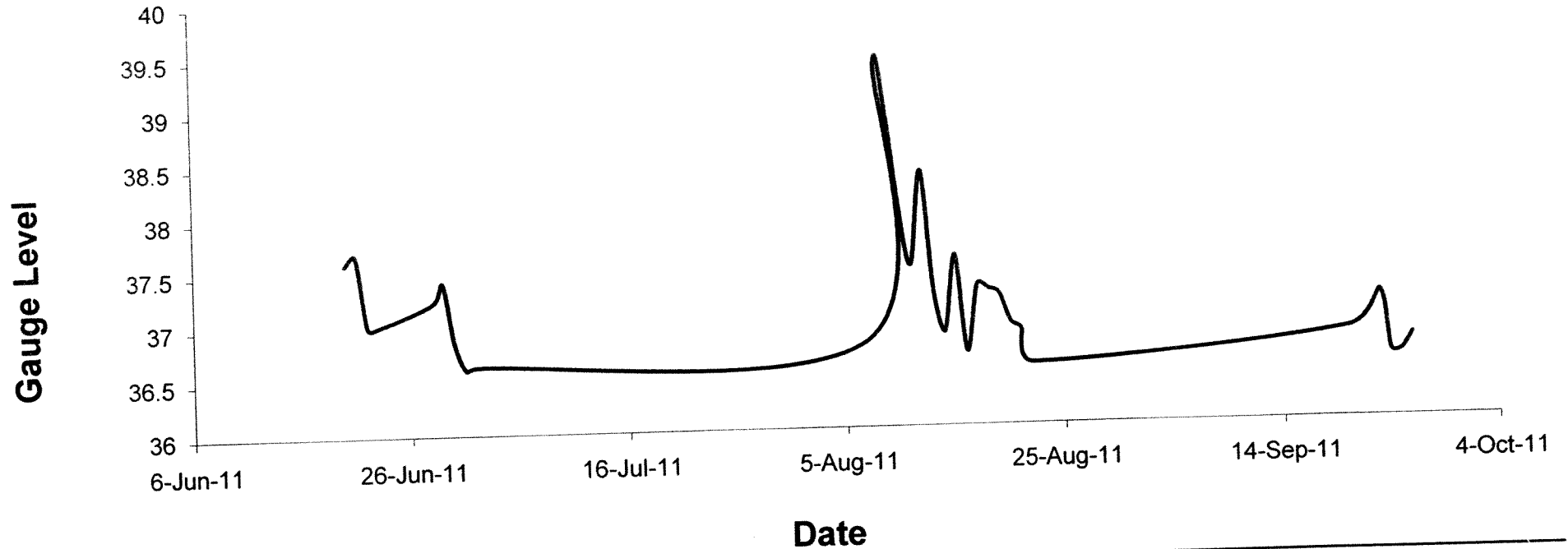
21-Jun	22-Jun	29-Jun	30-Jun	1-Jul	2-Jul	3-Jul	4-Jul	5-Jul	6-Jul	9-Jul	24-Jul	08-Aug	09-Aug	10-Aug
12.85	12.69	12.95	13.15	12.82	12.80	12.97	12.99	12.91	12.62	12.62	12.65	13.00	13.52	14.20
11-Aug	12-Aug	13-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	22-Aug	23-Aug	24-Aug	25-Aug
14.17	14.29	14.36	14.02	14.08	13.98	13.64	13.75	13.85	13.58	13.45	13.33	13.05	12.79	12.60

Gauge Levels of important rivers during season of 2011

South Bengal River

Extreme Danger Level -40.40 metre
Danger level -39.41 metre
At 6.00 AM

River-Ajay Gheropara
Gauge- Gheropara



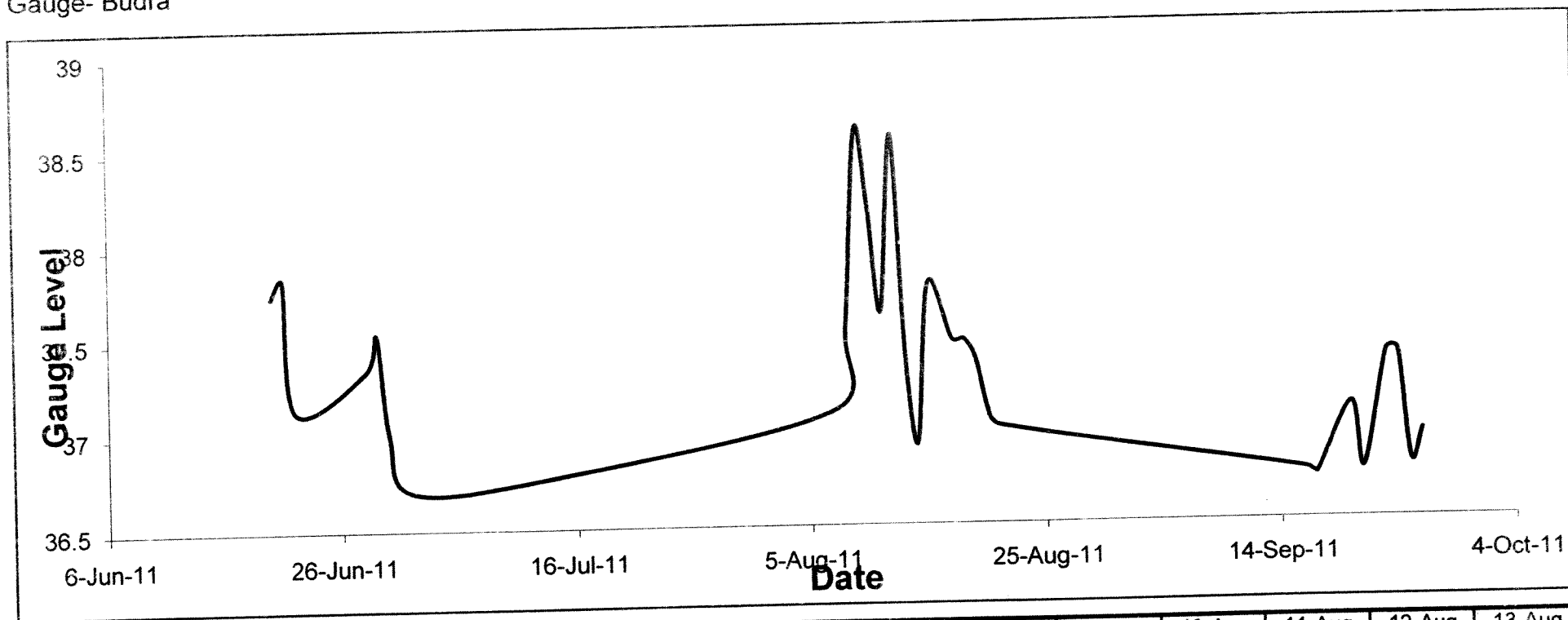
20-Jun	21-Jun	22-Jun	23-Jun	28-Jun	29-Jun	30-Jun	1-Jul	2-Jul	7-Aug	8-Aug	9-Aug	10-Aug	11-Aug	12-Aug
37.60	37.68	37.02	37.02	37.23	37.41	36.86	36.60	36.63	36.80	39.39	38.88	38.02	37.50	38.37
13-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	22-Aug	20-Sep	23-Sep	24-Sep	25-Sep	26-Sep
37.27	36.87	37.58	36.68	37.30	37.26	37.21	36.95	36.87	36.56	36.83	37.16	36.61	36.61	36.76

Gauge Levels of important rivers during season of 2011

South Bengal River

River-Ajay Budra
Gauge- Budra

Extreme Danger Level -40.341 metre
Danger level -39.426 metre
At 6.00 AM



20-Jun	21-Jun	22-Jun	28-Jun	29-Jun	30-Jun	2-Jul	14-Jul	7-Aug	8-Aug	9-Aug	10-Aug	11-Aug	12-Aug	13-Aug
37.74	37.83	37.13	37.34	37.53	37.01	36.70	36.77	37.10	37.53	38.59	38.18	37.62	38.56	37.41
14-Aug	15-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	16-Sep	17-Sep	20-Sep	21-Sep	23-Sep	24-Sep	25-Sep	26-Sep
36.92	37.77	37.47	37.47	37.37	37.10	37.01	36.76	36.73	37.10	36.76	37.37	37.37	36.80	36.95

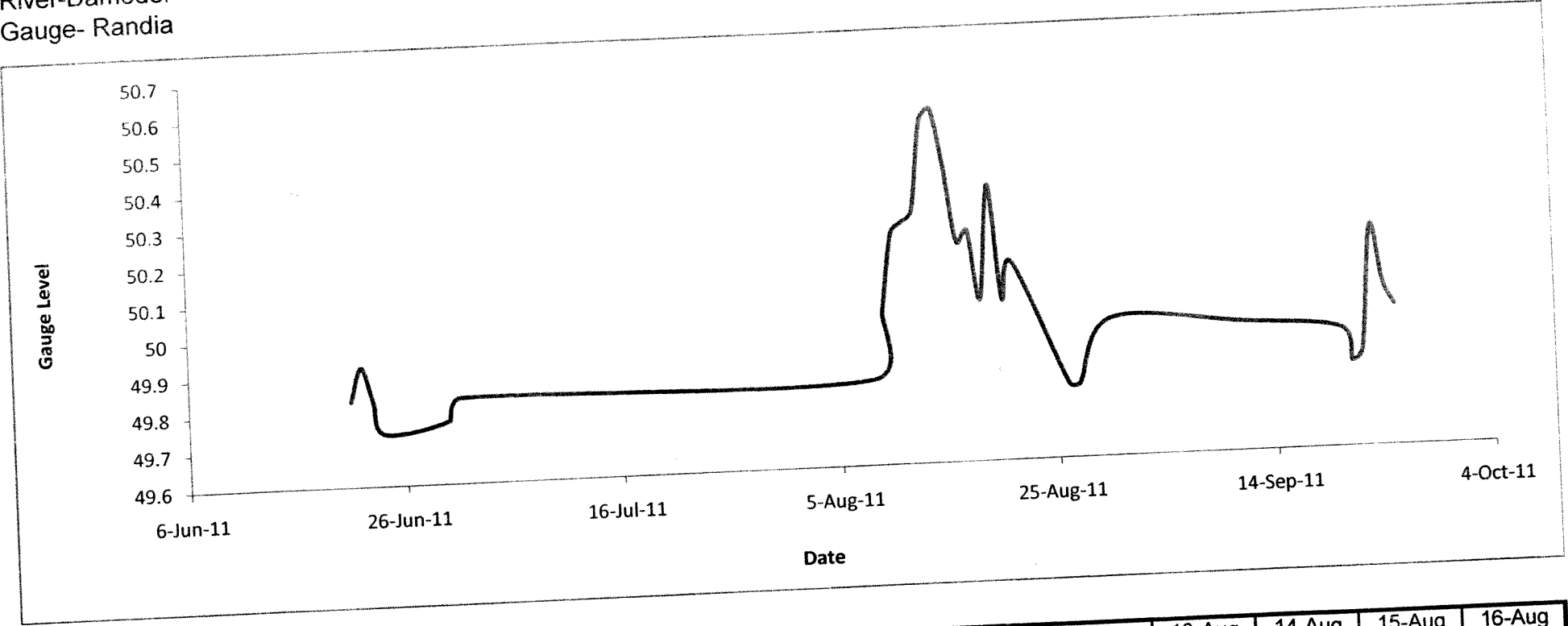
Gauge Levels of important rivers during season of 2011

South Bengal River

Extreme Danger Level -52.893 metre
Danger level -52.134 metre
At 6.00 AM

River-Damoder
Gauge- Randia

Gr-40



21-Jun	22-Jun	23-Jun	24-Jun	30-Jun	1-Jul	8-Aug	9-Aug	10-Aug	11-Aug	12-Aug	13-Aug	14-Aug	15-Aug	16-Aug
49.83	49.92	49.83	49.74	49.77	49.83	49.83	50.01	50.23	50.26	50.29	50.53	50.56	50.41	50.20
17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	26-Aug	27-Aug	30-Aug	11-Sep	20-Sep	21-Sep	22-Sep	23-Sep	24-Sep	25-Sep
50.23	50.04	50.35	50.04	50.14	49.80	49.80	49.97	49.95	49.92	49.83	49.86	50.20	50.05	49.98

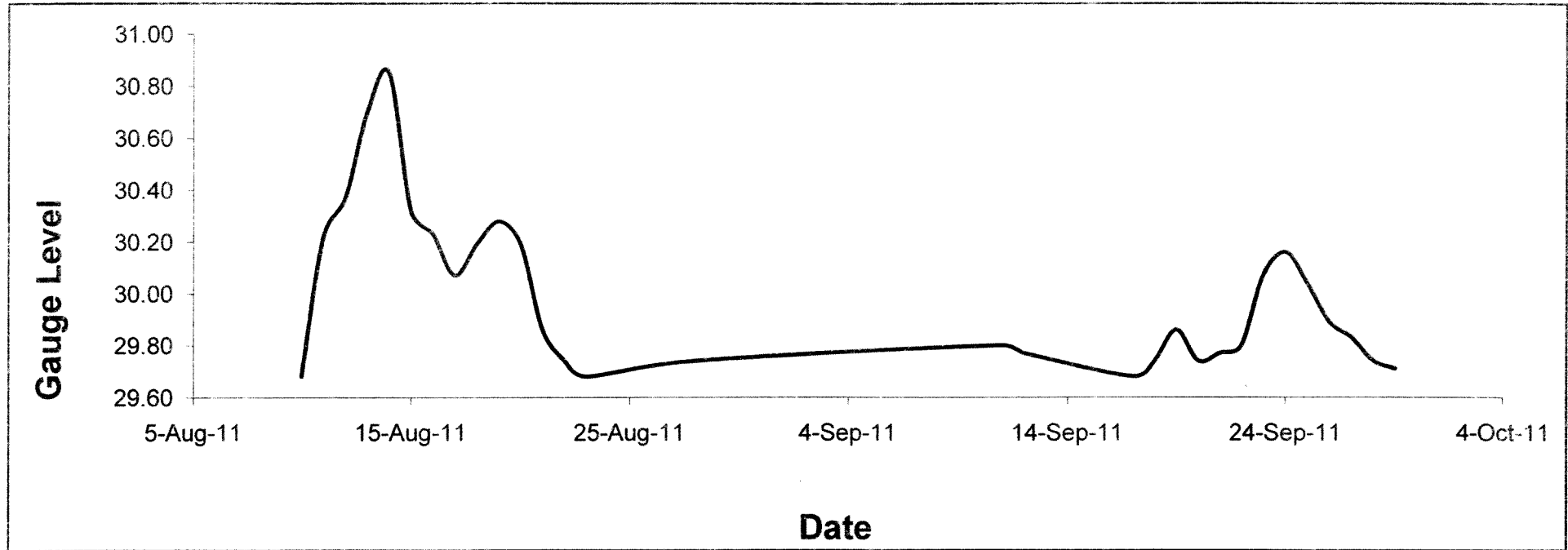
Gauge Levels of important rivers during season of 2011

South Bengal River

River-Damoder
Gauge- Edilpur

Extreme Danger Level -32.95 metre
Danger level -32.79 metre
At 6.00 AM

Gr-41



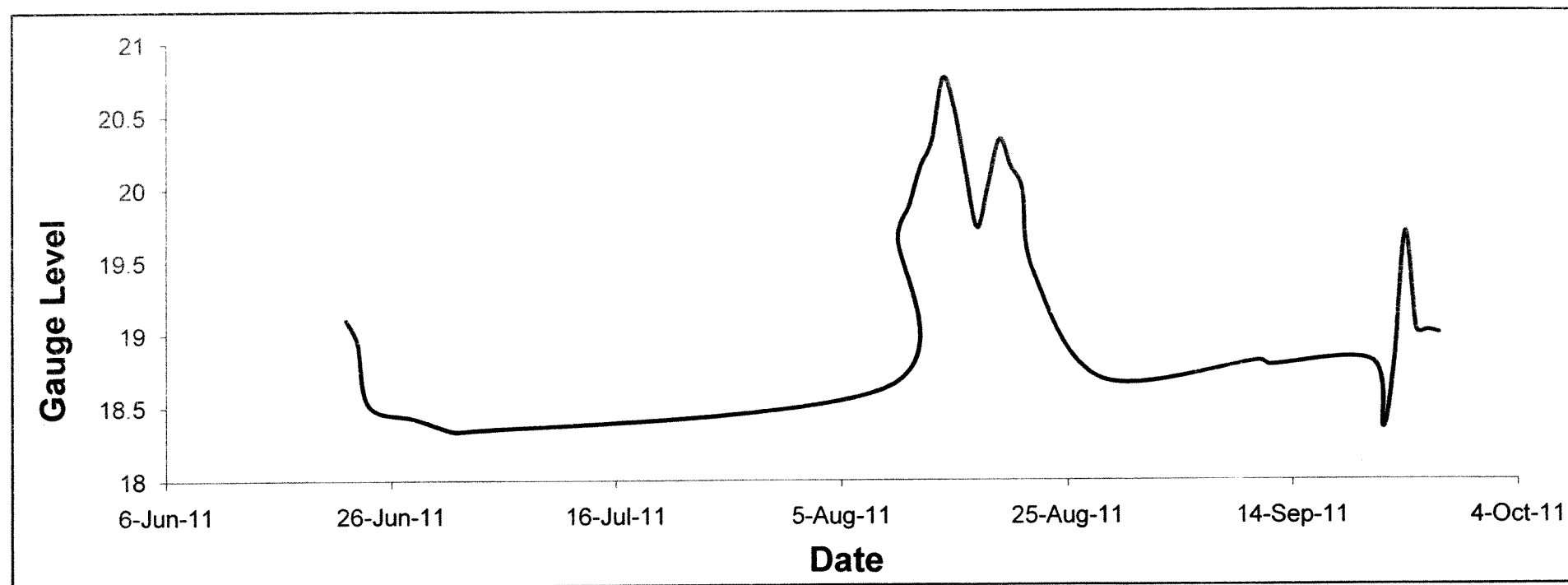
10-Aug	11-Aug	12-Aug	13-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	22-Aug	23-Aug	28-Aug
29.68	30.22	30.37	30.70	30.85	30.32	30.23	30.07	30.19	30.28	30.19	29.86	29.74	29.68	29.74
11-Sep	12-Sep	17-Sep	18-Sep	19-Sep	20-Sep	21-Sep	22-Sep	23-Sep	24-Sep	25-Sep	26-Sep	27-Sep	28-Sep	29-Sep
29.80	29.77	29.68	29.74	29.86	29.74	29.77	29.80	30.07	30.16	30.04	29.89	29.83	29.74	29.71

Gauge Levels of important rivers during season of 2011

South Bengal River

River-Damoder
Gauge- Jamalpur

Extreme Danger Level -23.542 metre
Danger level -23.237 metre
At 6.00 AM



22-Jun	23-Jun	24-Jun	28-Jun	1-Jul	2-Jul	9-Aug	10-Aug	11-Aug	12-Aug	13-Aug	14-Aug	15-Aug	16-Aug	17-Aug
19.10	18.94	18.51	18.42	18.34	18.33	18.63	19.68	19.88	20.15	20.33	20.76	20.55	20.12	19.73
18-Aug	19-Aug	20-Aug	21-Aug	22-Aug	28-Aug	11-Sep	12-Sep	21-Sep	22-Sep	23-Sep	24-Sep	25-Sep	26-Sep	27-Sep
20.03	20.34	20.15	20.00	19.42	18.69	18.81	18.78	18.81	18.35	18.81	19.70	19.02	19.02	19.00

Gauge Levels of important rivers during season of 2011

South Bengal River

River-Damoder

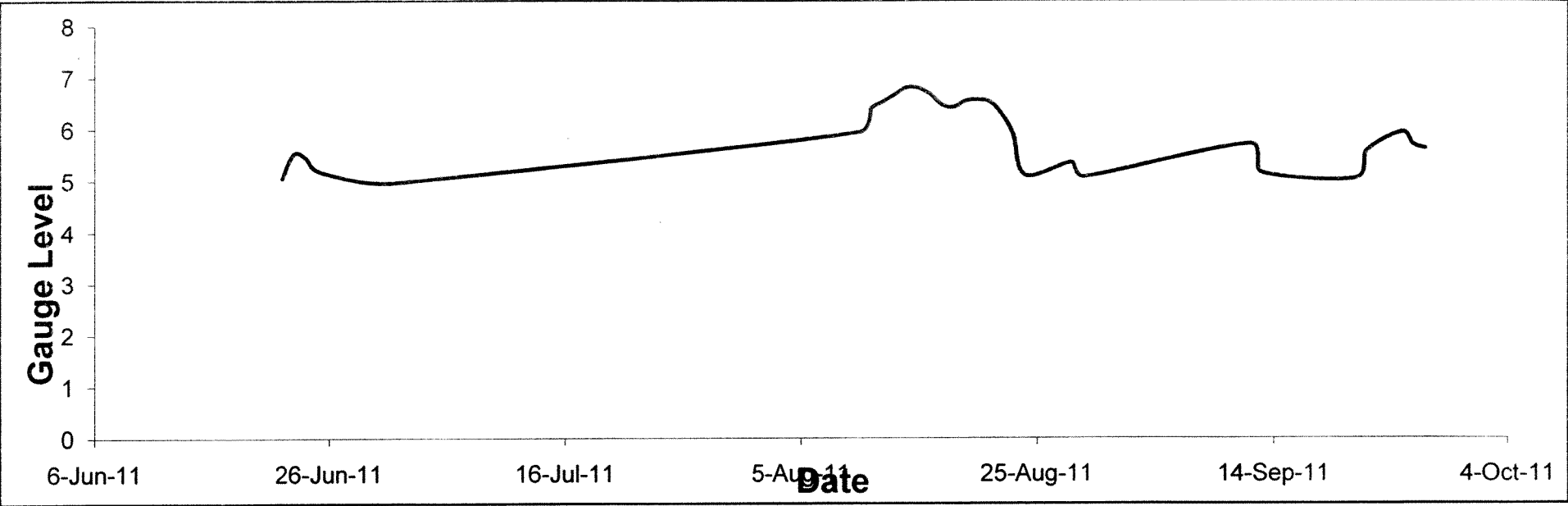
Gauge- Amta

Extreme Danger Level -6.24 metre

Danger level -5.64 metre

At 6.00 AM

Gr-43



22-Jun	23-Jun	24-Jun	25-Jun	29-Jun	2-Jul	10-Aug	11-Aug	12-Aug	13-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug
5.05	5.53	5.45	5.20	4.98	4.97	5.94	6.39	6.53	6.67	6.81	6.80	6.68	6.47	6.43
19-Aug	20-Aug	21-Aug	22-Aug	23-Aug	24-Aug	28-Aug	29-Aug	12-Sep	13-Sep	21-Sep	22-Sep	25-Sep	26-Sep	27-Sep
6.55	6.57	6.53	6.30	5.89	5.10	5.35	5.07	5.71	5.15	5.04	5.58	5.94	5.70	5.62

Gauge Levels of important rivers during season of 2011

South Bengal River

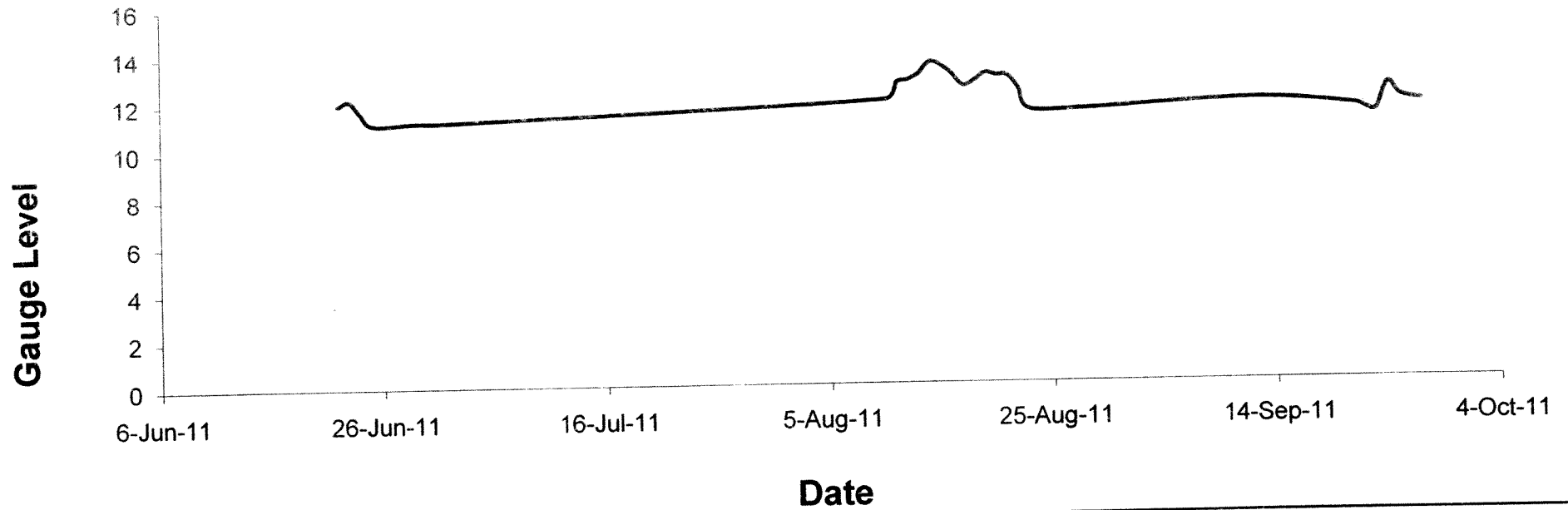
River-Damoder

Gauge- Champadanga

Extreme Danger Level -13.5 metre

Danger level -12.89 metre

At 6.00 AM



22-Jun	23-Jun	24-Jun	25-Jun	28-Jun	29-Jun	2-Jul	10-Aug	11-Aug	12-Aug	13-Aug	14-Aug	15-Aug	16-Aug	17-Aug
11.98	12.16	11.64	11.15	11.18	11.21	11.21	11.98	12.68	12.80	13.04	13.53	13.38	13.01	12.53
18-Aug	19-Aug	20-Aug	21-Aug	22-Aug	23-Aug	28-Aug	12-Sep	21-Sep	22-Sep	23-Sep	24-Sep	25-Sep	26-Sep	27-Sep
12.71	13.04	12.95	12.92	12.37	11.49	11.49	11.83	11.52	11.34	11.28	12.37	11.89	11.73	11.67

Gauge Levels of important rivers during season of 2011

South Bengal River

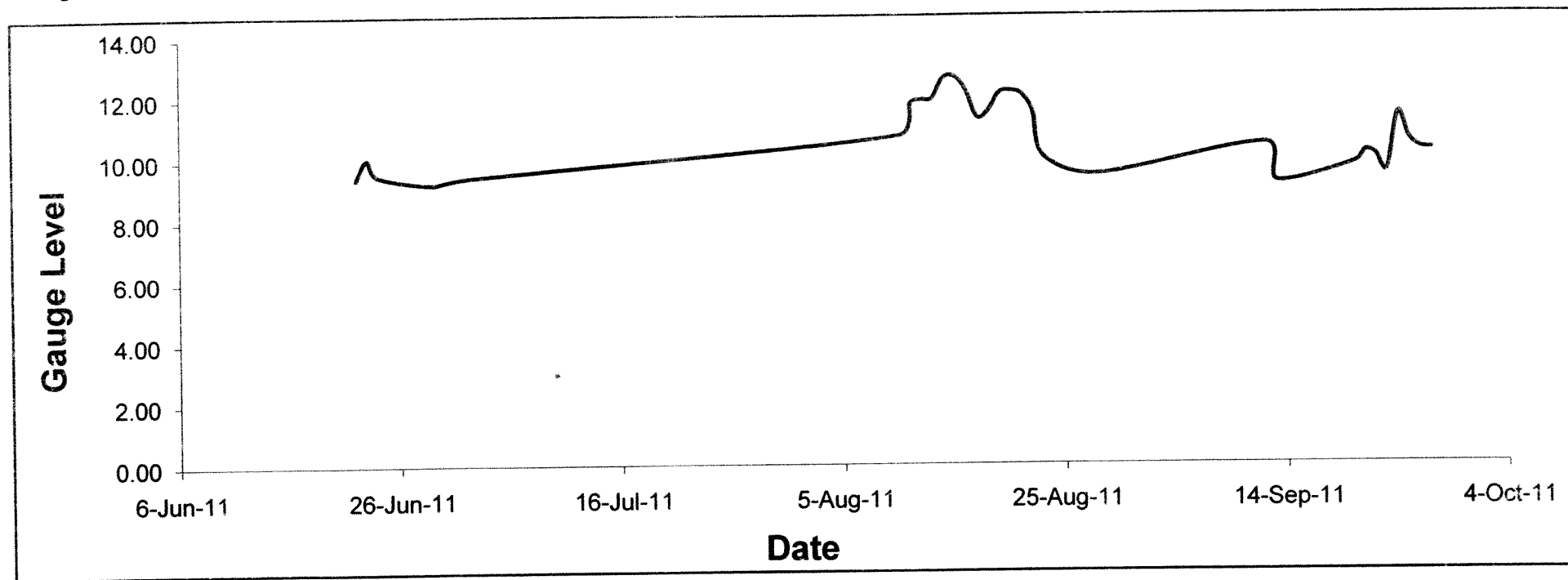
Extreme Danger Level -13.41 metre

River-Mundeswari

Danger level -12.6 metre

Gauge- mundeswari-Harinkhola

At 6.00 AM



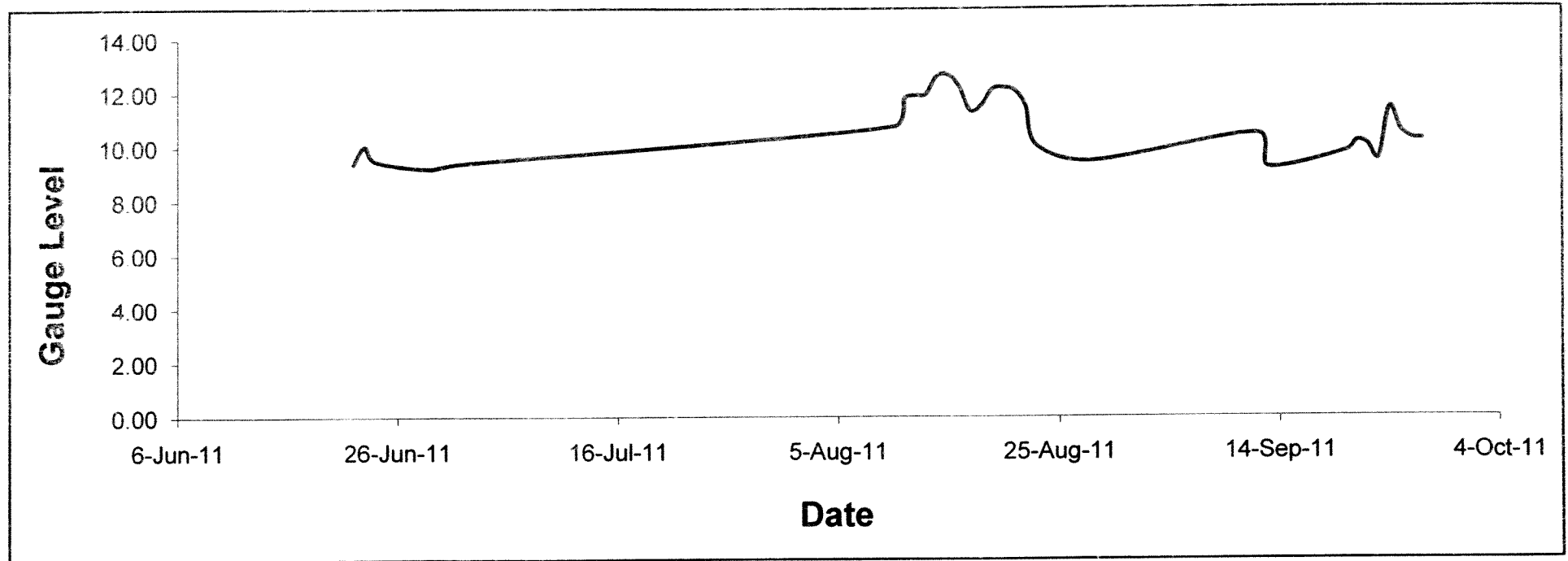
22-Jun	23-Jun	24-Jun	29-Jun	2-Jul	10-Aug	11-Aug	12-Aug	13-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug
9.40	10.05	9.50	9.22	9.43	10.77	11.80	11.94	11.98	12.65	12.69	12.26	11.36	11.56	12.16
20-Aug	21-Aug	22-Aug	23-Aug	28-Aug	12-Sep	13-Sep	20-Sep	21-Sep	22-Sep	23-Sep	24-Sep	25-Sep	26-Sep	27-Sep
12.22	12.10	11.51	10.04	9.48	10.47	9.22	9.80	10.18	10.05	9.56	11.42	10.60	10.30	10.26

Gauge Levels of important rivers during season of 2011

South Bengal River

River-Dwarakeswar
Gauge-Arambag

Extreme Danger Level -17.22 metre
Danger level -17.83 metre
At 6.00 AM



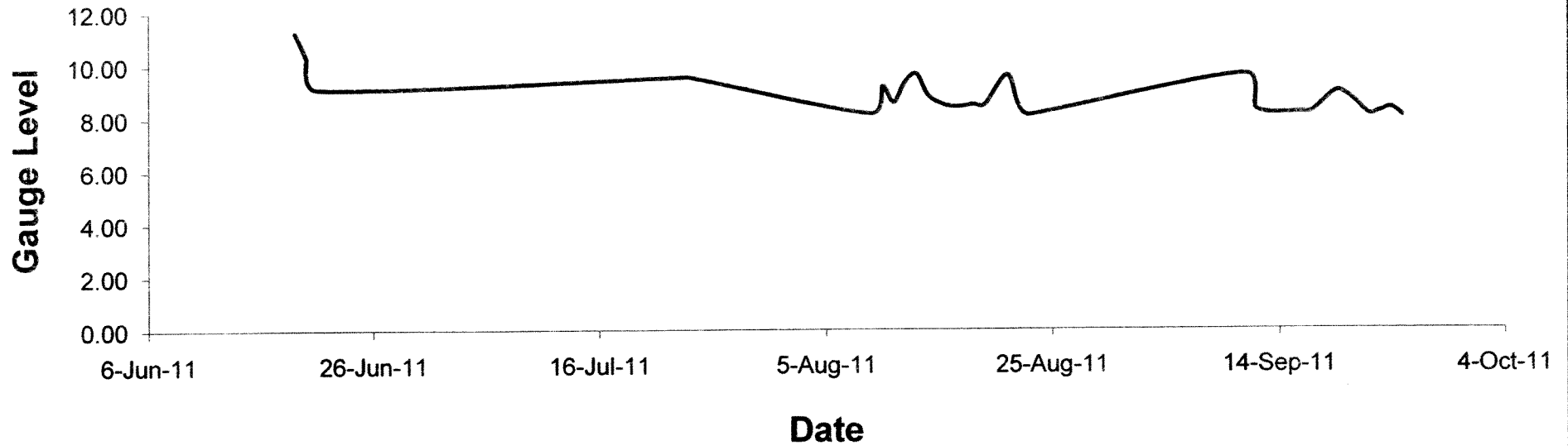
22-Jun	23-Jun	24-Jun	29-Jun	2-Jul	10-Aug	11-Aug	12-Aug	13-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug
9.40	10.05	9.50	9.22	9.43	10.77	11.80	11.94	11.98	12.65	12.69	12.26	11.36	11.56	12.16
20-Aug	21-Aug	22-Aug	23-Aug	28-Aug	12-Sep	13-Sep	20-Sep	21-Sep	22-Sep	23-Sep	24-Sep	25-Sep	26-Sep	27-Sep
12.22	12.10	11.51	10.04	9.48	10.47	9.22	9.80	10.18	10.05	9.56	11.42	10.60	10.30	10.26

Gauge Levels of important rivers during season of 2011

South Bengal River

River-Dwarakeswar
Gauge-Shakepur

Extreme Danger Level -12.74 metre
Danger level -11.74 metre
At 6.00 AM



19-Jun	20-Jun	21-Jun	23-Jul	24-Jul	9-Aug	10-Aug	11-Aug	12-Aug	13-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug
11.26	10.33	9.12	9.55	9.55	8.18	9.20	8.60	9.38	9.67	8.87	8.58	8.45	8.45	8.52
19-Aug	21-Aug	22-Aug	23-Aug	11-Sep	12-Sep	16-Sep	17-Sep	19-Sep	20-Sep	21-Sep	22-Sep	23-Sep	24-Sep	25-Sep
8.51	9.63	8.51	8.12	9.64	8.30	8.19	8.24	8.96	8.85	8.50	8.11	8.21	8.34	8.03

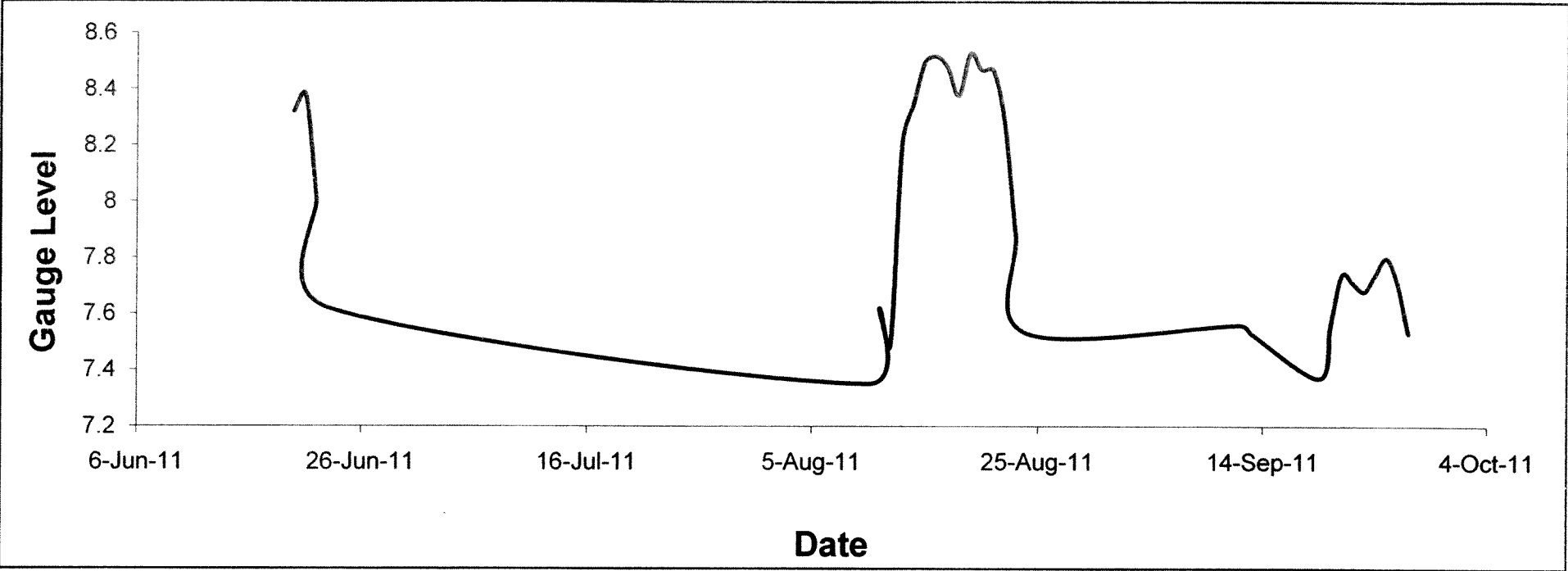
Gauge Levels of important rivers during season of 2011

South Bengal River

River-Silaboti
Gauge-Gadghat

Extreme Danger Level -8.99 metre
Danger level -9.6 metre
At 6.00 AM

G-48



20-Jun	21-Jun	22-Jun	23-Jun	10-Aug	11-Aug	12-Aug	13-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug
8.32	8.38	8.01	7.62	7.35	7.62	7.49	8.21	8.35	8.50	8.52	8.48	8.38	8.53	8.47
21-Aug	22-Aug	23-Aug	24-Aug	12-Sep	13-Sep	19-Sep	20-Sep	21-Sep	22-Sep	23-Sep	24-Sep	25-Sep	26-Sep	27-Sep
8.47	8.29	7.89	7.53	7.56	7.53	7.37	7.56	7.74	7.71	7.68	7.74	7.80	7.71	7.53

Gauge Levels of important rivers during season of 2011

South Bengal River

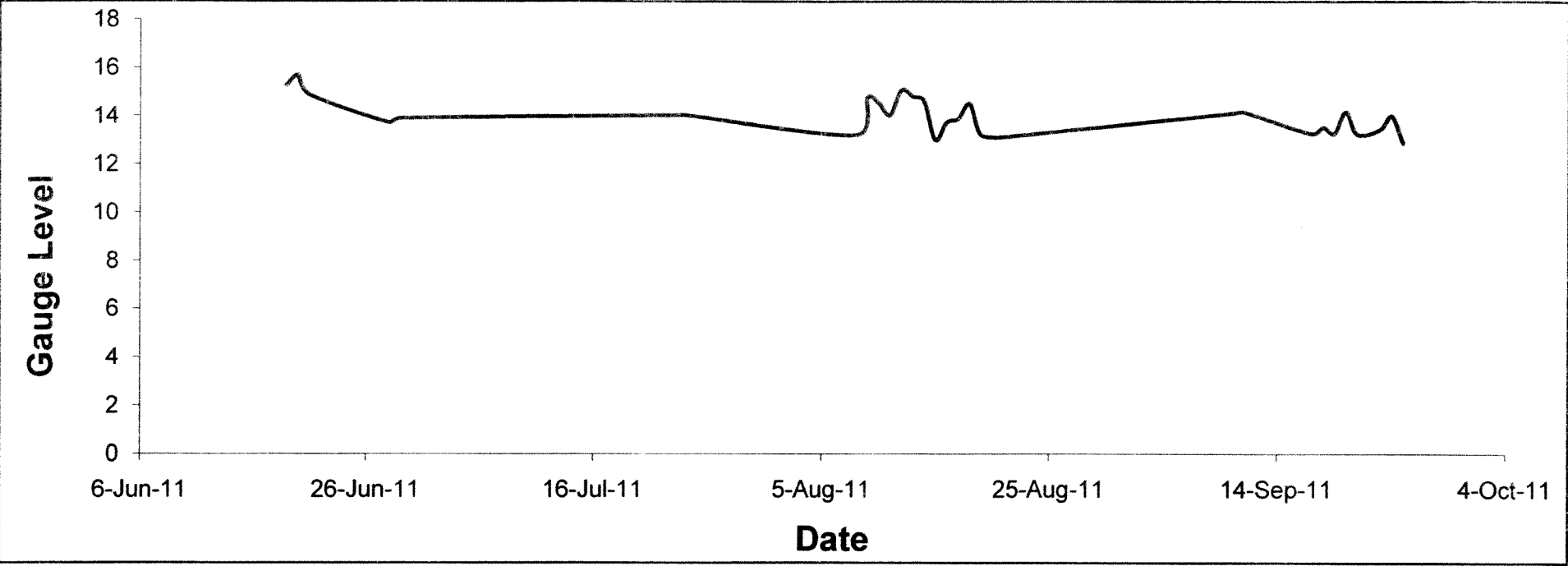
River-Silaboti

Gauge-Banka

Extreme Danger Level -15.68 metre

Danger level -15.08metre

At 6.00 AM



19-Jun	20-Jun	21-Jun	28-Jun	29-Jun	23-Jul	24-Jul	8-Aug	9-Aug	10-Aug	11-Aug	12-Aug	13-Aug	14-Aug	15-Aug
15.28	15.69	14.88	13.72	13.90	14.03	14.03	13.21	14.76	14.55	14.03	15.08	14.82	14.64	13.02
16-Aug	17-Aug	18-Aug	19-Aug	21-Aug	10-Sep	11-Sep	17-Sep	18-Sep	19-Sep	20-Sep	21-Sep	23-Sep	24-Sep	25-Sep
13.75	13.90	14.52	13.21	13.14	14.12	14.18	13.27	13.54	13.27	14.18	13.24	13.45	14.00	12.87

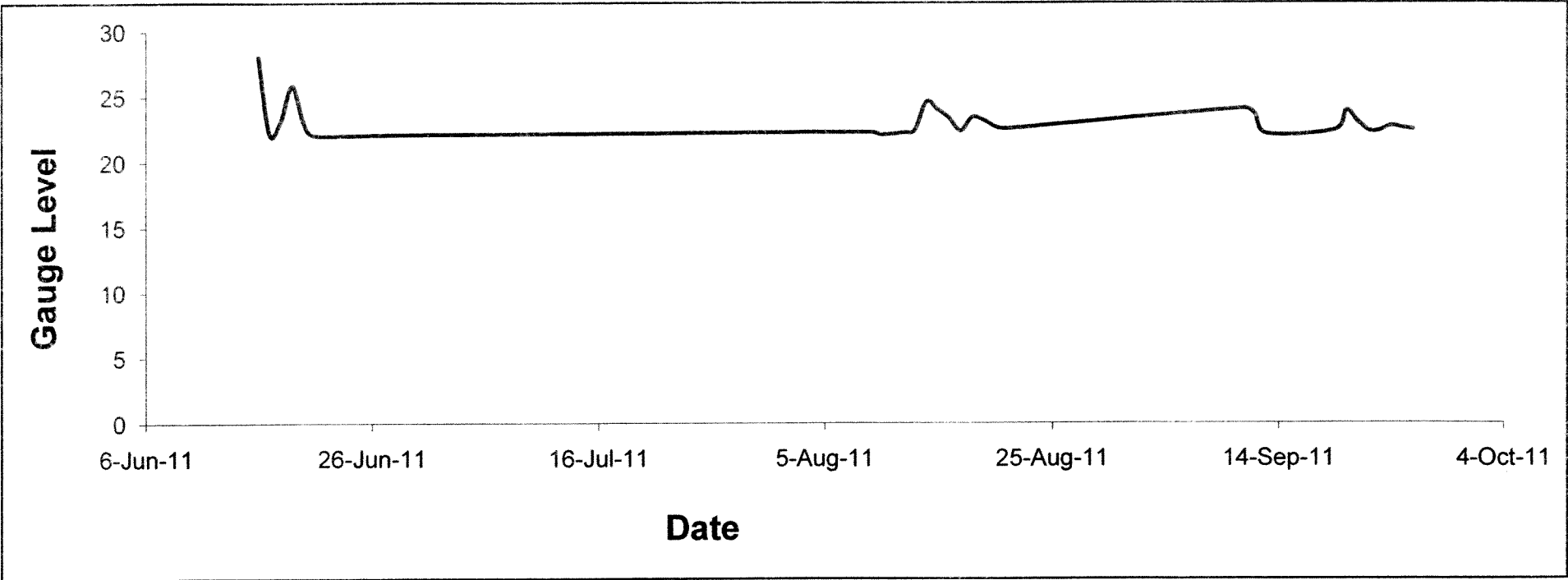
Gauge Levels of important rivers during season of 2011

South Bengal River

River-Kangsaboti
Gauge-Mohanpur

Extreme Danger Level -26.36 metre
Danger level -25.75metre
At 6.00 AM

G-50



16-Jun	17-Jun	18-Jun	19-Jun	20-Jun	21-Jun	29-Jun	9-Aug	10-Aug	12-Aug	13-Aug	14-Aug	15-Aug	16-Aug	17-Aug
28.08	22.12	23.18	25.88	23.02	22.06	22.12	22.30	22.10	22.26	22.44	24.62	24.00	23.34	22.38
18-Aug	19-Aug	20-Aug	21-Aug	11-Sep	12-Sep	13-Sep	19-Sep	20-Sep	21-Sep	22-Sep	23-Sep	24-Sep	25-Sep	26-Sep
23.42	23.20	22.70	22.56	24.10	23.58	22.14	22.44	23.94	23.08	22.38	22.40	22.76	22.60	22.48

Gauge Levels of important rivers during season of 2011

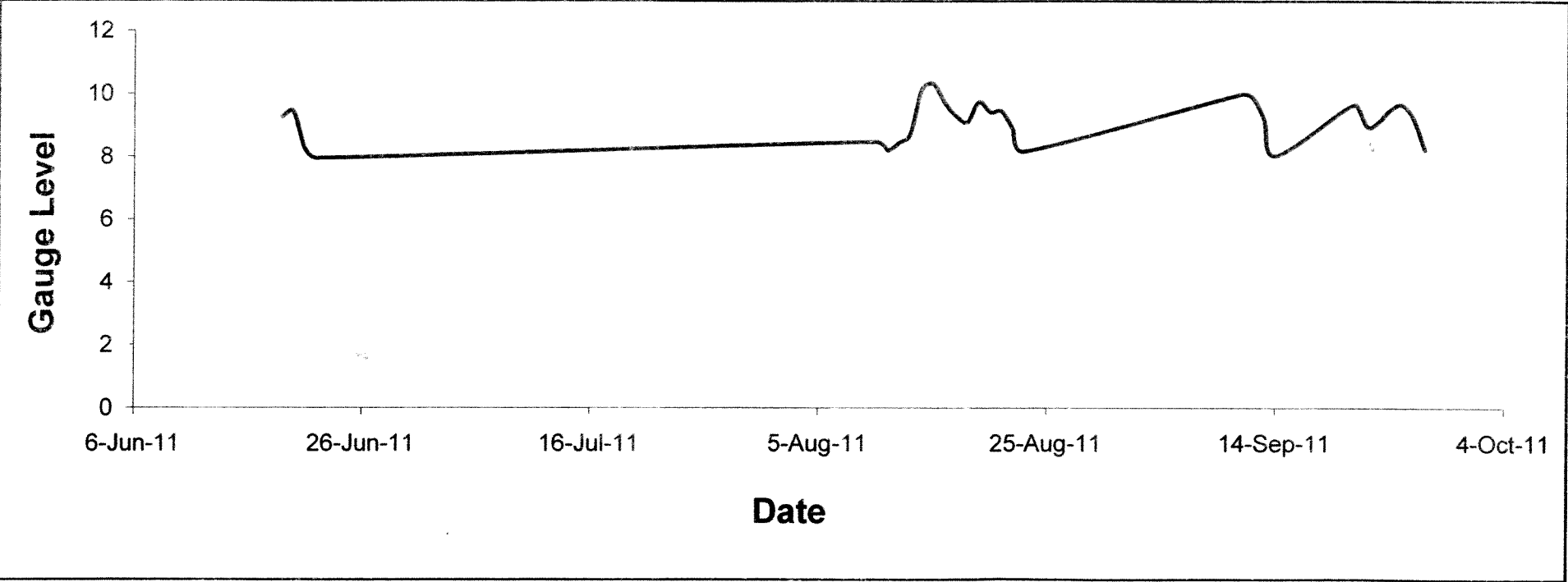
South Bengal River

River-Kangsaboti

Gauge-Kolmijole(old cossyo)

Extreme Danger Level -9.9 metre
Danger level -9.29 metre
At 6.00 AM

64-51



19-Jun	20-Jun	21-Jun	22-Jun	10-Aug	11-Aug	12-Aug	13-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug
9.26	9.42	8.23	7.95	8.47	8.20	8.44	8.72	10.15	10.33	9.72	9.29	9.11	9.75	9.42
21-Aug	22-Aug	23-Aug	11-Sep	12-Sep	13-Sep	14-Sep	20-Sep	21-Sep	22-Sep	23-Sep	24-Sep	25-Sep	26-Sep	27-Sep
9.45	8.87	8.17	10.00	9.90	9.20	8.04	9.51	9.66	8.96	9.14	9.51	9.66	9.23	8.23

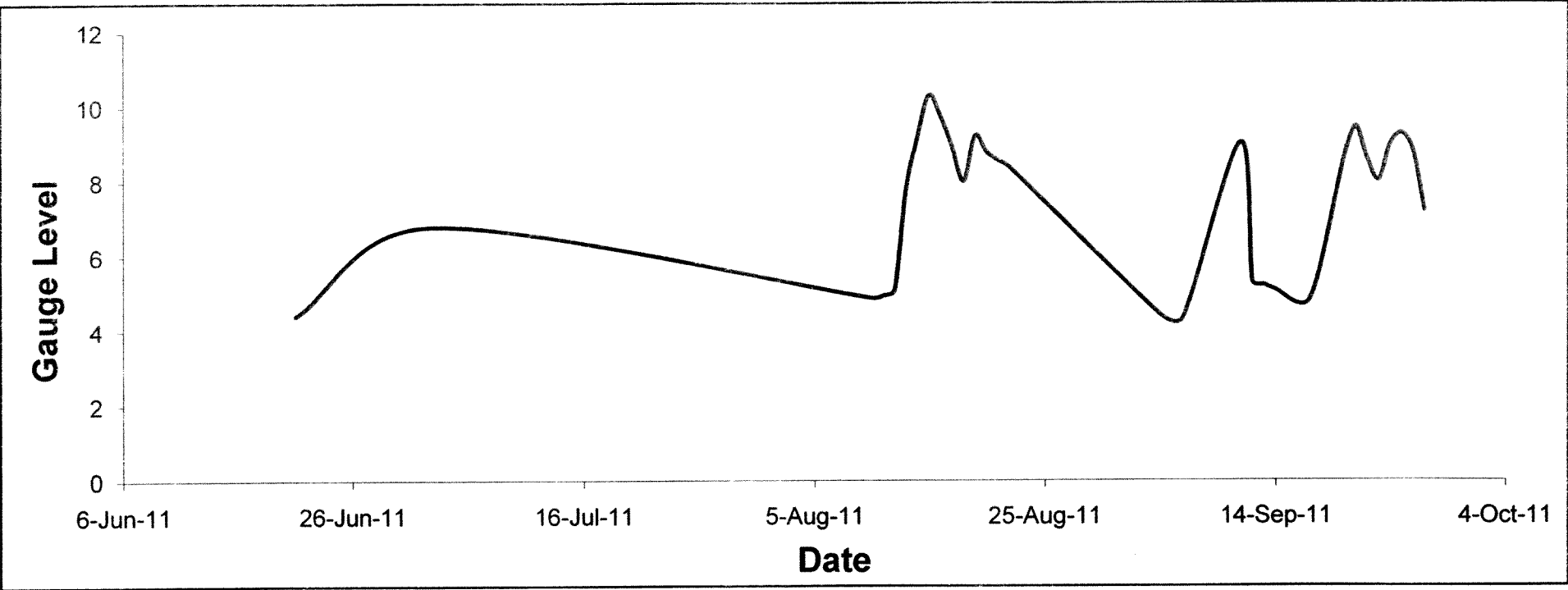
Gauge Levels of important rivers during season of 2011

South Bengal River

River-Kangsaboti

Gauge-panskura

Extreme Danger Level -9.29 metre
Danger level -9.9 metre
At 6.00 AM



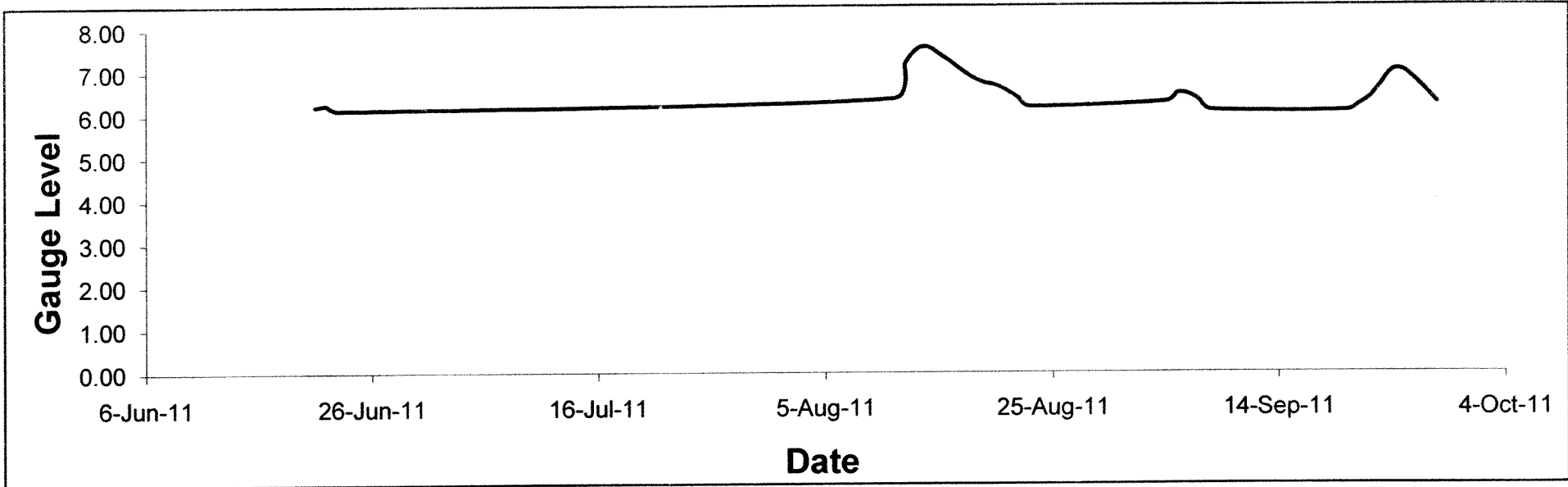
21-Jun	3-Jul	10-Aug	11-Aug	12-Aug	13-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	22-Aug
4.40	6.79	4.87	4.94	5.10	7.78	9.16	10.30	9.74	8.92	8.00	9.22	8.78	8.55	8.36
04-Sep	06-Sep	11-Sep	12-Sep	13-Sep	14-Sep	17-Sep	20-Sep	21-Sep	22-Sep	23-Sep	24-Sep	25-Sep	26-Sep	27-Sep
4.42	4.35	9.03	5.31	5.22	5.08	4.84	8.62	9.46	8.60	8.02	8.98	9.27	8.80	7.19

Gauge Levels of important rivers during season of 2011

South Bengal River

River-Kaliaghi
Gauge-Amgachia

Extreme Danger Level -6.4 metre
Danger level -5.8 metre
At 6.00 AM



21-Jun	22-Jun	23-Jun	11-Aug	12-Aug	13-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	22-Aug
6.21	6.25	6.13	6.38	7.17	7.52	7.59	7.43	7.25	7.05	6.87	6.75	6.69	6.56	6.39
23-Aug	04-Sep	05-Sep	06-Sep	07-Sep	08-Sep	20-Sep	21-Sep	22-Sep	23-Sep	24-Sep	25-Sep	26-Sep	27-Sep	28-Sep
6.19	6.30	6.49	6.47	6.32	6.10	6.08	6.21	6.38	6.68	7.01	7.02	6.81	6.55	6.27

Gauge Levels of important rivers during season of 2011

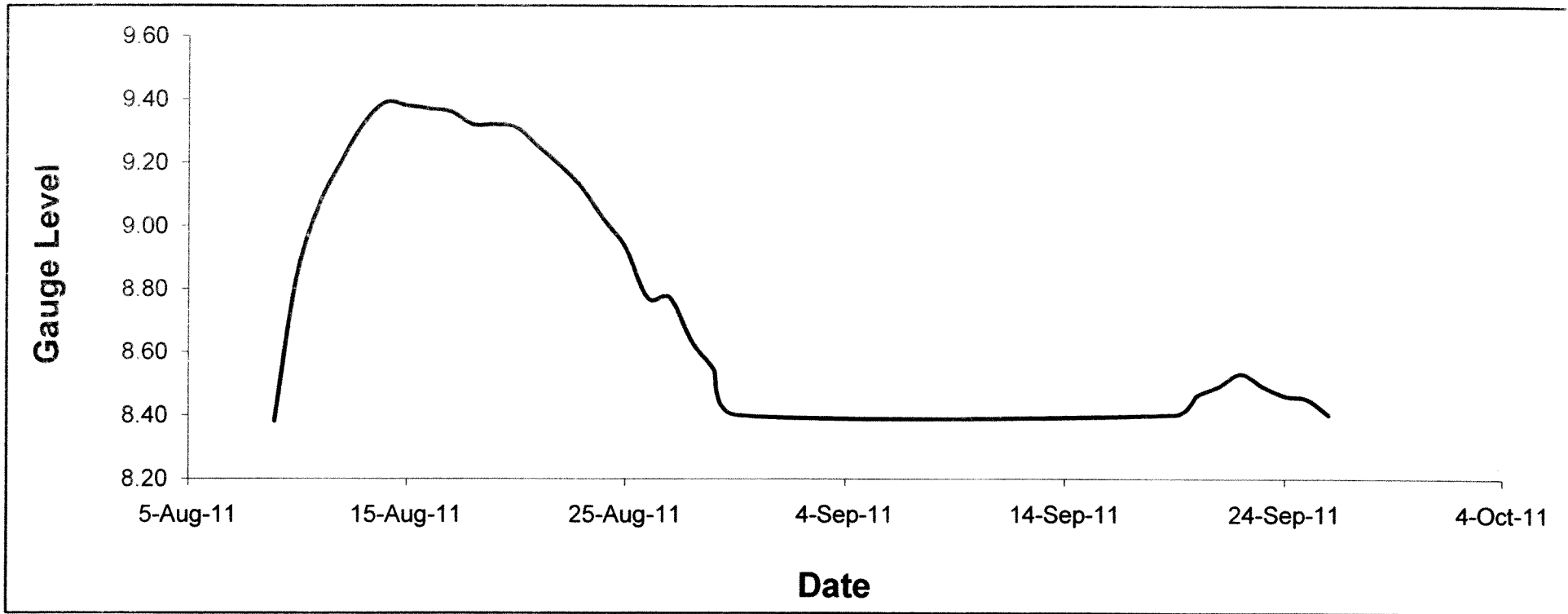
South Bengal River

River-Jalangi

Gauge-Swarupganj

Extreme Danger Level -9.05 metre
Danger level -8.44 metre
At 6.00 AM

65-67



9-Aug	10-Aug	11-Aug	12-Aug	13-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	22-Aug	23-Aug
8.38	8.83	9.06	9.20	9.32	9.39	9.38	9.37	9.36	9.32	9.32	9.31	9.25	9.19	9.12
24-Aug	25-Aug	26-Aug	27-Aug	28-Aug	29-Aug	30-Aug	1-Sep	2-Sep	3-Sep	4-Sep	5-Sep	6-Sep	7-Sep	8-Sep
9.02	8.93	8.77	8.77	8.63	8.54	8.40	8.40	8.46	8.49	8.53	8.49	8.46	8.45	8.40

Gauge Levels of important rivers during season of 2011

South Bengal River

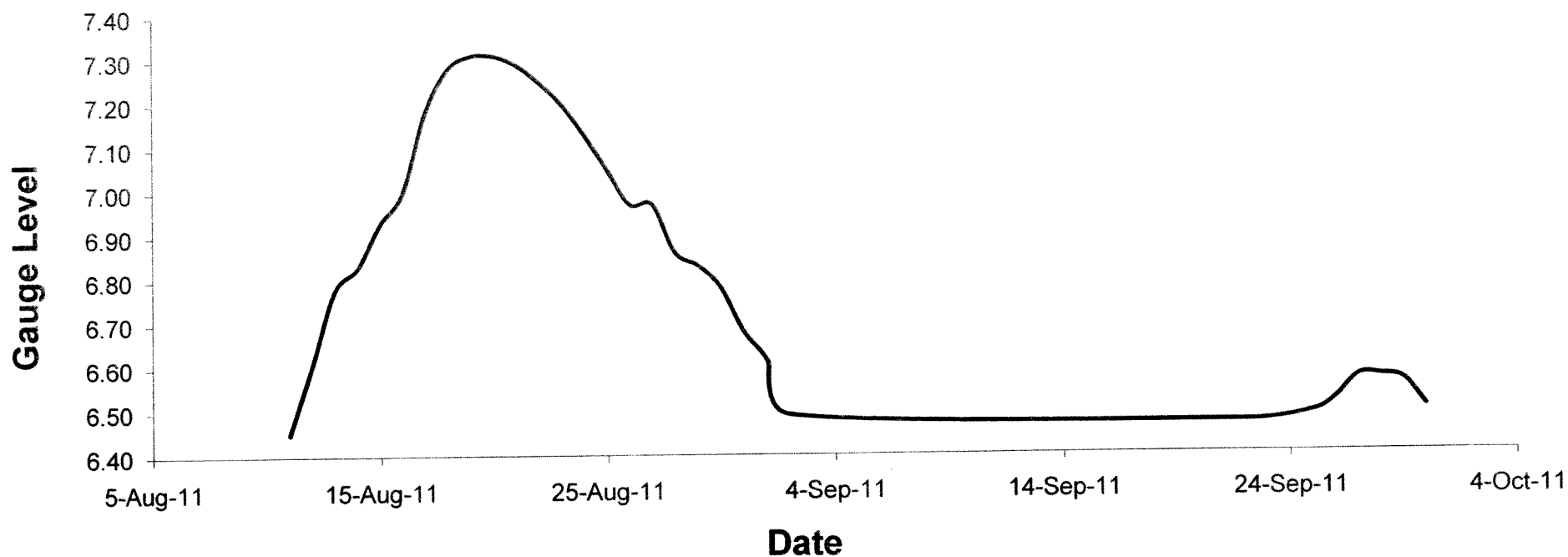
Extreme Danger Level -8.14 metre

River-Churni

Danger level -7.53 metre

Gauge-Hanskhali

At 6.00 AM



11-Aug	12-Aug	13-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	22-Aug	23-Aug	24-Aug	25-Aug
6.45	6.61	6.78	6.83	6.93	7.00	7.18	7.28	7.31	7.31	7.29	7.25	7.20	7.13	7.05
26-Aug	27-Aug	28-Aug	29-Aug	30-Aug	31-Aug	01-Sep	02-Sep	22-Sep	25-Sep	26-Sep	27-Sep	28-Sep	29-Sep	30-Sep
6.97	6.97	6.86	6.83	6.78	6.68	6.61	6.49	6.47	6.49	6.52	6.57	6.57	6.56	6.50

Gauge Levels of important rivers during season of 2011

South Bengal River

River-Bhagirothi-Hooghly

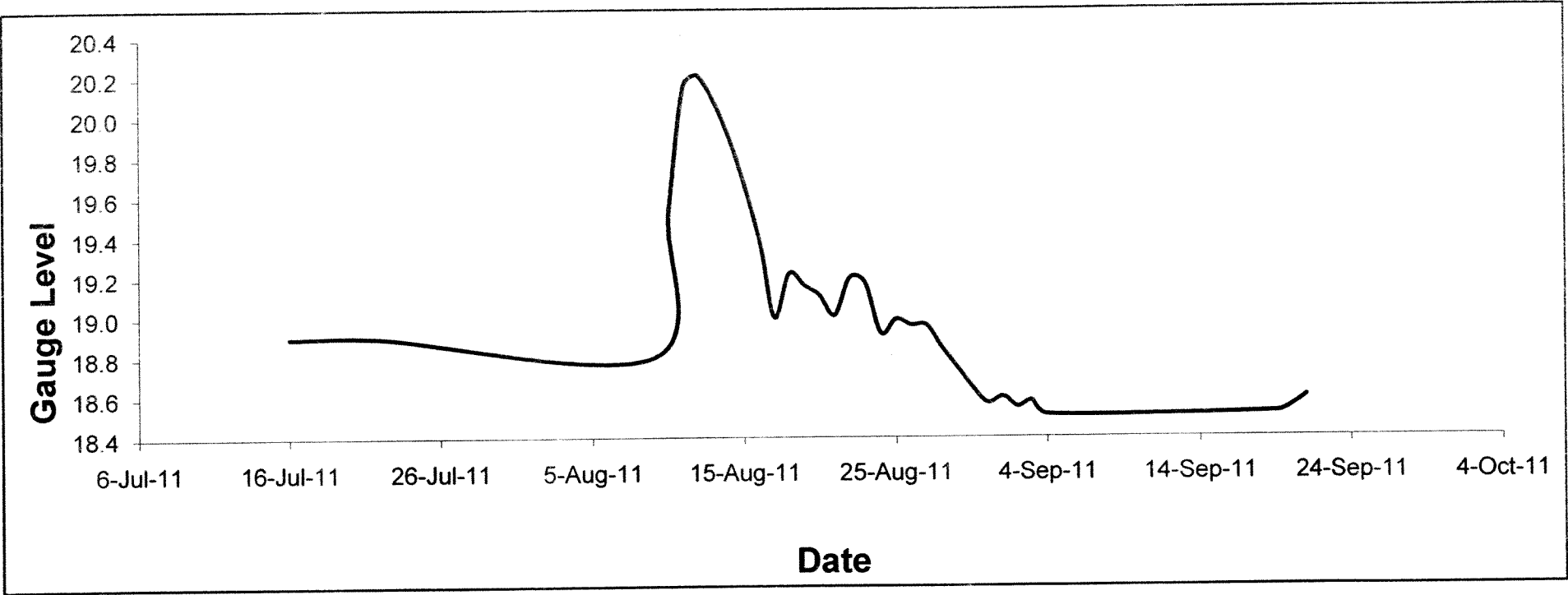
Gauge-Jangipur

Extreme Danger Level -20.88 metre

Danger level -20.27 metre

At 6.00 AM

6-5-19



16-Jul	22-Jul	9-Aug	10-Aug	11-Aug	12-Aug	14-Aug	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	22-Aug	23-Aug
18.90	18.90	18.80	19.53	20.16	20.21	19.91	19.40	19.00	19.22	19.16	19.11	19.01	19.20	19.17
24-Aug	25-Aug	26-Aug	27-Aug	28-Aug	29-Aug	30-Aug	31-Aug	01-Sep	02-Sep	03-Sep	04-Sep	19-Sep	20-Sep	21-Sep
18.92	18.99	18.96	18.96	18.85	18.75	18.65	18.57	18.60	18.55	18.58	18.51	18.52	18.55	18.60

Gauge Levels of important rivers during season of 2011

South Bengal River

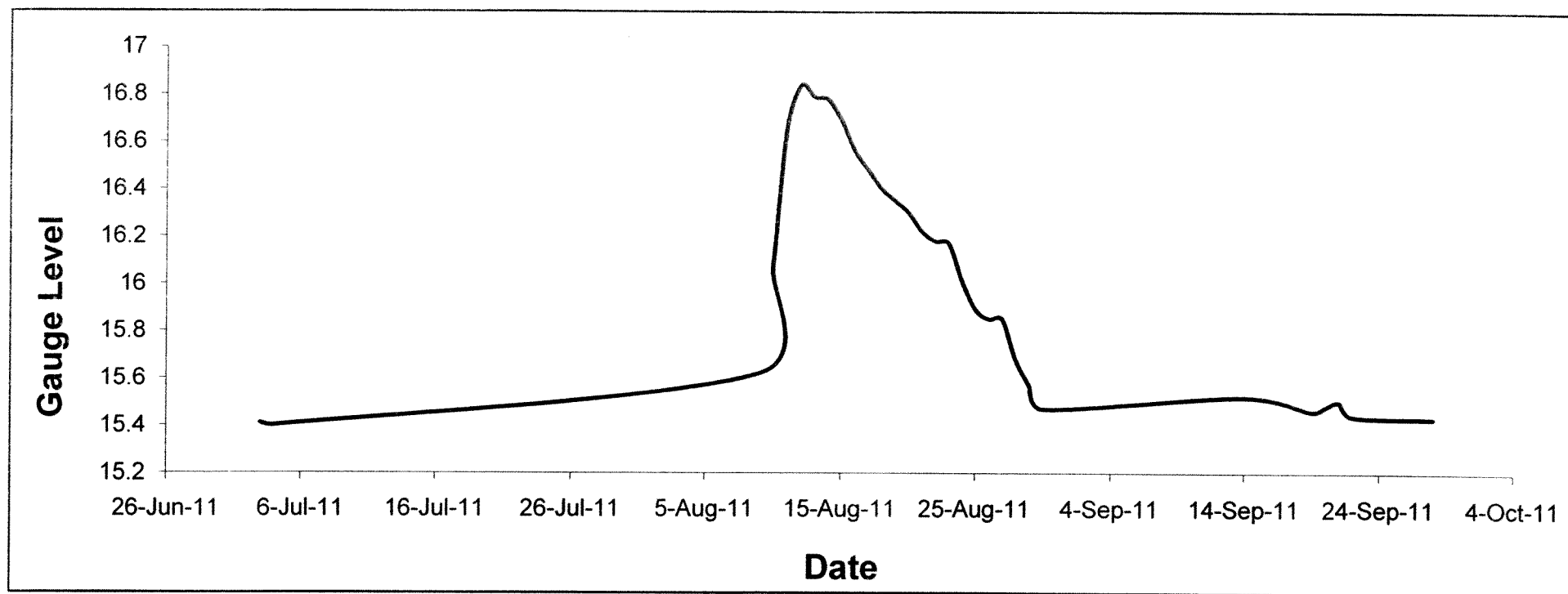
River-Bhagirothi-Hooghly

Gauge-Berhampore

Extreme Danger Level -17.83 metre

Danger level -17.22 metre

At 6.00 AM



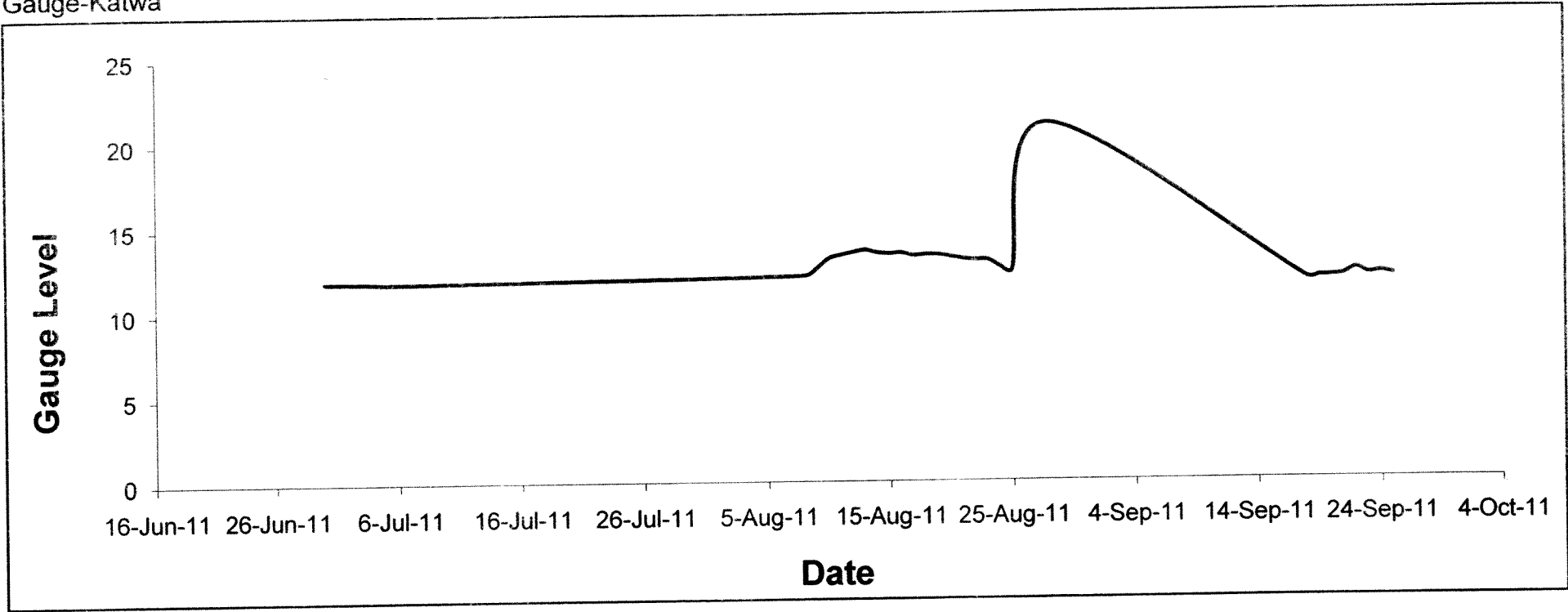
3-Jul	4-Jul	9-Aug	10-Aug	11-Aug	12-Aug	13-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug
15.41	15.40	15.62	16.07	16.66	16.84	16.79	16.78	16.69	16.56	16.48	16.40	16.35	16.30	16.22
22-Aug	23-Aug	24-Aug	25-Aug	26-Aug	27-Aug	28-Aug	29-Aug	30-Aug	14-Sep	19-Sep	20-Sep	21-Sep	22-Sep	28-Sep
16.18	16.17	16.01	15.89	15.85	15.85	15.68	15.57	15.47	15.52	15.46	15.48	15.50	15.44	15.43

Gauge Levels of important rivers during season of 2011

South Bengal River

River-Bhagirothi-Hooghly
Gauge-Katwa

Extreme Danger Level -14.32 metre
Danger level -13.71 metre
At 6.00 AM



30-Jun	4-Jul	5-Jul	8-Aug	9-Aug	10-Aug	11-Aug	12-Aug	13-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug
11.89	11.85	11.81	12.12	12.53	13.12	13.33	13.49	13.62	13.47	13.40	13.45	13.29	13.34	13.33
20-Aug	21-Aug	22-Aug	23-Aug	24-Aug	25-Aug	28-Aug	18-Sep	19-Sep	20-Sep	21-Sep	22-Sep	23-Sep	24-Sep	25-Sep
13.21	13.08	13.00	13.00	12.61	12.38	21.06	11.80	11.86	11.88	11.96	12.30	12.00	12.08	11.94

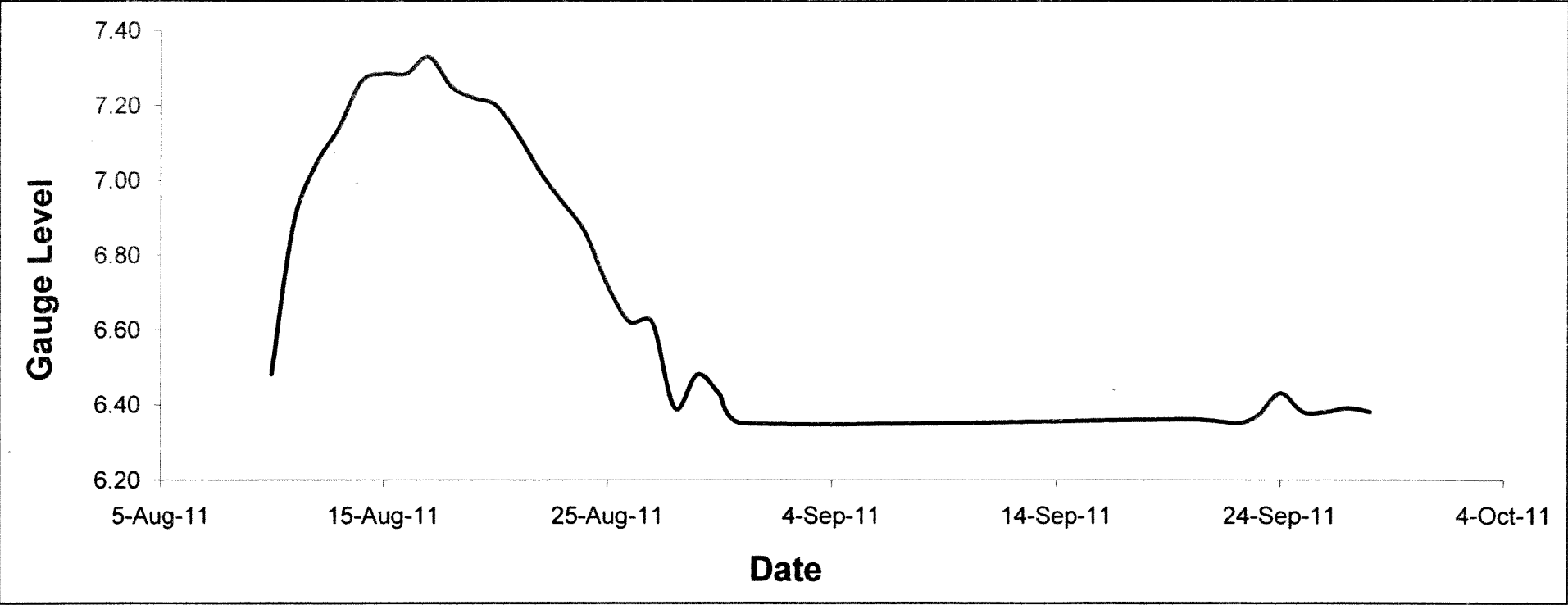
85-58

Gauge Levels of important rivers during season of 2011

South Bengal River

River-Bhagirothi-Hooghly
Gauge-Kalna

Extreme Danger Level -8.24 metre
Danger level -7.63 metre
At 6.00 AM



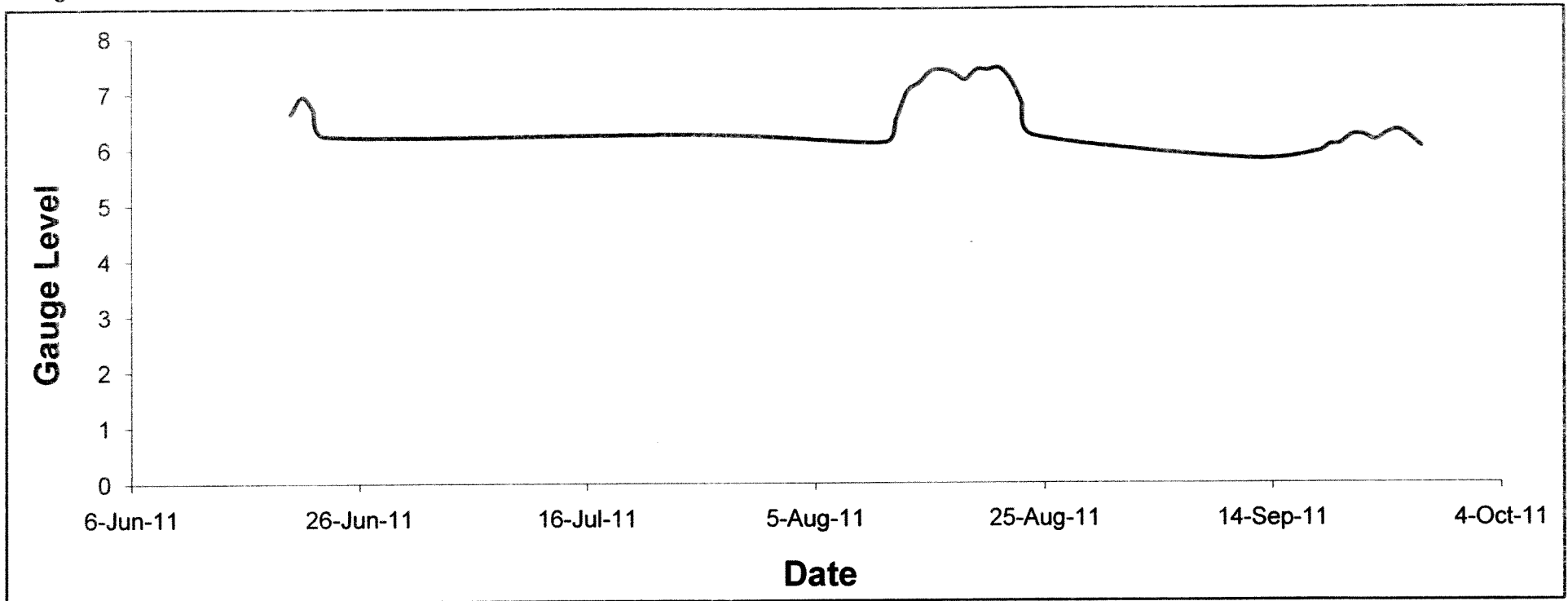
10-Aug	11-Aug	12-Aug	13-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	22-Aug	23-Aug	24-Aug
6.48	6.89	7.05	7.14	7.27	7.29	7.29	7.33	7.25	7.22	7.20	7.12	7.02	6.94	6.86
25-Aug	26-Aug	27-Aug	28-Aug	29-Aug	30-Aug	31-Aug	20-Sep	22-Sep	23-Sep	24-Sep	25-Sep	26-Sep	27-Sep	28-Sep
6.72	6.62	6.62	6.39	6.48	6.43	6.35	6.36	6.35	6.37	6.43	6.38	6.38	6.39	6.38

Gauge Levels of important rivers during season of 2011

South Bengal River

River-Rupnarayan
Gauge-Bandar

Extreme Danger Level -7.46 metre
Danger level -6.85 metre
At 6.00 AM



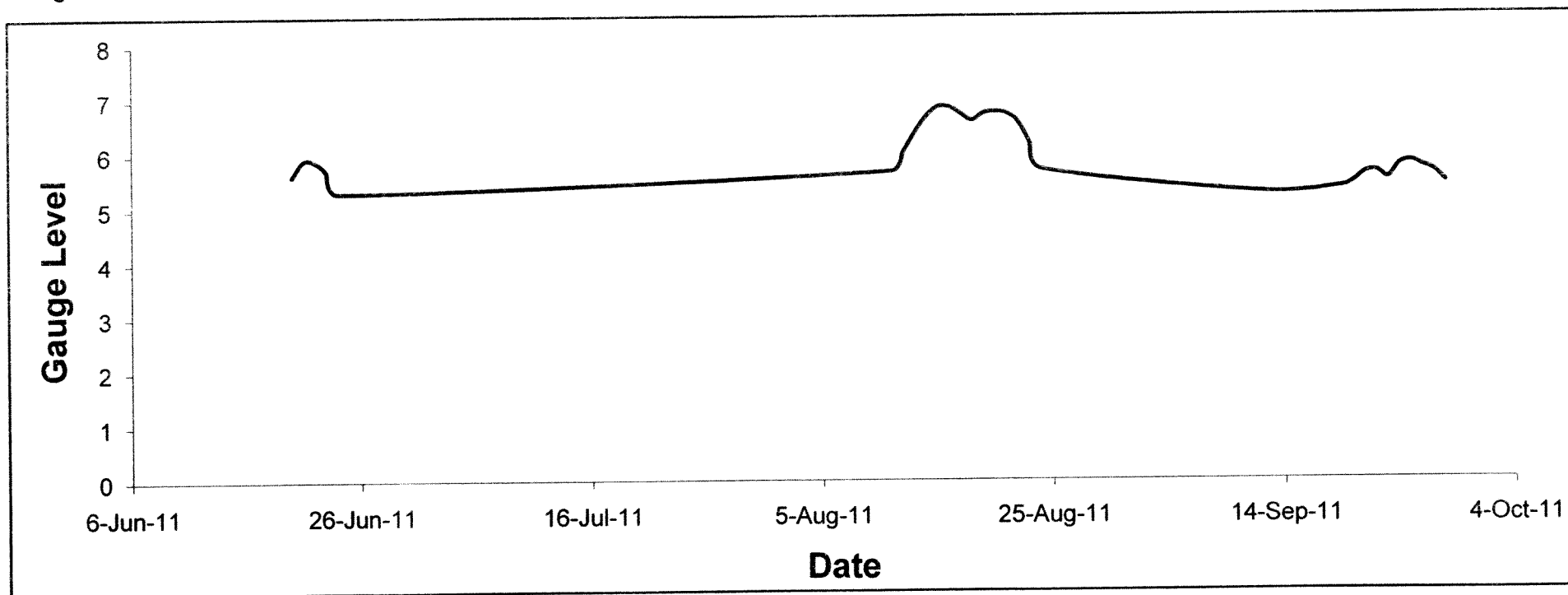
20-Jun	21-Jun	22-Jun	23-Jun	26-Jul	11-Aug	12-Aug	13-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug
6.64	6.95	6.70	6.24	6.26	6.12	6.52	7.04	7.19	7.40	7.43	7.37	7.25	7.43	7.43
21-Aug	22-Aug	23-Aug	24-Aug	12-Sep	18-Sep	19-Sep	20-Sep	21-Sep	22-Sep	23-Sep	24-Sep	25-Sep	26-Sep	27-Sep
7.46	7.25	6.82	6.24	5.82	5.94	6.06	6.09	6.24	6.24	6.15	6.27	6.33	6.21	6.03

Gauge Levels of important rivers during season of 2011

South Bengal River

River-Rupnarayana
Gauge-Ranichak

Extreme Danger Level -5.94 metre
Danger level -5.33 metre
At 6.00 AM



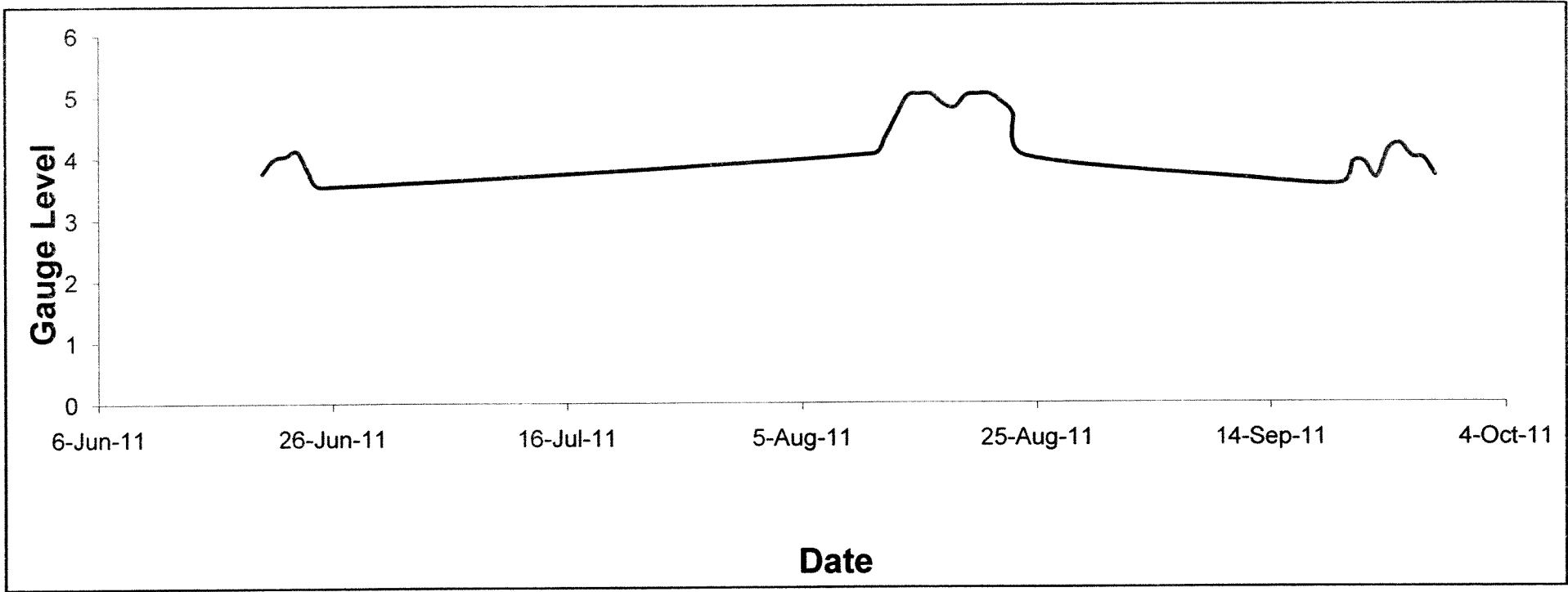
20-Jun	21-Jun	22-Jun	23-Jun	24-Jun	11-Aug	12-Aug	13-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug
5.61	5.91	5.88	5.70	5.30	5.67	6.00	6.36	6.66	6.85	6.85	6.73	6.60	6.73	6.76
21-Aug	22-Aug	23-Aug	24-Aug	12-Sep	19-Sep	20-Sep	21-Sep	22-Sep	23-Sep	24-Sep	25-Sep	26-Sep	27-Sep	28-Sep
6.73	6.57	6.18	5.70	5.27	5.36	5.45	5.61	5.64	5.51	5.76	5.82	5.73	5.64	5.44

Gauge Levels of important rivers during season of 2011

South Bengal River

River-Rupnarayana
Gauge-Gopiganj

Extreme Danger Level -5.64 metre
Danger level -5.03 metre
At 6.00 AM



20-Jun	21-Jun	22-Jun	23-Jun	24-Jun	25-Jun	11-Aug	12-Aug	13-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug
3.75	3.99	4.03	4.11	3.75	3.53	4.05	4.29	4.66	5.00	5.03	5.03	4.87	4.81	5.01
20-Aug	21-Aug	22-Aug	23-Aug	24-Aug	12-Sep	20-Sep	21-Sep	22-Sep	23-Sep	24-Sep	25-Sep	26-Sep	27-Sep	28-Sep
5.03	5.03	4.90	4.69	4.02	3.65	3.56	3.90	3.90	3.65	4.11	4.20	3.99	3.96	3.68

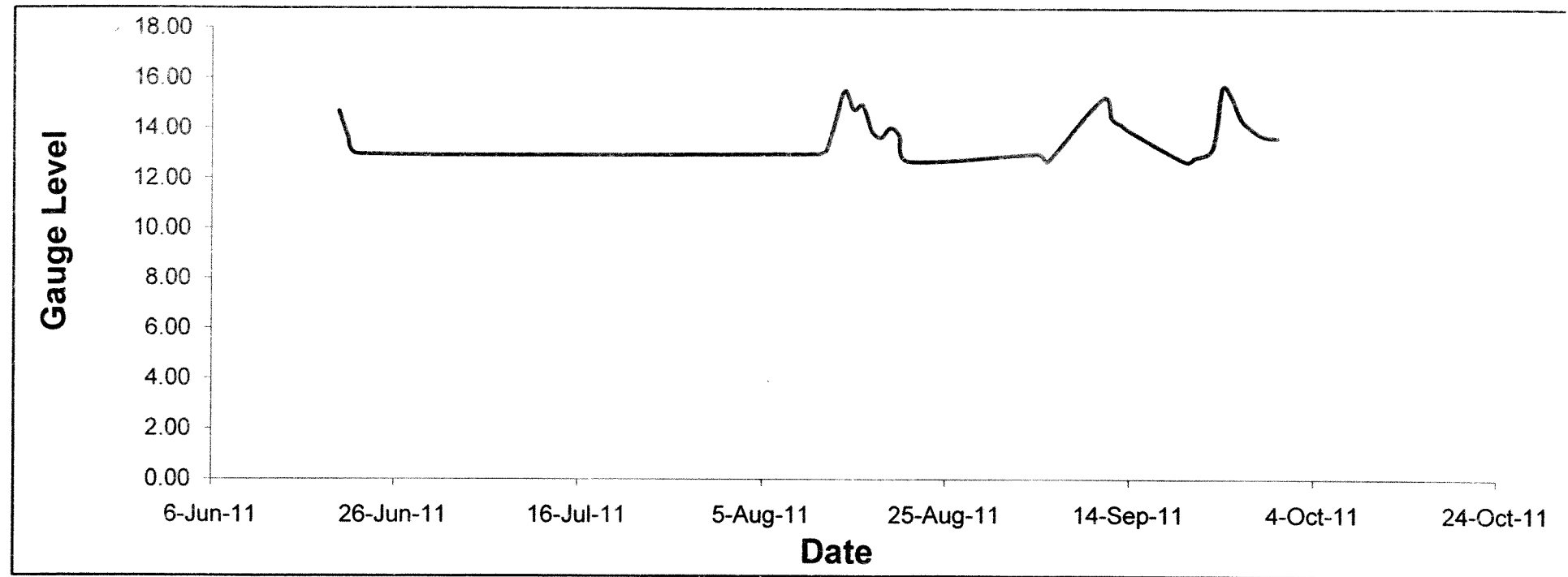
67-62

Gauge Levels of important rivers during season of 2011

South Bengal River

River-Subarnarekha
Gauge-Sonakonia

Extreme Danger Level -16.75 metre
Danger level -16.15 metre
At 6.00 AM



20-Jun	21-Jun	22-Jun	11-Aug	12-Aug	13-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	04-Sep
14.67	13.62	12.97	12.97	13.11	14.28	15.51	14.75	14.92	13.88	13.64	14.02	13.70	12.68	12.97
05-Sep	11-Sep	12-Sep	13-Sep	14-Sep	20-Sep	21-Sep	23-Sep	24-Sep	25-Sep	26-Sep	27-Sep	28-Sep	29-Sep	30-Sep
12.68	15.20	14.40	14.15	13.88	12.68	12.84	13.25	15.64	15.25	14.40	14.02	13.76	13.64	13.64

Gauge Levels of important rivers during season of 2011

South Bengal River/24 Parganas

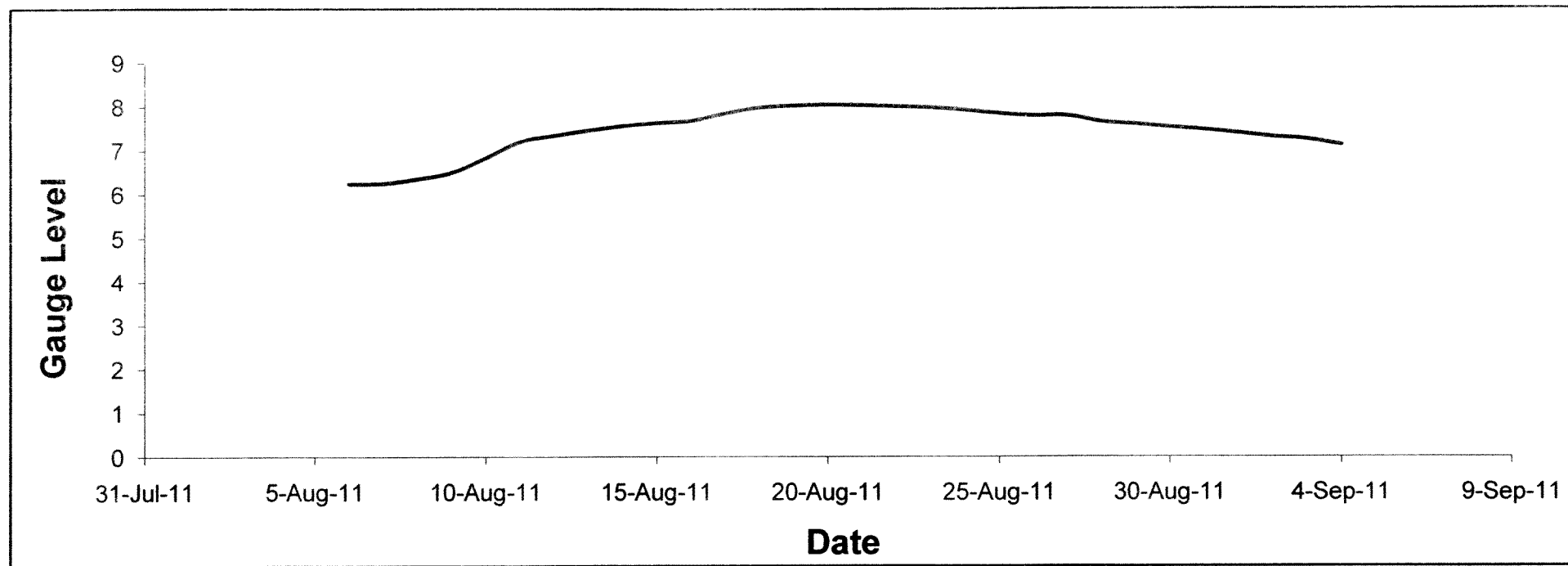
River-Ichmati

Gauge-Majdia

Extreme Danger Level -7.824 metre

Danger level -8.41 metre

At 6.00 AM



6-Aug	7-Aug	8-Aug	9-Aug	10-Aug	11-Aug	12-Aug	13-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug
6.24	6.25	6.35	6.50	6.83	7.20	7.34	7.46	7.56	7.63	7.68	7.85	7.99	8.04	8.06
21-Aug	22-Aug	23-Aug	24-Aug	25-Aug	26-Aug	27-Aug	28-Aug	29-Aug	30-Aug	31-Aug	01-Sep	02-Sep	03-Sep	04-Sep
8.05	8.02	7.99	7.93	7.85	7.80	7.80	7.66	7.60	7.53	7.47	7.39	7.31	7.25	7.12

Gauge Levels of important rivers during season of 2011

South Bengal River/24 Parganas

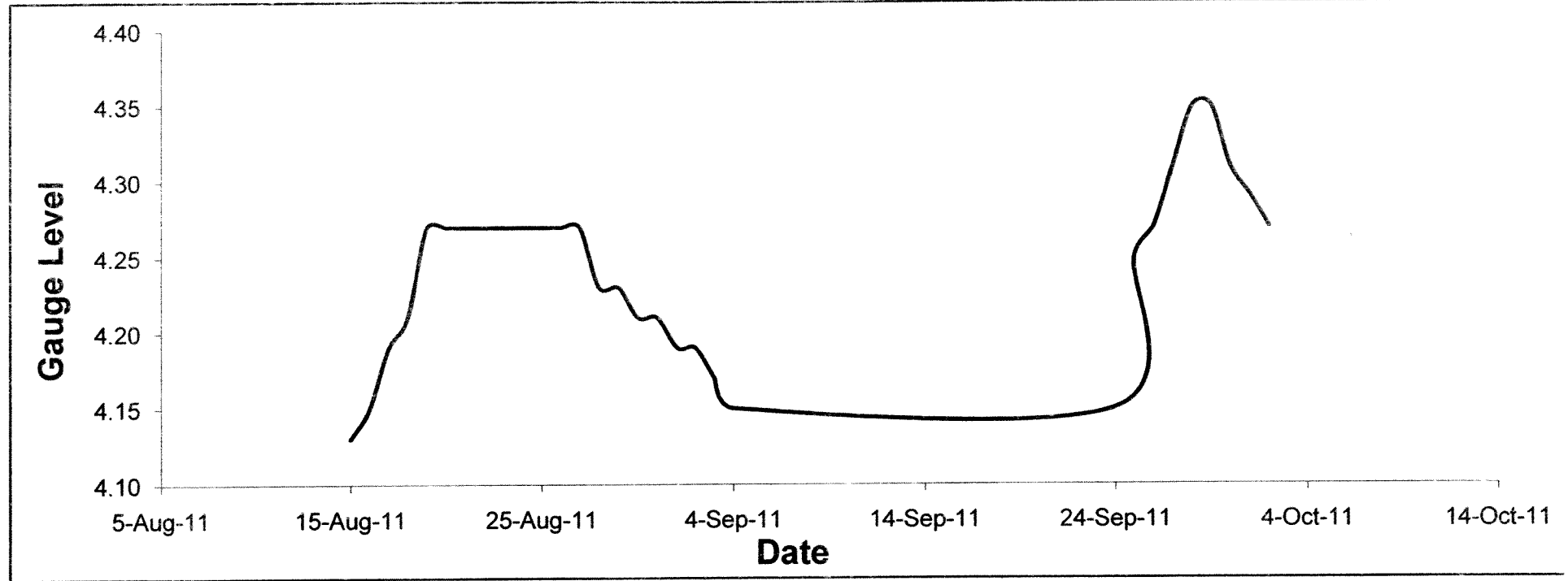
River-Ichmati

Gauge-Bongaon

Extreme Danger Level -5.675 metre

Danger level -5.075 metre

At 6.00 AM



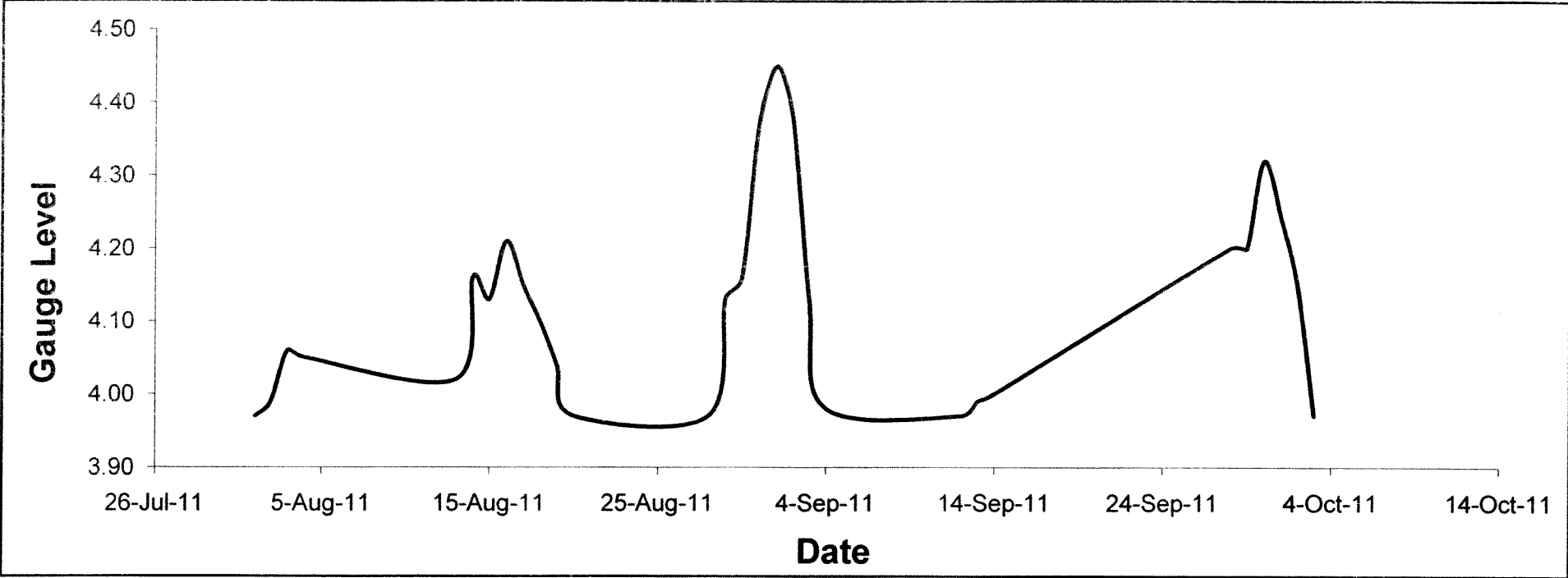
15-Aug	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	22-Aug	23-Aug	24-Aug	25-Aug	26-Aug	27-Aug	28-Aug	29-Aug
4.13	4.15	4.19	4.21	4.27	4.27	4.27	4.27	4.27	4.27	4.27	4.27	4.27	4.23	4.23
30-Aug	31-Aug	01-Sep	02-Sep	03-Sep	04-Sep	24-Sep	25-Sep	26-Sep	27-Sep	28-Sep	29-Sep	30-Sep	01-Oct	02-Oct
4.21	4.21	4.19	4.19	4.17	4.15	4.15	4.25	4.27	4.31	4.35	4.35	4.31	4.29	4.27

Gauge Levels of important rivers during season of 2011

South Bengal River/24 Parganas

River-Ichmati
Gauge-Tentulia

High level -5.10 metre in the year 2000



1-Aug	2-Aug	3-Aug	4-Aug	13-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	28-Aug	29-Aug	30-Aug
3.97	3.99	4.06	4.05	4.02	4.16	4.13	4.21	4.15	4.10	4.04	3.97	3.97	4.13	4.16
31-Aug	01-Sep	02-Sep	03-Sep	04-Sep	12-Sep	13-Sep	14-Sep	28-Sep	29-Sep	30-Sep	01-Oct	02-Oct	03-Oct	04-Oct
4.37	4.45	4.38	4.13	3.98	3.97	3.99	4.00	4.20	4.20	4.32	4.24	4.15	3.97	3.97

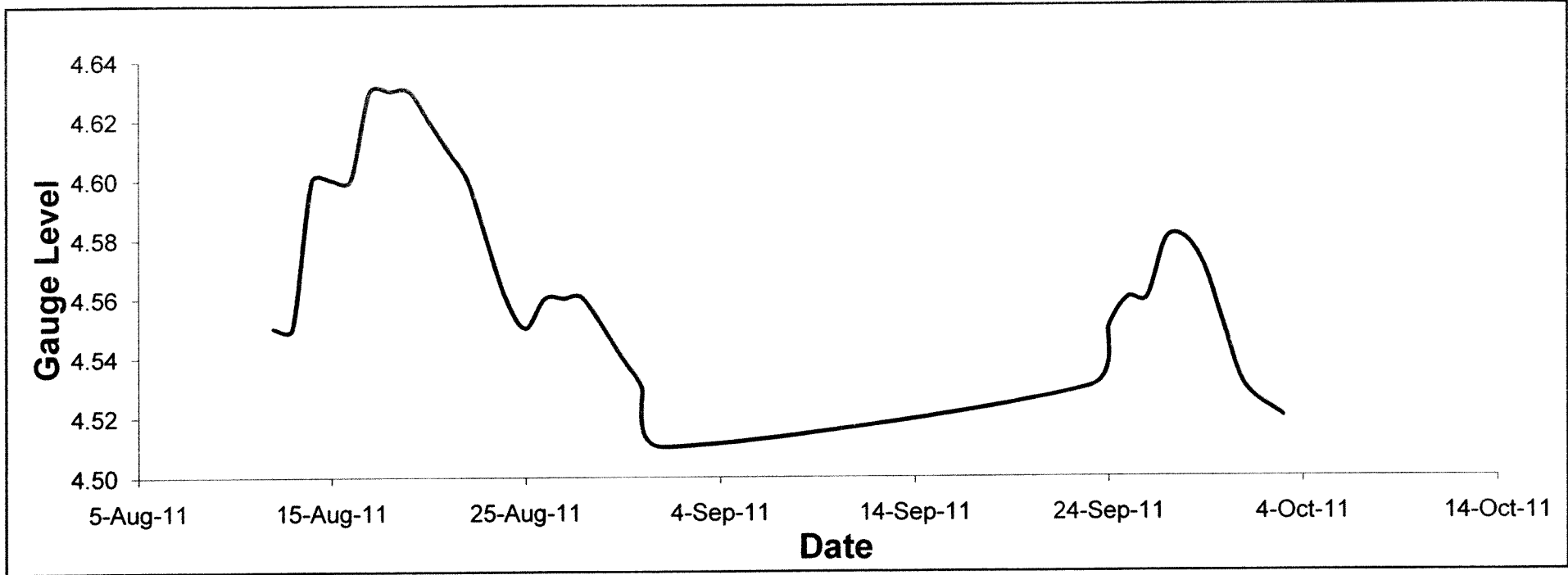
Gauge Levels of important rivers during season of 2011

South Bengal River

River-Jamuna

Gauge-Gaighata

Extreme Danger Level -4.5 metre
Danger level -3.9 metre
At 6.00 AM



12-Aug	13-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	22-Aug	23-Aug	24-Aug	25-Aug	26-Aug
4.55	4.55	4.60	4.60	4.60	4.63	4.63	4.63	4.62	4.61	4.60	4.58	4.56	4.55	4.56
27-Aug	28-Aug	30-Aug	31-Aug	01-Sep	23-Sep	24-Sep	25-Sep	26-Sep	27-Sep	28-Sep	29-Sep	30-Sep	01-Oct	03-Oct
4.56	4.56	4.54	4.53	4.51	4.53	4.55	4.56	4.56	4.58	4.58	4.57	4.55	4.53	4.52

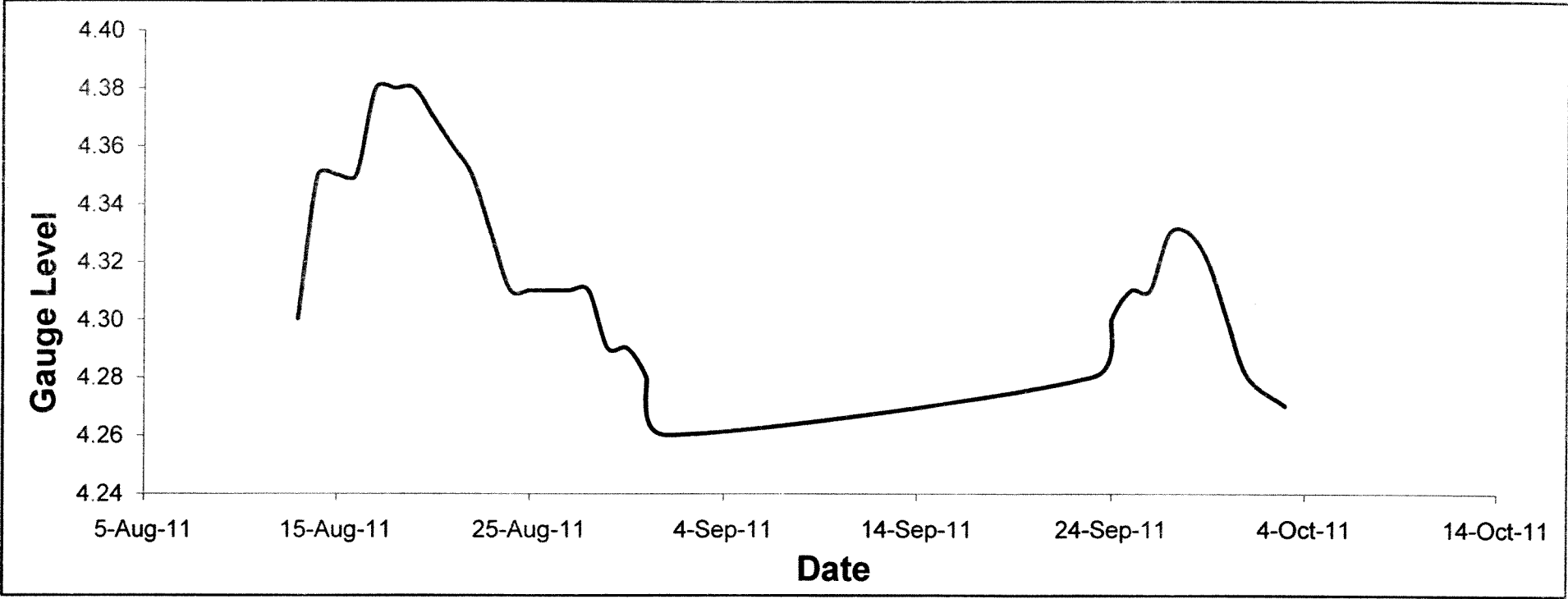
Gauge Levels of important rivers during season of 2011

South Bengal River

River-Jamuna

Gauge-Gobardanga

Extreme Danger Level -4.37 metre
Danger level -3.77 metre
At 6.00 AM



13-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	22-Aug	23-Aug	24-Aug	25-Aug	26-Aug	27-Aug
4.30	4.35	4.35	4.35	4.38	4.38	4.38	4.37	4.36	4.35	4.33	4.31	4.31	4.31	4.31
28-Aug	29-Aug	30-Aug	31-Aug	01-Sep	23-Sep	24-Sep	25-Sep	26-Sep	27-Sep	28-Sep	29-Sep	30-Sep	01-Oct	03-Oct
4.31	4.29	4.29	4.28	4.26	4.28	4.30	4.31	4.31	4.33	4.33	4.32	4.30	4.28	4.27

Gauge Levels of important rivers during season of 2011

South Bengal River

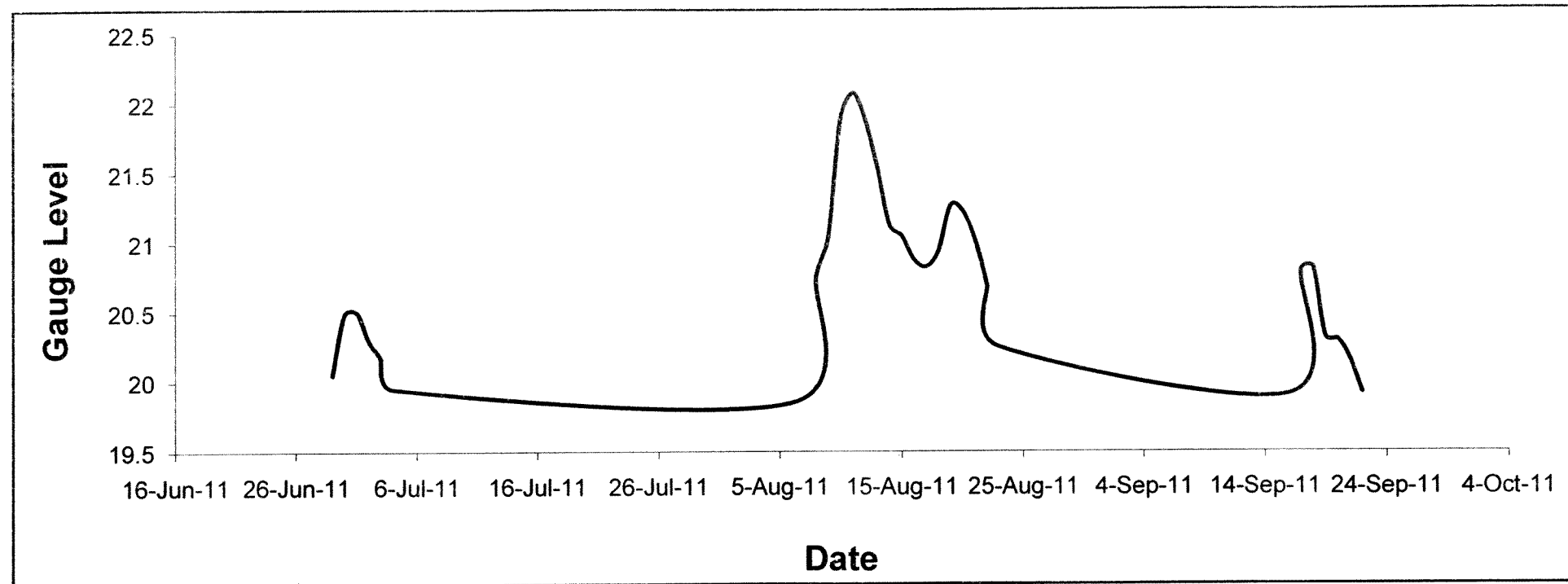
River-Kuia

Gauge-Tarapur

Extreme Danger Level -23.35 metre

Danger level -22.71 metre

At 6.00 AM



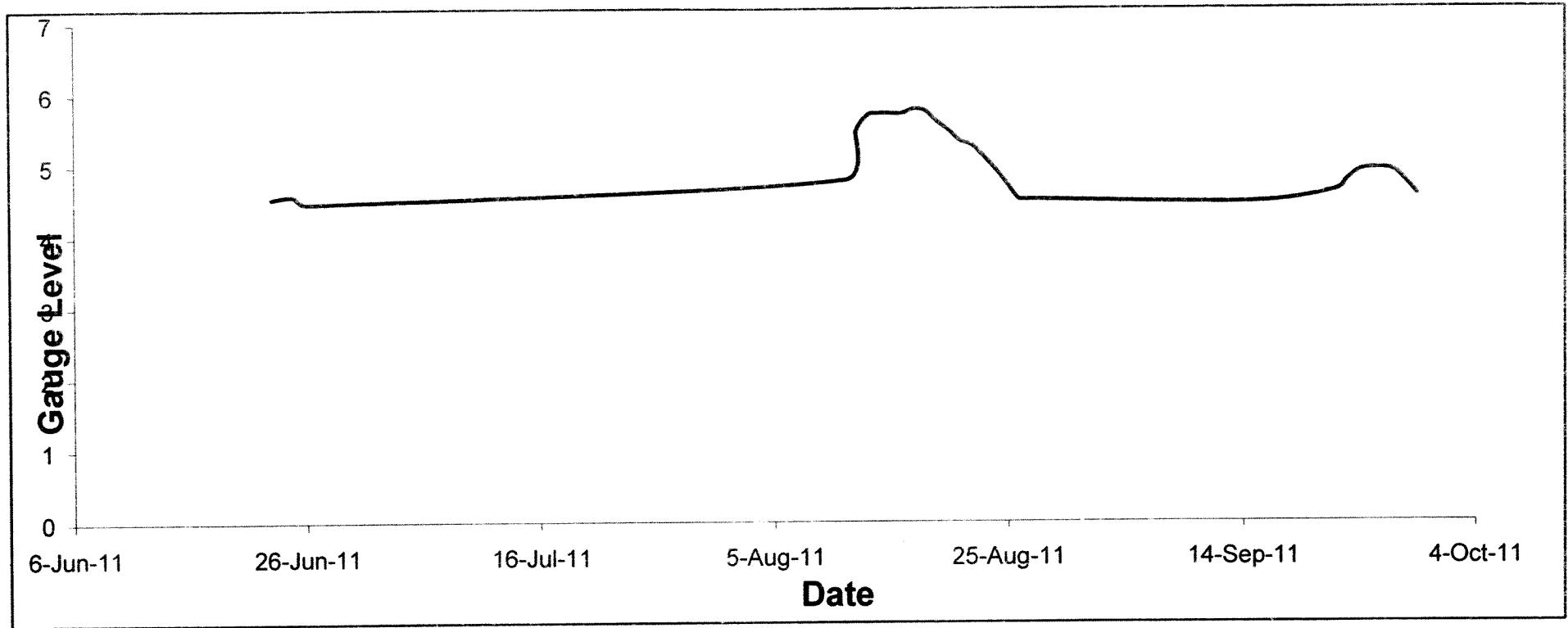
29-Jun	30-Jun	1-Jul	2-Jul	3-Jul	4-Jul	6-Aug	8-Aug	9-Aug	10-Aug	11-Aug	12-Aug	13-Aug	14-Aug	15-Aug
20.05	20.49	20.50	20.30	20.17	19.95	19.85	20.76	21.05	21.89	22.08	21.90	21.55	21.13	21.05
16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	22-Aug	23-Aug	16-Sep	17-Sep	18-Sep	19-Sep	20-Sep	21-Sep	22-Sep
20.88	20.83	20.94	21.27	21.23	21.03	20.70	20.25	19.91	20.80	20.82	20.32	20.30	20.16	19.92

Gauge Levels of important rivers during season of 2011

South Bengal River

River-Chandia
Gauge-Barisha

Extreme Danger Level -5.00 metre
Danger level -4.55 metre
At 6.00 AM



23-Jun	24-Jun	25-Jun	26-Jun	11-Aug	12-Aug	13-Aug	14-Aug	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug
4.54	4.57	4.57	4.47	4.78	5.45	5.69	5.72	5.72	5.72	5.78	5.75	5.60	5.48	5.33
22-Aug	23-Aug	24-Aug	25-Aug	26-Aug	27-Aug	15-Sep	22-Sep	23-Sep	24-Sep	25-Sep	26-Sep	27-Sep	28-Sep	29-Sep
5.27	5.11	4.93	4.72	4.51	4.51	4.47	4.63	4.78	4.90	4.93	4.93	4.90	4.75	4.57

DURGAPUR BARRAGE
READING TIME 6.00 A.M.
CONSERVATION LEVEL-64.46M /211.5FT

DATE	LEVEL	INFLOW IN CUSEC	OUTFLOW IN CUSEC
1-Jun-11	N.A.	N.A.	N.A.
2-Jun-11	NA	N.A.	N.A.
3-Jun-11	211.94	8553.70	8553.70
4-Jun-11	NA	NA	NA
5-Jun-11	NA	NA	NA
6-Jun-11	NA	NA	NA
7-Jun-11	N.A.	999.38	499.69
8-Jun-11	N.A.	999.38	499.70
9-Jun-11	N.A.	212.50	1074.35
10-Jun-11	N.A.	N.A.	N.A.
11-Jun-11	N.A.	549.81	1.416
12-Jun-11	N.A.	N.A.	N.A.
13-Jun-11	N.A.	92.89	N.A.
14-Jun-11	N.A.	92.89	499.69
15-Jun-11	N.A.	999.38	499.69
16-Jun-11	N.A.	999.38	499.69
17-Jun-11	211.94	999.38	499.69
18-Jun-11	211.74	2648.37	2648.37
19-Jun-11	211.76	9094.76	9094.76
20-Jun-11	211.65	20686.28	20686.28
21-Jun-11	210.94	37395.39	37395
22-Jun-11	210.94	44474.25	44474.25
23-Jun-11	210.94	36319.81	36319.81
24-Jun-11	210.94	26264.32	25764.05
25-Jun-11	211.50	17109.33	17109.3
26-Jun-11	211.45	18184.92	18184.92
27-Jun-11	211.40	26389.39	26389.4
28-Jun-11	211.25	26899.48	27023.71
29-Jun-11	211.45	24163.18	24163.18
30-Jun-11	210.94	37470.43	36970.16
1-Jul-11	210.94	37020.19	36519.91
2-Jul-11	210.94	32817.90	32317.62
3-Jul-11	211.25	21511.73	21511.73
4-Jul-11	211.25	23662.90	23662.90
5-Jul-11	210.94	34768.96	34768.96
6-Jul-11	210.94	26489.44	26489.44
7-Jul-11	210.94	26489.44	26489.44
8-Jul-11	211.45	17109.33	17109.33
9-Jul-11	210.94	26489.44	26489.4
10-Jul-11	210.94	26489.44	17109.3
11-Jul-11	211.45	8379.57	8379.57
12-Jul-11	211.45	4802.62	4802.62
13-Jul-11	211.45	5878.2	5878.21
14-Jul-11	211.45	5878.21	5377.93
15-Jul-11	211.45	2651.45	2151.17
16-Jul-11	211.45	4802.62	5377.93
17-Jul-11	211.45	5878.21	5377.93
18-Jul-11	211.45	2651.45	2651.45
19-Jul-11	211.45	2651.45	2151.17
20-Jul-11	211.45	2651.45	2675.39
21-Jul-11	211.45	6378.48	6378.48

DURGAPUR BARRAGE
READING TIME 6.00 A.M.
CONSERVATION LEVEL-64.46M /211.5FT

22-Jul-11	211.45	13907.58	13907.58
23-Jul-11	211.45	19710.92	19710.92
24-Jul-11	211.45	13907.58	19705.32
25-Jul-11	211.45	19710.92	19710.92
26-Jul-11	211.45	12957.07	6453.52
27-Jul-11	211.45	7554.12	50.03
28-Jul-11	211.45	7704.20	50.03
29-Jul-11	211.45	7053.85	50.03
30-Jul-11	211.45	7854.28	7854.28
31-Jul-11	211.45	7053.85	6453.52
1-Aug-11	211.45	9405.13	2151.17
2-Aug-11	211.45	9705.29	2151.17
3-Aug-11	211.45	9079.95	1075.59
4-Aug-11	211.45	9905.40	243.07
5-Aug-11	211.45	14958.16	6453.52
6-Aug-11	211.45	15558.48	15558.48
7-Aug-11	NA	NA	NA
8-Aug-11	211.25	32716.99	32716.99
9-Aug-11	210.44	59340.27	58839.29
10-Aug-11	209.95	88123.05	87622.78
11-Aug-11	209.95	90973.69	90473.06
12-Aug-11	209.95	96702.73	96353.00
13-Aug-11	209.95	142520.69	142520.69
14-Aug-11	209.44	137601.02	139524.09
15-Aug-11	209.94	13920.20	139721.80
16-Aug-11	209.95	85796.79	85296.51
17-Aug-11	209.44	88326.13	82442.56
18-Aug-11	209.44	110934.43	110934.43
19-Aug-11	209.43	107258.49	107258.56
20-Aug-11	209.43	107403.2	107403.20
21-Aug-11	209.95	79368.28	79368.28
22-Aug-11	210.94	38445.96	38445.96
23-Aug-11	210.94	27476.95	27476.95
24-Aug-11	211.45	20986.02	18371.6
25-Aug-11	211.45	16566.52	9780.33
26-Aug-11	210.94	58631.97	58647.8
27-Aug-11	210.94	58631.97	58647.8
28-Aug-11	210.94	32117.51	25814.08
29-Aug-11	211.45	21361.65	15058.21
30-Aug-11	211.45	18059.85	10755.87
31-Aug-11	211.45	21711.84	12905.34
1-Sep-11	211.45	14182.73	5377.93
2-Sep-11	211.40	13207.2	4302.30
3-Sep-11	211.40	14783.1	5395.60
4-Sep-11	211.40	15858.6	6454.00
5-Sep-11	211.40	14783.1	5378.00
6-Sep-11	211.40	15858.6	6454.00
7-Sep-11	211.40	11909.6	2151.00
8-Sep-11	211.40	12631.9	3227.00
9-Sep-11	211.40	15858.60	6454.00
10-Sep-11	211.40	43809.20	34419.00
11-Sep-11	210.90	73690.20	64285.00

DURGAPUR BARRAGE
READING TIME 6.00 A.M.
CONSERVATION LEVEL-64.46M /211.5FT

12-Sep-11	211.40	20443.10	8605.00
13-Sep-11	211.40	17609.60	17574.00
14-Sep-11	211.40	23237.70	14216.00
15-Sep-11	211.40	20586.20	14066.00
16-Sep-11	211.40	24763.50	19238.00
17-Sep-11	211.40	24763.50	19238.00
18-Sep-11	211.40	24763.50	19203.00
19-Sep-11	211.40	35222.60	30231.00
20-Sep-11	210.40	67036.60	62961.00
21-Sep-11	210.90	41372.60	37327.00
22-Sep-11	210.90	48770.00	44772.00
23-Sep-11	209.90	89045.20	85048.00
24-Sep-11	210.40	68376.90	64379.00
25-Sep-11	210.40	62980.20	59982.00
26-Sep-11	210.40	61269.30	58877.00
27-Sep-11	210.90	26933.40	22436.00
28-Sep-11	211.40	19438.00	14941.00
29-Sep-11	211.40	20537.40	15041.00
30-Sep-11	211.40	9719.00	3223.00
1-Oct-11	211.40	11293.00	4297.00
2-Oct-11	211.40	2548.40	2548.00
3-Oct-11	211.40	1549.00	1549.00
4-Oct-11	211.40	1549.00	50.00
5-Oct-11	211.40	1926.50	50.00
6-Oct-11	210.90	2102.60	50.00
7-Oct-11	210.90	2616.40	50.00
8-Oct-11	210.90	3607.80	50.00
9-Oct-11	210.90	3088.10	4048.00
10-Oct-11	211.40	8045.00	50.00
11-Oct-11	211.40	6845.80	50.00
12-Oct-11	211.40	8344.90	50.00
13-Oct-11	211.40	7320.90	50.00

PANCHET DAM
READING TIME 6.00 A.M.
CONSERVATION LEVEL-124.97M /410.0 FT

DATE	LEVEL	INFLOW IN CUSEC	OUTFLOW IN CUSEC
1-Jun-11	N.A.	N.A.	N.A.
2-Jun-11	NA	N.A.	N.A.
3-Jun-11	NA	NA	NA
4-Jun-11	NA	NA	NA
5-Jun-11	NA	NA	NA
6-Jun-11	NA	NA	NA
7-Jun-11	N.A.	N.A.	N.A.
8-Jun-11	N.A.	N.A.	N.A.
9-Jun-11	N.A.	N.A.	N.A.
10-Jun-11	N.A.	N.A.	N.A.
11-Jun-11	N.A.	N.A.	N.A.
12-Jun-11	N.A.	N.A.	N.A.
13-Jun-11	N.A.	N.A.	N.A.
14-Jun-11	N.A.	N.A.	N.A.
15-Jun-11	N.A.	N.A.	N.A.
16-Jun-11	N.A.	N.A.	N.A.
17-Jun-11	399.31	4356.22	159.51
18-Jun-11	397.70	2752.54	NA
19-Jun-11	398.85	35254.01	NA
20-Jun-11	411.28	77831.99	15121.24
21-Jun-11	412.98	39180.97	32786.24
22-Jun-11	412.79	25967.55	32291.62
23-Jun-11	410.98	7313.31	32609.59
24-Jun-11	409.02	8799.61	21317.25
25-Jun-11	408.22	4946.20	13178.09
26-Jun-11	407.21	10175.04	13142.76
27-Jun-11	407.91	13178.09	13178.09
28-Jun-11	408.39	13357.07	12218.74
29-Jun-11	410.20	23123.04	12157.30
30-Jun-11	410.33	23020.64	22160.74
1-Jul-11	409.31	19986.46	26341.52
2-Jul-11	407.93	11309.49	19449.17
3-Jul-11	407.41	1052.48	1609.28
4-Jul-11	406.00	4168.94	13319.41
5-Jul-11	405.93	14626.62	13142.76
6-Jul-11	406.39	13142.76	13142.76
7-Jul-11	405.64	7136.66	13142.76
8-Jul-11	406.16	7701.94	1625.18
9-Jul-11	405.64	13142.76	13142.76
10-Jul-11	406.39	13142.76	1625.18
11-Jul-11	405.34	2261.12	777.26
12-Jul-11	405.01	777.26	777.26
13-Jul-11	405.21	1483.86	NA
14-Jul-11	405.67	1519.19	NA
15-Jul-11	405.97	1519.19	NA
16-Jul-11	406.56	777.26	NA
17-Jul-11	405.67	1519.19	NA
18-Jul-11	406.56	1554.52	NA
19-Jul-11	406.82	1445.46	NA
20-Jul-11	406.56	1554.52	NA
21-Jul-11	407.80	8373.21	6781.44

PANCHET DAM
READING TIME 6.00 A.M.
CONSERVATION LEVEL-124.97M /410.0 FT

DATE	LEVEL	INFLOW IN CUSEC	OUTFLOW IN CUSEC
22-Jul-11	407.70	11800.22	13425.40
23-Jul-11	406.06	7560.62	13672.71
24-Jul-11	406.56	11800.22	13425.40
25-Jul-11	406.06	7560.62	13672.71
26-Jul-11	406.56	6182.75	0.00
27-Jul-11	406.26	5334.83	741.93
28-Jul-11	405.87	3259.40	5372.28
29-Jul-11	405.11	1269.37	5228.84
30-Jul-11	404.95	5794.12	0.00
31-Jul-11	405.11	1269.37	0.00
1-Aug-11	404.03	3128.40	5249.47
2-Aug-11	1325.22	6076.62	6072.52
3-Aug-11	404.36	7701.94	6072.49
4-Aug-11	404.95	9073.80	6084.89
5-Aug-11	405.70	10273.72	6309.94
6-Aug-11	406.62	17982.97	13319.41
7-Aug-11	NA	NA	NA
8-Aug-11	407.70	16251.80	19502.16
9-Aug-11	410.85	39727.24	18188.87
10-Aug-11	416.40	90747.79	50594.68
11-Aug-11	415.90	42279.41	58559.48
12-Aug-11	419.84	171597.81	73251.24
13-Aug-11	419.81	88219.01	98146.74

KANGSABATI DAM
READING TIME 6.00 A.M.
CONSERVATION LEVEL-134.11 M /440.0 FT

DATE	LEVEL	INFLOW IN CUSEC	OUTFLOW IN CUSEC
1-Jun-11	N.A.	N.A.	N.A.
2-Jun-11	NA	N.A.	N.A.
3-Jun-11	NA	NA	NA
4-Jun-11	NA	NA	NA
5-Jun-11	NA	NA	NA
6-Jun-11	NA	NA	NA
7-Jun-11	N.A.	N.A.	N.A.
8-Jun-11	N.A.	N.A.	N.A.
9-Jun-11	N.A.	N.A.	N.A.
10-Jun-11	N.A.	N.A.	N.A.
11-Jun-11	N.A.	N.A.	N.A.
12-Jun-11	403.25	N.A.	N.A.
13-Jun-11	N.A.	N.A.	N.A.
14-Jun-11	N.A.	N.A.	N.A.
15-Jun-11	403.14	N.A.	N.A.
16-Jun-11	N.A.	N.A.	N.A.
17-Jun-11	403.14	N.A.	N.A.
18-Jun-11	404.78	5558.37	N.A.
19-Jun-11	414.13	46459.78	N.A.
20-Jun-11	419.28	16117.90	N.A.
21-Jun-11	420.79	3739.68	N.A.
22-Jun-11	421.25	4243.13	N.A.
23-Jun-11	421.55	2804.50	N.A.
24-Jun-11	421.74	188.88	N.A.
25-Jun-11	421.97	701.30	N.A.
26-Jun-11	422.04	1869.66	N.A.
27-Jun-11	423.09	22437.73	N.A.
28-Jun-11	425.15	19359.78	N.A.
29-Jun-11	426.53	11218.69	N.A.
30-Jun-11	427.65	10387.83	N.A.
1-Jul-11	427.97	3305.12	N.A.
2-Jul-11	428.30	2628.41	N.A.
3-Jul-11	428.60	2804.50	N.A.
4-Jul-11	429.09	5608.99	N.A.
5-Jul-11	429.58	5608.99	N.A.
6-Jul-11	429.98	4879.78	N.A.
7-Jul-11	430.24	2927.80	N.A.
8-Jul-11	430.50	3659.83	N.A.
9-Jul-11	430.24	4879.78	N.A.
10-Jul-11	429.98	4879.78	N.A.
11-Jul-11	431.02	609.80	N.A.
12-Jul-11	431.09	NA	N.A.
13-Jul-11	431.16	609.8	N.A.
14-Jul-11	431.19	609.80	N.A.
15-Jul-11	431.22	609.80	N.A.
16-Jul-11	431.39	NA	N.A.
17-Jul-11	431.19	609.80	N.A.
18-Jul-11	431.39	609.80	N.A.
19-Jul-11	431.45	615.98	N.A.
20-Jul-11	431.39	609.80	N.A.
21-Jul-11	430.63	1275.41	6155.19
22-Jul-11	431.39	29277.97	N.A.
23-Jul-11	434.34	4784.14	6016.03
24-Jul-11	433.98	29277.97	N.A.
25-Jul-11	434.34	4784.14	6016.03

KANGSABATI DAM
READING TIME 6.00 A.M.
CONSERVATION LEVEL-134.11 M /440.0 FT

DATE	LEVEL	INFLOW IN CUSEC	OUTFLOW IN CUSEC
26-Jul-11	433.98	2728.08	7041.23
27-Jul-11	433.58	1414.83	6344.42
28-Jul-11	433.22	1611.37	5372.28
29-Jul-11	432.73	572.49	6734.07
30-Jul-11	432.17	892.79	6426.53
31-Jul-11	432.73	572.49	7041.23
1-Aug-11	431.19	NA	6131.73
2-Aug-11	431.19	2349.62	6662.28
3-Aug-11	430.70	5379.35	7228.20
4-Aug-11	430.60	6107.85	7339.81
5-Aug-11	430.30	3599.07	7296.35
6-Aug-11	429.78	1584.20	7193.54
7-Aug-11	429.78	1584.20	7193.54
8-Aug-11	429.78	10966.43	7227.10
9-Aug-11	432.17	34449.58	5162.07
10-Aug-11	433.39	18424.52	3636.09
11-Aug-11	433.75	9623.89	0.00
12-Aug-11	435.22	36015.40	6290.61
13-Aug-11	435.22	26645.53	26645.53
14-Aug-11	434.70	33257.19	36240.52
15-Aug-11	434.70	33257.19	36240.52
16-Aug-11	429.61	4463.59	13706.27
17-Aug-11	432.80	10173.27	8559.40
18-Aug-11	432.60	15003.24	15003.24
19-Aug-11	432.40	12845.99	14943.53
20-Aug-11	432.73	18722.07	20281.89
21-Aug-11	432.50	9007.74	5347.90
22-Aug-11	432.60	4153.04	5372.99
23-Aug-11	432.80	4879.78	0.00
24-Aug-11	432.99	1236.55	0.00
25-Aug-11	433.39	4929.13	0.00
26-Aug-11	433.75	2927.80	0.00
27-Aug-11	433.75	2927.80	0.00
28-Aug-11	434.34	4879.78	0.00
29-Aug-11	434.63	3696.74	0.00
30-Aug-11	434.93	3696.74	0.00
31-Aug-11	435.12	2464.83	0.00
1-Sep-11	435.29	1848.37	0.00
2-Sep-11	435.60	5900.10	0.00
3-Sep-11	435.60	6367.50	0.00
4-Sep-11	435.60	6367.50	0.00
5-Sep-11	435.60	5391.70	6368.00
6-Sep-11	435.60	5929.10	0.00
7-Sep-11	435.40	4991.80	0.00
8-Sep-11	435.40	6618.40	0.00
9-Sep-11	435.50	9404.10	0.00
10-Sep-11	436.80	61567.80	40653.00
11-Sep-11	435.20	14263.40	25059.00
12-Sep-11	433.90	9576.50	5237.00
13-Sep-11	433.80	5799.40	0.00
14-Sep-11	433.70	5261.70	0.00
15-Sep-11	433.60	5776.10	0.00
16-Sep-11	433.70	6749.10	0.00
17-Sep-11	434.10	13102.50	0.00
18-Sep-11	434.20	10882.00	3775.00
19-Sep-11	434.10	6315.90	20931.00
20-Sep-11	434.00	18627.00	25917.00
21-Sep-11	433.70	9398.10	11612.00

KANGSABATI DAM
READING TIME 6.00 A.M.
CONSERVATION LEVEL-134.11 M /440.0 FT

DATE	LEVEL	INFLOW IN CUSEC	OUTFLOW IN CUSEC
22-Sep-11	433.30	5080.60	15223.00
23-Sep-11	433.50	31599.50	15550.00
24-Sep-11	434.20	25382.00	21625.00
25-Sep-11	433.70	12467.30	15631.00
26-Sep-11	434.00	8890.70	0.00
27-Sep-11	434.10	5657.20	0.00
28-Sep-11	434.10	4046.80	0.00
29-Sep-11	434.10	3264.40	0.00
30-Sep-11	434.10	2532.60	0.00
1-Oct-11	434.10	2481.50	0.00
2-Oct-11	434.00	1859.50	0.00
3-Oct-11	434.10	860.00	0.00
4-Oct-11	434.10	609.90	0.00
5-Oct-11	434.20	609.90	0.00
6-Oct-11	434.20	0.00	0.00
7-Oct-11	434.30	609.10	0.00
8-Oct-11	434.30	609.10	0.00
9-Oct-11	434.40	609.10	0.00
10-Oct-11	434.50	1578.20	0.00
11-Oct-11	434.50	2233.30	0.00
12-Oct-11	434.20	1028.60	0.00
13-Oct-11	433.80	501.30	0.00

MASSANJORE DAM
READING TIME 6.00 A.M.
CONSERVATION LEVEL-21.34 M /398.0 FT

DATE	LEVEL	INFLOW IN CUSEC	OUTFLOW IN CUSEC
1-Jun-11	N.A.	N.A.	N.A.
2-Jun-11	364.70	N.A.	N.A.
3-Jun-11	NA	N.A.	N.A.
4-Jun-11	NA	N.A.	N.A.
5-Jun-11	NA	N.A.	N.A.
6-Jun-11	NA	N.A.	N.A.
7-Jun-11	N.A.	N.A.	N.A.
8-Jun-11	364.76	N.A.	N.A.
9-Jun-11	364.81	N.A.	N.A.
10-Jun-11	N.A.	1259.3	N.A.
11-Jun-11	365.41	2517.9	N.A.
12-Jun-11	N.A.	N.A.	N.A.
13-Jun-11	365.65	N.A.	N.A.
14-Jun-11	365.66	23.40	N.A.
15-Jun-11	365.81	377.59	N.A.
16-Jun-11	365.56	629.49	N.A.
17-Jun-11	365.56	125.91	N.A.
18-Jun-11	365.85	N.A.	N.A.
19-Jun-11	367.10	7194.78	N.A.
20-Jun-11	368.90	7203.08	N.A.
21-Jun-11	370.71	4202.08	N.A.
22-Jun-11	371.25	1928.31	N.A.
23-Jun-11	371.45	N.A.	N.A.
24-Jun-11	371.56	350.63	N.A.
25-Jun-11	371.82	N.A.	N.A.
26-Jun-11	421.45	N.A.	N.A.
27-Jun-11	372.45	4200.00	N.A.
28-Jun-11	372.96	4200.00	N.A.
29-Jun-11	373.61	4200.00	N.A.
30-Jun-11	374.25	4200.00	N.A.
1-Jul-11	374.65	4200.00	N.A.
2-Jul-11	374.95	4200.00	N.A.
3-Jul-11	375.20	4200.00	N.A.
4-Jul-11	375.50	4200.00	N.A.
5-Jul-11	375.86	4200.00	N.A.
6-Jul-11	376.06	0.00	N.A.
7-Jul-11	376.10	0.00	N.A.
8-Jul-11	376.20	4802.05	N.A.
9-Jul-11	376.10	0.00	N.A.
10-Jul-11	376.06	0.00	N.A.
11-Jul-11	376.50	N.A.	N.A.
12-Jul-11	376.65	4800.69	N.A.
13-Jul-11	376.70	N.A.	N.A.
14-Jul-11	376.75	N.A.	N.A.
15-Jul-11	376.75	N.A.	N.A.
16-Jul-11	377.00	4800.69	N.A.
17-Jul-11	376.75	N.A.	N.A.
18-Jul-11	377.00	N.A.	N.A.
19-Jul-11	377.05	N.A.	N.A.
20-Jul-11	377.00	N.A.	N.A.
21-Jul-11	377.65	99.98	N.A.
22-Jul-11	377.95	99.98	N.A.
23-Jul-11	378.45	5552.46	N.A.

MASSANJORE DAM
READING TIME 6.00 A.M.
CONSERVATION LEVEL-21.34 M /398.0 FT

DATE	LEVEL	INFLOW IN CUSEC	OUTFLOW IN CUSEC
24-Jul-11	378.50	99.98	N.A
25-Jul-11	378.45	5552.46	N.A
26-Jul-11	378.50	375.77	N.A
27-Jul-11	378.75	1277.39	N.A
28-Jul-11	378.85	599.13	N.A
29-Jul-11	378.40	394.39	1483.51
30-Jul-11	377.70	1795.47	N.A.
31-Jul-11	378.40	394.39	N.A.
1-Aug-11	376.75	1428.50	3435.10
2-Aug-11	376.75	256.71	882.65
3-Aug-11	376.10	N.A.	3696.47
4-Aug-11	375.60	N.A.	2927.44
5-Aug-11	375.15	N.A.	2801.67
6-Aug-11	375.55	N.A.	N.A.
7-Aug-11	NA	NA	NA
8-Aug-11	377.64	5577.55	N.A.
9-Aug-11	380.15	11096.09	0.00
10-Aug-11	381.70	8302.55	0.00
11-Aug-11	382.85	5121.79	0.00
12-Aug-11	422.50	4272.75	0.00
13-Aug-11	422.50	6478.11	0.00
14-Aug-11	384.70	6478.11	0.00
15-Aug-11	384.70	6478.11	0.00
16-Aug-11	386.55	3466.58	0.00
17-Aug-11	387.45	7978.57	0.00
18-Aug-11	388.50	7378.32	0.00
19-Aug-11	389.15	7378.32	0.00
20-Aug-11	388.44	175.24	0.00
21-Aug-11	390.10	174.18	0.00
22-Aug-11	390.30	6778.06	0.00
23-Aug-11	390.40	6778.06	0.00
24-Aug-11	390.50	6778.06	0.00
25-Aug-11	390.60	726.49	0.00
26-Aug-11	391.17	175.24	0.00
27-Aug-11	391.17	175.24	0.00
28-Aug-11	391.00	N.A.	0.00
29-Aug-11	391.20	N.A.	0.00
30-Aug-11	391.20	1612.02	1729.29
31-Aug-11	390.70	2520.09	0.00
1-Sep-11	390.20	1547.04	4038.93
2-Sep-11	389.70	1234.60	4249.30
3-Sep-11	389.30	4846.20	4007.50
4-Sep-11	388.70	5541.50	4449.00
5-Sep-11	388.30	1445.00	3974.00
6-Sep-11	387.70	3666.20	3962.00
7-Sep-11	387.20	4113.10	3957.00
8-Sep-11	386.70	4095.80	3921.00
9-Sep-11	386.10	2540.20	3887.00
10-Sep-11	386.00	4063.30	3888.00
11-Sep-11	386.60	7267.70	2080.00
12-Sep-11	386.70	3980.60	3784.00
13-Sep-11	386.60	4197.60	2506.00

MASSANJORE DAM
READING TIME 6.00 A.M.
CONSERVATION LEVEL-21.34 M /398.0 FT

DATE	LEVEL	INFLOW IN CUSEC	OUTFLOW IN CUSEC
14-Sep-11	386.30	1901.10	3099.00
15-Sep-11	386.50	6988.30	756.00
16-Sep-11	386.60	175.20	175.00
17-Sep-11	387.00	1770.00	0.00
18-Sep-11	387.30	2279.10	0.00
19-Sep-11	387.60	1627.90	0.00
20-Sep-11	387.90	1953.50	0.00
21-Sep-11	388.30	1953.50	0.00
22-Sep-11	389.40	8993.40	0.00
23-Sep-11	390.50	6645.30	0.00
24-Sep-11	390.90	6645.30	0.00
25-Sep-11	391.40	8091.40	0.00
26-Sep-11	392.00	50.10	0.00
27-Sep-11	392.40	7950.30	0.00
28-Sep-11	392.60	7844.40	0.00
29-Sep-11	392.80	7844.40	0.00
30-Sep-11	392.80	377.70	0.00
1-Oct-11	392.80	7894.10	0.00
2-Oct-11	392.80	100.00	0.00
3-Oct-11	392.90	99.90	0.00
4-Oct-11	393.00	425.20	0.00
5-Oct-11	393.00	254.20	104.00
6-Oct-11	392.80	3948.50	0.00
7-Oct-11	392.40	3763.60	3614.00
8-Oct-11	392.00	3479.80	3330.00
9-Oct-11	391.50	4478.50	4388.00
10-Oct-11	391.00	717.10	117.00
11-Oct-11	391.00	421.00	2856.00
12-Oct-11	390.30	888.00	4415.00
13-Oct-11	389.70	753.50	4286.00

TILPARA BARRAGE
READING TIME 6.00 A.M.
CONSERVATION LEVEL-62.79 M /206.0 FT

DATE	LEVEL	INFLOW IN CUSEC	OUTFLOW IN CUSEC
1-Jun-11	N.A.	N.A.	N.A.
2-Jun-11	NA	N.A.	N.A.
3-Jun-11	NA	NA	NA
4-Jun-11	NA	NA	NA
5-Jun-11	NA	NA	NA
6-Jun-11	NA	NA	NA
7-Jun-11	N.A.	N.A.	N.A.
8-Jun-11	203.15	N.A.	N.A.
9-Jun-11	203.62	N.A.	N.A.
10-Jun-11	203.10	N.A.	N.A.
11-Jun-11	203.10	N.A.	N.A.
12-Jun-11	204.00	N.A.	N.A.
13-Jun-11	204.40	N.A.	N.A.
14-Jun-11	204.45	5.99	N.A.
15-Jun-11	205.05	391.06	N.A.
16-Jun-11	205.85	584.14	N.A.
17-Jun-11	205.95	342.94	N.A.
18-Jun-11	202.55	190.91	N.A.
19-Jun-11	205.85	4506.44	2395.79
20-Jun-11	201.95	3649.94	3649.94
21-Jun-11	201.95	1856.94	1856.94
22-Jun-11	201.95	1856.94	1856.94
23-Jun-11	202.35	3203.72	1883.09
24-Jun-11	202.15	723.79	1180.97
25-Jun-11	202.01	1376.81	NA
26-Jun-11	201.95	928.47	928.47
27-Jun-11	203.48	10709.94	2067.86
28-Jun-11	202.95	3295.16	3595.71
29-Jun-11	202.95	9674.06	9674.06
30-Jun-11	201.95	5327.41	5878.42
1-Jul-11	201.95	1322.47	1322.47
2-Jul-11	201.95	3694.10	3694.10
3-Jul-11	201.95	2604.17	928.47
4-Jul-11	201.95	2125.81	2125.81
5-Jul-11	201.95	3649.94	N.A.
6-Jul-11	202.35	4116.30	N.A.
7-Jul-11	201.95	2753.62	N.A.
8-Jul-11	202.35	N.A.	N.A.
9-Jul-11	201.95	4116.30	N.A.
10-Jul-11	202.35	4116.30	N.A.
11-Jul-11	194.95	NA	N.A.
12-Jul-11	191.95	N.A.	N.A.
13-Jul-11	190.45	N.A.	N.A.
14-Jul-11	190.45	N.A.	N.A.
15-Jul-11	190.45	N.A.	N.A.
16-Jul-11	197.65	N.A.	N.A.
17-Jul-11	190.45	N.A.	N.A.
18-Jul-11	197.65	N.A.	N.A.
19-Jul-11	201.55	N.A.	N.A.
20-Jul-11	197.65	N.A.	N.A.
21-Jul-11	205.65	995.60	N.A.
22-Jul-11	205.05	2301.40	N.A.
23-Jul-11	202.75	1608.22	2830.46

TILPARA BARRAGE
READING TIME 6.00 A.M.
CONSERVATION LEVEL-62.79 M /206.0 FT

DATE	LEVEL	INFLOW IN CUSEC	OUTFLOW IN CUSEC
24-Jul-11	202.15	2301.40	N.A
25-Jul-11	202.75	1608.22	2830.46
26-Jul-11	202.15	679.78	1010.37
27-Jul-11	201.95	357.33	467.52
28-Jul-11	202.35	612.90	392.48
29-Jul-11	202.15	290.62	400.82
30-Jul-11	205.65	5042.65	N.A.
31-Jul-11	202.15	290.62	1010.37
1-Aug-11	205.95	4179.50	3961.62
2-Aug-11	205.95	3434.15	3869.91
3-Aug-11	204.55	3044.74	3594.44
4-Aug-11	205.25	4460.06	3986.99
5-Aug-11	204.75	3046.51	3392.03
6-Aug-11	205.75	7523.17	2301.04
7-Aug-11	NA	NA	NA
8-Aug-11	202.35	3707.88	N.A.
9-Aug-11	201.95	10549.54	10770.00
10-Aug-11	201.95	12648.95	12648.95
11-Aug-11	201.95	7419.30	7419.30
12-Aug-11	201.95	3649.94	5098.97
13-Aug-11	201.95	3649.94	5098.97
14-Aug-11	202.25	6895.71	5282.06
15-Aug-11	202.25	6895.71	5282.06
16-Aug-11	201.95	5937.91	6048.14
17-Aug-11	201.95	3649.94	4594.39
18-Aug-11	202.05	5120.02	0.00
19-Aug-11	201.95	4562.52	0.00
20-Aug-11	201.95	1856.94	1856.94
21-Aug-11	202.45	2265.01	0.00
22-Aug-11	202.05	931.65	0.00
23-Aug-11	202.65	480.13	480.13
24-Aug-11	202.65	480.13	480.13
25-Aug-11	202.95	711.01	655.90
26-Aug-11	203.85	2841.59	1342.54
27-Aug-11	203.85	2841.59	1342.54
28-Aug-11	203.75	1600.80	0.00
29-Aug-11	203.15	1241.98	1603.01
30-Aug-11	202.15	808.14	1369.20
31-Aug-11	204.85	3601.89	2822.06
1-Sep-11	204.75	3818.35	0.00
2-Sep-11	204.90	4102.50	0.00
3-Sep-11	205.10	4202.50	0.00
4-Sep-11	205.40	5943.20	0.00
5-Sep-11	205.60	4202.50	4208.00
6-Sep-11	205.40	5842.90	0.00
7-Sep-11	205.30	2361.50	4108.00
8-Sep-11	205.10	4102.20	0.00
9-Sep-11	205.30	5842.90	0.00
10-Sep-11	205.70	4398.60	4108.00
11-Sep-11	205.60	3702.20	3702.00
12-Sep-11	204.50	2171.70	0.00
13-Sep-11	204.80	3701.90	3920.00
14-Sep-11	205.90	2501.40	0.00

TILPARA BARRAGE
READING TIME 6.00 A.M.
CONSERVATION LEVEL-62.79 M /206.0 FT

DATE	LEVEL	INFLOW IN CUSEC	OUTFLOW IN CUSEC
15-Sep-11	202.50	1235.90	3418.00
16-Sep-11	204.50	2030.80	0.00
17-Sep-11	202.50	2571.70	1903.00
18-Sep-11	203.10	2966.70	12078.00
19-Sep-11	202.60	3241.50	2502.00
20-Sep-11	203.60	3462.30	1984.00
21-Sep-11	202.80	1698.70	1452.00
22-Sep-11	203.30	6367.90	1452.00
23-Sep-11	201.90	4580.50	4560.00
24-Sep-11	203.40	3437.90	1999.00
25-Sep-11	201.90	927.40	927.00
26-Sep-11	201.90	4936.30	927.00
27-Sep-11	202.00	2545.00	2490.00
28-Sep-11	202.30	1151.10	986.00
29-Sep-11	202.20	591.10	1055.00
30-Sep-11	202.20	906.90	0.00
1-Oct-11	202.40	999.40	0.00
2-Oct-11	202.10	835.60	999.00
3-Oct-11	202.00	599.90	0.00
4-Oct-11	202.10	655.80	0.00
5-Oct-11	202.20	599.90	0.00
6-Oct-11	204.20	2031.90	0.00
7-Oct-11	205.00	3697.60	0.00
8-Oct-11	204.70	3997.50	0.00
9-Oct-11	205.90	5836.10	0.00
10-Oct-11	205.20	2060.90	3544.00
11-Oct-11	205.20	2793.60	0.00
12-Oct-11	205.90	4798.70	0.00
13-Oct-11	205.90	4540.90	4541.00

TENUGHAT DAM
READING TIME 6.00 A.M.
CONSERVATION LEVEL-263.66 M /865.00 FT

DATE	LEVEL	INFLOW IN CUSEC	OUTFLOW IN CUSEC
17-Jun-11	837.45	2338.39	182.94
18-Jun-11	837.97	60.34	60.34
19-Jun-11	839.19	2949.83	56.11
20-Jun-11	856.64	26568.51	14097.02
21-Jun-11	N.A.	N.A.	N.A.
22-Jun-11	855.72	4587.60	1407.90
23-Jun-11	851.52	2359.34	2359.34
24-Jun-11	850.83	2898.63	6227.66
25-Jun-11	850.70	2000.74	2000.74
26-Jun-11	850.27	1946.68	1946.68
27-Jun-11	850.57	2053.38	2053.38
28-Jun-11	851.52	18469.22	13858.55
29-Jun-11	851.19	6798.55	8176.42
30-Jun-11	849.85	13186.85	20839.93
1-Jul-11	849.52	4258.04	6895.07
2-Jul-11	849.19	2956.41	4467.48
3-Jul-11	849.19	56.53	56.53
4-Jul-11	849.42	54.05	54.05
5-Jul-11	849.42	1490.93	1490.93
6-Jul-11	849.52	1512.12	1512.12
7-Jul-11	852.50	1166.95	1447.47
8-Jul-11	848.90	96.10	1367.98
9-Jul-11	852.50	1512.12	1447.47
10-Jul-11	849.52	1512.12	1367.98
11-Jul-11	848.44	2597.46	53.70
12-Jul-11	848.54	53.70	53.70
13-Jul-11	848.57	53.70	53.70
14-Jul-11	848.63	2597.46	53.70
15-Jul-11	848.63	53.70	53.70
16-Jul-11	849.03	53.70	53.70
17-Jul-11	848.63	2597.46	53.70
18-Jul-11	849.03	1337.59	65.71
19-Jul-11	849.39	1838.57	184.28
20-Jul-11	849.03	1337.59	66.62
21-Jul-11	850.47	1444.29	66.42
22-Jul-11	851.23	1849.88	1846.35
23-Jul-11	850.77	2032.85	5058.83
24-Jul-11	850.27	1849.88	1843.96
25-Jul-11	850.77	2032.85	5058.83
26-Jul-11	850.27	1674.29	1674.29
27-Jul-11	849.95	994.68	2542.52
28-Jul-11	849.98	335.25	183.75
29-Jul-11	850.27	1580.42	184.07
30-Jul-11	850.57	1456.30	78.43
31-Jul-11	850.27	1580.42	1674.29
1-Aug-11	851.72	7385.67	3860.09
2-Aug-11	851.72	5200.65	5200.65
3-Aug-11	851.09	10366.78	10366.78
4-Aug-11	850.67	4783.68	10366.78
5-Aug-11	850.27	2706.63	4581.95
6-Aug-11	850.37	42549.69	38522.07
7-Aug-11	N.A.	N.A.	N.A.

TENUGHAT DAM
READING TIME 6.00 A.M.
CONSERVATION LEVEL-263.66 M /865.00 FT

DATE	LEVEL	INFLOW IN CUSEC	OUTFLOW IN CUSEC
8-Aug-11	851.72	5610.05	5610.05
9-Aug-11	856.64	53194.61	27795.14
10-Aug-11	852.77	18573.37	38625.34
11-Aug-11	850.77	17015.28	26887.54
12-Aug-11	861.79	18887.06	75521.09
13-Aug-11	861.79	14655.59	23417.43
14-Aug-11	853.59	18498.08	64966.25
15-Aug-11	853.59	18498.08	64966.25
16-Aug-11	850.18	26224.75	31109.83
17-Aug-11	849.72	6285.56	17756.50
18-Aug-11	852.24	16724.52	4509.87
19-Aug-11	852.57	4064.72	4064.72
20-Aug-11	852.77	4125.48	4125.48
21-Aug-11	852.05	2514.08	3891.95
22-Aug-11	851.03	3556.67	3556.67
23-Aug-11	850.67	1743.54	1743.54
24-Aug-11	850.93	1801.83	1801.83
25-Aug-11	851.42	7488.35	5088.83
26-Aug-11	851.78	1933.61	1943.15
27-Aug-11	851.78	1933.61	1943.15
28-Aug-11	852.18	1997.91	1997.91
29-Aug-11	852.14	5377.59	5541.38
30-Aug-11	851.52	2320.12	5399.37
31-Aug-11	851.09	1814.90	1814.90
1-Sep-11	850.64	2732.06	1734.00
2-Sep-11	850.50	1715.60	1715.60
3-Sep-11	851.70	6121.30	1917.00
4-Sep-11	853.70	6568.60	2223.00
5-Sep-11	852.20	4462.90	5876.00
6-Sep-11	850.50	3653.10	5031.00
7-Sep-11	850.40	1693.40	6210.00
8-Sep-11	850.50	1712.10	1712.00
9-Sep-11	850.50	1721.30	1721.00
10-Sep-11	850.70	3444.00	3444.00
11-Sep-11	850.90	3515.70	3516.00
12-Sep-11	850.30	3276.50	3277.00
13-Sep-11	850.80	1409.00	3273.00
14-Sep-11	851.70	1445.00	67.00
15-Sep-11	852.80	5755.80	187.00
16-Sep-11	853.00	2133.90	2131.00
17-Sep-11	852.90	9648.60	10467.00
18-Sep-11	853.10	6763.20	6755.00
19-Sep-11	855.30	16139.80	7193.00
20-Sep-11	854.20	2345.90	6754.00
21-Sep-11	852.30	3099.90	5919.00
22-Sep-11	850.90	5245.00	5245.00
23-Sep-11	851.20	5402.40	5402.00
24-Sep-11	853.10	16306.70	6285.00
25-Sep-11	853.00	6849.90	8297.00
26-Sep-11	851.10	4358.50	7111.00
27-Sep-11	850.80	11694.50	9951.00
28-Sep-11	850.50	8471.70	9572.00
29-Sep-11	850.80	4780.50	2097.00
30-Sep-11	851.80	3563.50	193.00

TENUGHAT DAM
READING TIME 6.00 A.M.
CONSERVATION LEVEL-263.66 M /865.00 FT

DATE	LEVEL	INFLOW IN CUSEC	OUTFLOW IN CUSEC
1-Oct-11	852.30	69.90	70.00
2-Oct-11	852.80	2665.10	195.00
3-Oct-11	853.20	70.20	70.00
4-Oct-11	853.60	2371.60	196.00
5-Oct-11	853.90	1550.10	196.00
6-Oct-11	854.10	70.60	71.00
7-Oct-11	854.40	70.60	71.00
8-Oct-11	854.00	2148.50	3846.00
9-Oct-11	854.10	77.30	77.00
10-Oct-11	854.70	1908.40	215.00
11-Oct-11	854.70	1582.00	216.00
12-Oct-11	855.00	1414.30	216.00
13-Oct-11	855.20	1590.80	217.00

EX-GALUDIH BARRAGE

READING TIME 6.00 A.M.

H.F.LEVEL -101.25M/332.1F

DATE	LEVEL	INFLOW IN CUSEC	OUTFLOW IN CUSEC
20-Jun-11	289.62	N.A.	71401.93
14-Aug-11	293.56	N.A.	82142.25
15-Aug-11	N.A.	N.A.	82142.25
21-Aug-11	N.A.	N.A.	51935.10
8-Sep-11	292.70	N.A.	9940.00
11-Sep-11	N.A.	N.A.	74350.00
12-Sep-11	288.60	N.A.	66950.00
13-Sep-11	287.30	N.A.	60944.00
14-Sep-11	N.A.	N.A.	38818.00
15-Sep-11	286.00	N.A.	47993.00
16-Sep-11	285.40	N.A.	40229
17-Sep-11	N.A.	N.A.	N.A.
18-Sep-11	N.A.	N.A.	40229.00
19-Sep-11	N.A.	N.A.	55757.00
20-Sep-11	285.00	N.A.	36454.00
21-Sep-11	284.40	N.A.	28584.00
22-Sep-11	285.00	N.A.	36348.00
23-Sep-11	294.90	N.A.	107631.00
24-Sep-11	294.50	N.A.	104350.00
25-Sep-11	290.00	N.A.	72801.00
26-Sep-11	288.00	N.A.	63908.00
27-Sep-11	287.70	N.A.	62426.00
28-Sep-11	285.40	N.A.	40229.00
29-Sep-11	282.10	N.A.	14116.00
30-Sep-11	282.10	N.A.	14116.00
1-Oct-11	282.10	N.A.	14116.00
2-Oct-11	282.10	N.A.	14116.00

Statement of District wise Inundation area in the year 2011

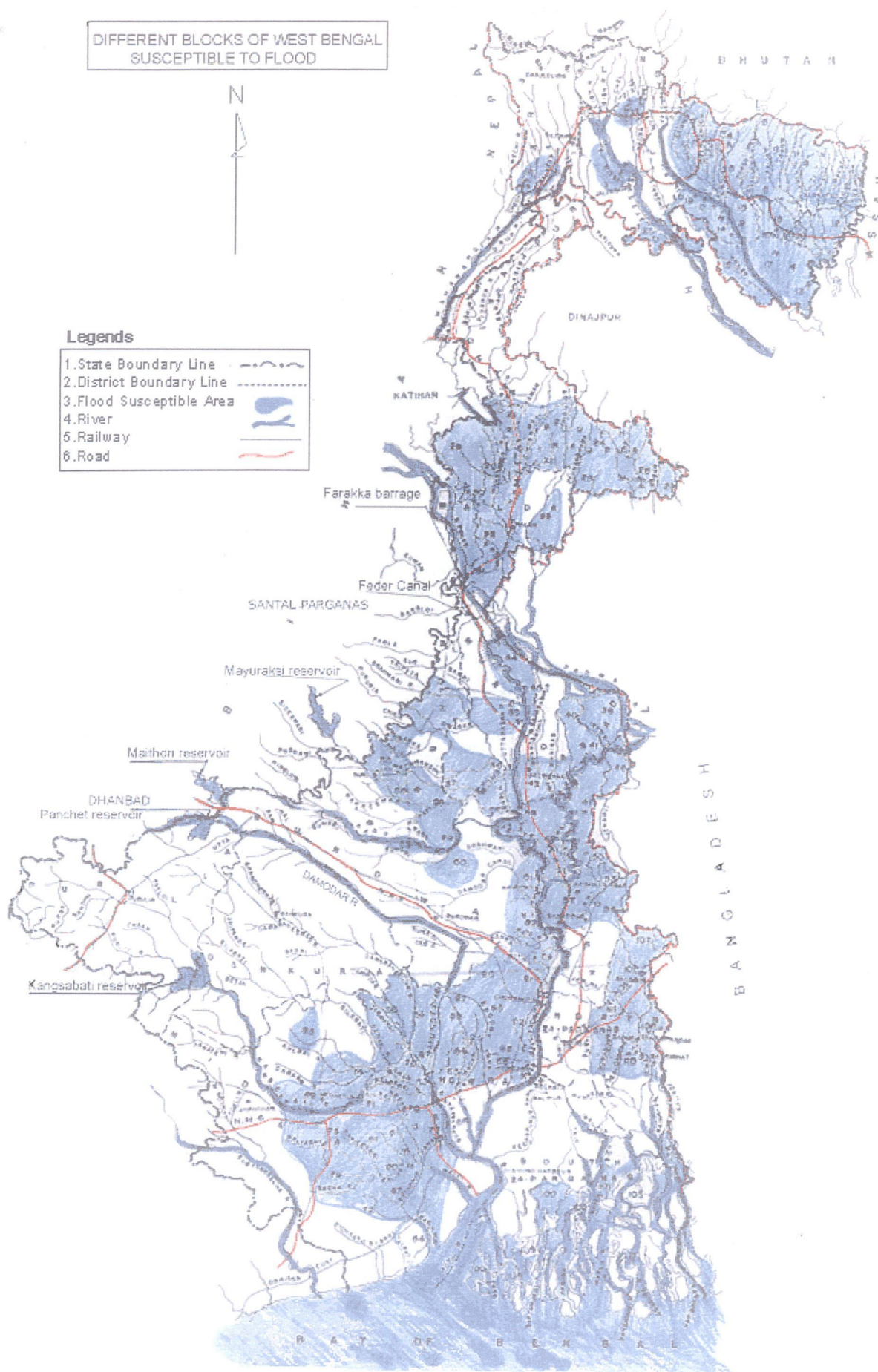
District	Geographical Area in sq. km. (2001 Census)	Area Inundated in (Sq. km)	Percentage of inundation	Remark
1	2	3	4	5
Darjeeling	3149	3.6	0	
Jalpaiguri	6227	2.03	0.03	
Coochbehar	3387	37.12	1.0	
Uttar Dinajpur	3140	52	1.66	
Dakshin Dinajpur	2219	285	12.84	
Malda	3733	85.35	2.29	
Murshidabad	5324	18	0.34	
Birbhum	4545	14.11	0.31	
Burdwan	7024	242	3.43	
Bankura	6882	12	0.17	
Purulia	6259	0	0	
Nadia	3927	15	0.38	
Hooghly	3149	44.94	1.43	
Howrah	1467	138.07	9.41	
North 24-Parganas	4094	128.5	3.14	
South 24-	9960	44.48	0.45	
Purba Medinipur	4295	24	0.56	
Paschim Medinipur	9786	85	0.87	
Kolkata	185	0	0	
Total	88752	1231.45	1.34	

DIFFERENT BLOCKS OF WEST BENGAL SUSCEPTIBLE TO FLOOD



Legends

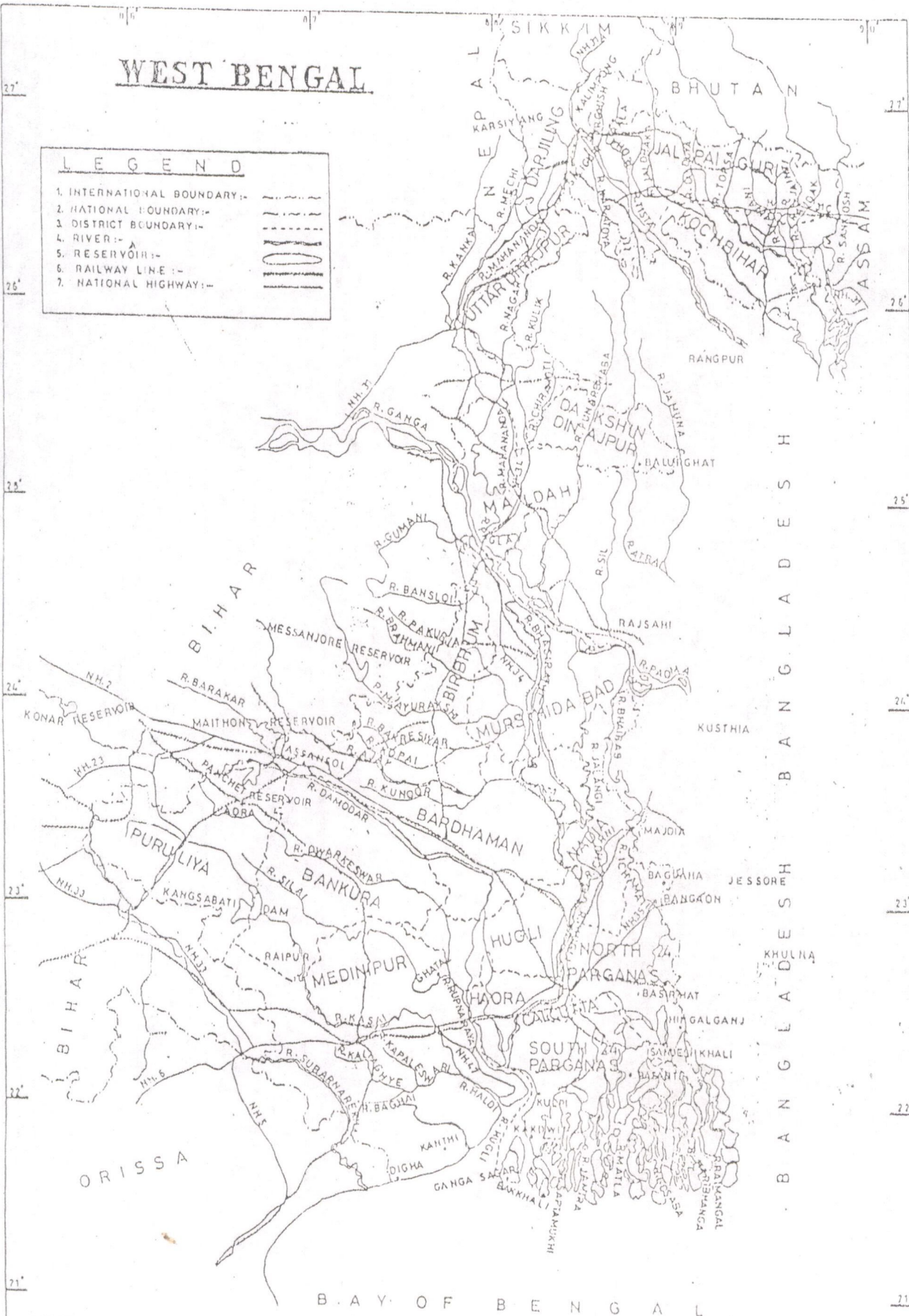
1. State Boundary Line
2. District Boundary Line
3. Flood Susceptible Area
4. River
5. Railway
6. Road



WEST BENGAL

LEGEND

1. INTERNATIONAL BOUNDARY:-
2. NATIONAL BOUNDARY:-
3. DISTRICT BOUNDARY:-
4. RIVER:-
5. RESERVOIR:-
6. RAILWAY LINE:-
7. NATIONAL HIGHWAY:-



REFERENCE:- THIS DRAWING TRACED FROM SURVEY OF INDIA MAP (AFTER REDUCING), DEPARTMENT OF SCIENCE & TECHNOLOGY, GOVT. OF INDIA, COPYRIGHT, 1992.

DRG. NO-C.E./11/1/2001

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Sl. No.	District	River	Damaged Site / Police Station / Block / G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
1	Darjeeling	Mechi	Damage Site : Upper Mechi area along the left bank of river Mechi P.S. - Naxalbari, Block - Naxalbari, G.P. - Maniram	Nil	Severely damaged	2200 m	Nil	Nil
2		Manjha	Damaged Site : Sebdullah Basty area along the right bank of river Manjha P.S. - Naxalbari, Block - Naxalbari, G.P. - Hatighisha	Nil	Severely damaged	300 m	Nil	Nil
3		Bataria	Damaged Site : Naxalbari Town Totaramjote area on the left bank of river Bataria. P.S. - Naxalbari, Block - Naxalbari, G.P. - Naxalbari	Nil	Severely damaged	220 m	Nil	Nil
4		Chenga	Damaged Site : Lohasinghjote area along the left bank of river Chenga P.S. - Naxalbari, Block - Naxalbari, G.P. - Hatighisha	Nil	Severely damaged	400 m	Nil	Nil
5		Chenga	Damaged Site : Nandalaljote area adjacent to the Nandalal Primary School along the left bank of river Chenga P.S. - Naxalbari, Block - Naxalbari, G.P. - Hatighisha	Nil	Severely damaged	300 m	Nil	Nil
6		Chenga	Damaged Site : Mahasinghjote area near Mahasinghjote Primary School along the right bank of river Chenga P.S. - Naxalbari, Block - Naxalbari, G.P. - Hatighisha	Nil	Severely damaged	120 m	Nil	Nil
7		Chenga	Damaged Site : Chhat Jamindarguri area along the right bank of river Chenga P.S. - Naxalbari, Block - Naxalbari, G.P. - Hatighisha	Nil	Severely damaged	150 m	Nil	Nil

Sl. No.	District	River	Damaged Site / Police Station / Block / G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
8	Darjeeling	Panchanoi	Damage Site : Agamsingh Giri Nagar on the right bank of river Panchanoi. P.S. - Matigara, Block - Matigara.	Nil	Severely damaged	300 m	Nil	Nil
9		Balason	Damaged Site : Rarthen armored embankment on the right bank of river Balason at Nayabasti area. P.S. - Bagdogra, Block - Naxalbari, G.P. - Lower Bagdogra	Nil	Severely damaged	500 m	Nil	Nil
10		Balason	Damaged Site : Rarthen armored embankment on the right bank of river Balason at Dhimaljote area. P.S. - Matigara, Block - Matigara G.P. - Atharokhari	Nil	Partially damaged	800 m	Nil	Nil
11		Balason	Damaged Site : Protection on the right bank of river Balason at Dhumriguri area. P.S. - Matigara, Block - Matigara G.P. - Atharokhari	Nil	Partially damaged	300 m	Nil	Nil
12		Balason	Damaged Site : Patiram embankment on the left bank of river Balason at Nichupatiram (Kalabagan) area. P.S. - Matigara, Block - Matigara G.P. - Matigara - I	Nil	Partially damaged	600 m	Nil	Nil
13		Mahananda	Damaged Site : Kamrangaguri Embankment on the left bank of river Mahananda. P.S. - Bhaktinagar, Block - Rajganj, G.P. - Village Kamrangaguri	Nil	Severely damaged	300 m	Nil	Nil
14		Mahananda	Damaged Site : D/S of Simliguri-Bowbazar including Samarnagar area along the right bank of river Mahananda. P.S. - Bhaktinagar, Block - Rajganj, G.P. - Debgam- I	Nil	Severely damaged	700 m	Nil	Nil

Sl. No.	District	River	Damaged Site / Police Station / Block /G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
15	Darjeeling	Mahananda	Damaged Site : Dadabhai Colony area along the left bank of river Mahananda. P.S. - Bhaktinagar, Block - Rajganj, G.P. - Debgram - I.	Nil	Severely damaged	150 m	Nil	Nil
16		Mahananda	Damaged Site : Pramod Nagar area along the left bank of river Mahananda. P.S. - Bhaktinagar, Ward No.42 of SMC, Siliguri.	Nil	Severely damaged	280 m	Nil	Nil
17		Mahananda	Damaged Site : Salugara area along the left bank of river Mahananda. P.S. - Bhaktinagar, Block - Rajganj, G.P. - Debgram- I	Nil	Severely damaged	150 m	Nil	Nil
18		Mahananda	Damaged Site : Dim Dima Busty area along the left bank of river Mahananda. P.S. - Bhaktinagar, Block - Rajganj, G.P. - Debgram- I	Nil	Severely damaged	200 m	Nil	Nil
19		Mahananda	Damaged Site : Betgara area along the left bank of river Mahananda. P.S. - Bhaktinagar, Block - Rajganj, G.P. - Debgram- I	Nil	Severely damaged	600 m	Nil	Nil
20		Mahananda	Damaged Site : Durganagar Colony adjacent area along the right bank of river Mahananda. P.S. - Pradhan Nagar, Ward No.3 of SMC, Siliguri.	Nil	Severely damaged	600 m	Nil	Nil
21		Mahananda	Damaged Site : Pabitra Nagar & Pramod Nagar Colony area along the both bank of river Mahishmari. P.S. - Pradhan Nagar, Ward No. 46 of SMC, Siliguri.	Nil	Severely damaged	700 m	Nil	Nil

Sl. No.	District	River	Damaged Site / Police Station / Block / G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
22	Darjeeling	Bataria	Damaged Site : Protection on the both bank of river Bataria from erosion at Goursinghote. P.S. - Kharibari, Block - Kharibari, G.P. - Raniganj-Panisali.	Nil	Severely damaged	Apron 370 m	260.00 m	Nil
23		Manjha	Damaged Site : Protection on the left bank of river Manjha from erosion at village Titliguri immediate down stream of Manjha aqueduct. P.S. - Phansidewa, Block - Phansidewa, G.P. - Ghoshpukur.	Nil	Severely damaged	Apron 90 m	Nil	Nil
24		Pitchla	Damaged Site : Protection on the right bank of river Pitchla from erosion at village Helagach area. P.S. - Phansidewa, Block - Phansidewa, G.P. - Phansidewa.	Nil	Severely damaged	Apron - 155 m Pitching - 350 Sq.M.	Nil	Nil
25		Pitchla	Damaged Site : Protection on the right bank of river Pitchla from erosion at Rakhalgachh area. P.S. - Phansidewa, Block - Phansidewa, G.P. - Chathat.	Nil	Severely damaged	Apron - 165 m Pitching - 490 Sq.M.	Nil	Nil
26		Buri Balason	Damaged Site : Protection on the left bank of river Buri Balason from erosion at Heragach area. P.S. - Phansidewa, Block - Phansidewa, G.P. - Phansidewa.	Nil	Severely damaged	Apron - 150 m	Nil	Nil
27		Buri Balason	Damaged Site : Protection on the right bank of river Buri Balason from erosion at Saptigurihat area. P.S. - Phansidewa, Block - Phansidewa, G.P. - Bidhannagar-II.	Nil	Severely damaged	Apron - 250 m	Nil	Nil

Sl. No.	District	River	Damaged Site / Police Station / Block / G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
28	Darjeeling	Buri Balason	Damaged Site : Protection on the right bank of river Buri Balason from erosion at Saptiguri area. P.S. - Phansidewa, Block - Phansidewa, G.P. - Bidhannagar-II.	Nil	Severely damaged	Apron - 190 m	Nil	Nil
29		Mahananda	Damaged Site : Construction of Bidhannagar Embankment on the right bank of river Mahananda at Budarugown area P.S. - Phansidewa, Block - Phansidewa, G.P. - Bidhannagar-I.	Nil	Severely damaged	Spur - 3 No. Apron - 200 m	Nil	Nil
30		Buri Balason	Damaged Site : Protection on the right bank of river Buri Balason from erosion at Jhingribari area. P.S. - Phansidewa, Block - Phansidewa, G.P. - Bidhannagar-I.	Nil	Severely damaged	Apron - 100 m	Nil	Nil
31		Chenga	Damaged Site : Protection on the left bank of river Chenga from erosion at Bukdhala area. P.S. - Phansidewa, Block - Phansidewa, G.P. - Bidhannagar-II.	Nil	Severely damaged	Apron - 160 m	Nil	Nil
32		Chenga	Damaged Site : Protection on the left bank of river Chenga from erosion at Gourigach area. P.S. - Phansidewa, Block - Phansidewa, G.P. - Bidhannagar-II.	Nil	Severely damaged	Bed Bar - 9 nos.	Nil	Nil
33		Manjha	Damaged Site : Protection on the left bank of river Manjha at Fakirdeep village. P.S. - Phansidewa, Block - Phansidewa, G.P. - Ghoshpukur.	Nil	Severely damaged Partially damaged	Causeway - 1 no. Bitumen grouted slope pitching - 150 Sq.M. Sausage apron - 50 m.	Nil	Nil

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Sl. No.	District	River	Damaged Site / Police Station / Block /G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
34	Darjeeling	Chenga	Damaged Site : Protection on the right bank of river Chenga at Pathar Harharia. P.S. - Phansidewa, Block - Phansidewa, G.P. - Ghoshpukur.	Nil	Severely damaged	Sausage bed bar with base - 1 no. Apron - 15 m.	Nil	Nil
					Partially damaged	Bitumen grouted slope pitching - 150 Sq.M. Causeway - 2 nos. Bank erosion - 20 m.		
35		Chenga	Damaged Site : Protection on the right bank of river Chenga at Mangarah Basti area. P.S. - Phansidewa, Block - Phansidewa, G.P. - Hasighisa.	Nil	Partially damaged	Sausage bed bar with base - 2 nos. Apron - 150 m.	Nil	Nil
					Severely damaged	Sausage wall - 70 m		
36		Chenga	Damaged Site : Protection on the left bank of river Chenga at Dhamalchatt area. P.S. - Phansidewa, Block - Phansidewa, G.P. - Hetmuri Singhijhora.	Nil	Severely damaged	Sausage bed bar with base - 3 nos. Apron - 20 m.	Nil	Nil
					Partially damaged	Apron - 20 m Bed bar with base - 1 no.		
37		Chenga	Damaged Site : Protection on the left bank of river Chenga from erosion at Panaullah Basti. P.S. - Phansidewa, Block - Phansidewa, G.P. - Hetmuri Singhijhora.	Nil	Severely damaged	Apron - 50 m	Nil	Nil
					Partially damaged	Sausage bed bar with base - 1 no. Apron - 100 m Bitumen grouted slope pitching - 150 Sq.M.		
38		Chenga	Damaged Site : Protection on the left bank of river Chenga from erosion at Kachumani village area. P.S. - Phansidewa, Block - Phansidewa, G.P. - Ghoshpukur.	Nil	Partially damaged	Sausage Apron - 150 m	Nil	Nil

Sl. No.	District	River	Damaged Site / Police Station / Block /G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
39	Darjeeling	Taipu	Damaged Site : Taipu River Irrigation Scheme. P.S. - Phansidewa, Block - Phansidewa, G.P. - Hetumari Singhijhora.	Nil	Severely damaged	Sausage apron - 30 m Retaining wall - 75 m Bank erosion approx. - 50 m	Nil	Nil
40		Mahananda	Damaged Site : Bazar Protective of Phansidewa Bazar. P.S. - Phansidewa, Block - Phansidewa, G.P. - Phansidewa.	Nil	Severely damaged	Sausage apron - 100 m	Nil	Nil
41		Mahananda	Damaged Site : Protection on the right bank of river Mahananda D/S of T.B. at Laldasjote. P.S. - Phansidewa, Block - Phansidewa, G.P. - Lichupakhri.	Nil	Severely damaged	Sausage apron - 30 m Step wall - 30 m Bed bar - 2 nos. Round sausage - 4 nos.	Nil	Nil

Statement - I Damages to Embankments and Structures in different District - 2011

Sl. No.		River	Damaged Site / Police Station / Block /G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
1	COOCHBEHAR	Torsa	Hanskhawa, Icchamari, Champaguri, Petbhata, Rajahat Coochbehar-I & II, Pundibari, Suktabari, Madhupur, Takagachh		Apron, pitching and round sausage washed out	Hanskhawa embankment Spur-I of Hanskhawa embankment Spur-I at Ichhamari Champaguri Rajahat embankment	U/S of Hanskhawa embankment, Panisala area, D/S of Kunidanga protection work, U/S of Guriahati B.P. work, Aratguri area of Haripur area, Rasomati area to U/S rail bridge, Ichhamari Champaguri near Masjid, Matiguri area to Damudarpur area, Down Stream of Malerjhar embankment area.	
2		Mansai	Kismat Adabari, Paradubu, Dewanbosh, Nayandi, Kodaldhowa, Morebhanga, Bairati Jagatjully, Kajilikura, Bhangamore Mathabhanga-I & II Sitalkuchi Dinhata-I Coochbehar-I Sital Adabari, Nishiganj-I, Hazrahat-II, Adabari B.R. Chatra, Bhangerthana Parodubu, Chandamari, Gosanimari-II Putimari Fuleswari		Apron, pitching and round sausage dragged down	Kismat Adabari spur Paradubu spur Dewanbosh embankment Nayanandi embankment Kodaldhowa B.P. Norebhanga Kismat Adabari B.P. Bairati jagatjully B.P. Kajilikura B.P. Bhangamore embankment Baraibari B.P.	U/S of Kodaldhowa B.P. work, Belerdanga village area, Baro Bangolw and Jatigara village area, Baro Adabari village area, U/S of Morebhanga B.P. work, Kismat Adabari village area (IN between Morebhanga B.P. work & Kusmat adabari spur), In between spur no. 6 & 7 of Bhangamore Chhat Khaterbari embankment East Kursamari area, South Baraibari area. Sonatali Bhajanerchara area, Kamtapur Uttar Singimari area, Hardev Chhederjhar salbari area, Up stream of Baraiti Jagatjully embankment area.	

Sl. No.		River	Damaged Site / Police Station / Block /G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
3	COOCHBEHAR	Kaliganj	Boxirkuti, Balabhut, Soldhukri, Amalguri, Chhatowa, Tufanganj-I, Cooch Behar-II, Dinhata-II, Deochari Chilakhana, Ambari, Balabhut, Maruganj, Najirhat - I & II, Chilakhana - I, Burihat-I, Balarampur-I, Deochari, Natabari - I & II, Balabhut		Apron, pitching and round sausage dragged down	Boxihkuti embankment, Balabhut embankment, Ambari B.P. Work, Deochari embankment, Soldhukri embankment, Amalguri Chhatowa B.P.	D/S of Bhuchunagamari protection, Protection work at Chhatwa area, Protection of Notafela area, Protection work at Kholia area, D/S of Arampur spur no.3 upto Balarampur Road Bridge, D/S Bhekapeta embkt. upto Amlaguri, D/S of Jhaljali area, U/S Bhelapeta embankment, D/S Bhuchungamari embankment, D/S Chilakhana B.P. Work, D/S of Railway Bridge at Chilakhana area, D/S of Krishnapur embkt. at Jhaljhal area, Balabhut Jhwkuthi area.	
4		Dharala	Kodaldhowa, Jinaikuri, Mathabhanga-II, Mathabhanga-I, Dinhata-I, Kurshamari, Jorpatki, Nishiganj-I, Gitaldaha-II		Apron, pitching and round sausage dragged down	Kodaldhowa B.P., Jinalkuri scheme	Abasratanpur Muslimpara Village area, Jorpatki Village area, Bochagari Village area, D/S of Kodaldhowa B.P. Work, D/S of Abasratanpur B.P. Work, Bharampaisty Ghoshpara Gitaldaha area	
5		Gadadhar	Santoshpur, Dwarikamari, Nepalerkatha, Tufanganj-I, Andaran Fulbari, Natabari - I & II, Deochari, Chilkhana - I & II		Apron, pitching and round sausage dragged down	Gadadhar embankment, Santoshpur embankment Dwarikamari B.P., Nepalerkatha B.P.	Jagir Chilakhana area, Balghat area, Deocharai area, Santoshpur area	
6		Raidak-II	Mahiskuchi, Ghosko Ghoinapara, Bosepara, Takuamari, Tufanganj-II, Mahiskuchi-I & II, Rampur-I & II		Apron, pitching and round sausage washed out	Mahiskuchi embankment, Gadadhar Ghosko Ghonapara B.P., Mahiskuchi spur, Bosepara B.P., Takuamari embankment	Khagribari area, Takumari Bhush Para area, Chotolowkuthi area adjacent to Assam Border, Madhurbhasa area, Uttar Ghoska area	

Sl. No.		River	Damaged Site / Police Station / Block /G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
7	COOCHBEHAR	Sutunga	Nayerhat, Kousherierghat, Mathabhanga - I, Nayerhat, Hazizhat - II, Pachagar, Sikarpur		Apron, pitching and round sausage dragged down	Nayerhat B.P., Kousherierghat B.P.	U/S & D/S of Koslergar B.P. Work, Bhaish Khowa kura village area, Gadolerkuthi Village area, Southbhnagomore Village area	
8		Raidak-I	Dwiperpar, Tufanganj-I & II, Nagkatgach, Barokodali-II, Dhalpal & Nagkatgach		Apron, pitching and round sausage washed out	Dwiperpar B.P.	Rajarkuthi, Jogipara, Nayachar Diperpar, Diper par Bazar, Manindra Setu, Langalgram area, Deba Gram, Uttardhandial, Chikliguri, Debgram, Rajarkuthi area, Debagram part-II, Ambari Bazar area, Dakshin Chilakhana	
9		Sankosh	Tufanganj-II				Falimari area	
10		Jaldhaka	Mathabhanga - II, Hazrahat - I, Kederhat, Fulbari				Uttar Doibhangi Village area (U/S of Uttar Doibhangi Spur) Nityanandi Inderkuthi Village area Dakshin Doribosh village area (In between spur no.1 & 2 of Fulbari Doribosh embkt.) Fulbari Doribosh village area	
11		Mujnai	Mathabhanga-II, Barosolmari				Purba Singijani village area, West Mukuldanga village area (D/S of Chanachalghat)	
12		Dudua	Mathabhanga-II, Fulbari				Uttar Doribosh village area	
13		Singimari	Satai, Brchatra				Natunbosh & 538 Singimari area in P.S. Sitai	
14		Giridhari	Dinhata - I, Giridhari				Jari Dharala village area	

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Sl. No.	District	River	Damaged Site / Police Station / Block / G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
1	Jalpaiguri	Sankosh	Kathaltala Jaldapara Colony Simlibari-Laxmibari Chengpara Purba Salbari Jaraguri P.S. & Block - Kumargram.		Severely Severely Severely Severely Severely Severely	800 m 300 m 600 m 60 m 100 m 550 m		
2		Raidak	New land Nepali Basti 8 No. Basti Chepani P.S. & Block - Kumargram		Severely Severely Severely Severely	250 m		
3		Raidak-II	West Joydebpur Boulguri Joydebpur Chonhans Para P.S. & Block - Kumargram	Subsidence completely	Severely Severely Severely	400 m 300 m 450 m		
4		Jhawalajhora	Turturi Khanda	Breached	Severely	150 m & 600 m		
5		Kaljani	Birapa Uttar Chakuaketi P.S. - Alipurduar Block - Alipurduar-I		Severely Severely	300 m 200 m		
6		Turturi	Turturi P.S. - Samuktala Block - Alipurduar-II		Severely	200 m		
7		Garam	Banchukamari Alipurduar P.S. - Alipurduar Block - Alipurduar-I		Severely Severely	300 m 160 m		
8		Dima & Kaljani	Alipurduar T.P. P.S. - Alipurduar Block - Alipurduar-I		Partially	3750 m		

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Sl. No.	District	River	Damaged Site / Police Station / Block / G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
9 10	Jalpaiguri	Dima Torsa	Alipurduar Dalsingpara Subhasini P.S. - Kalchini Block - Joygaon-I & Kalchini	Subsidence completely Breached	Partially Severely	145 m 250 m 200 m. & 500 m		
11		Pana	Sikari & Radharani P.S. - Kalchini Block - Kalchini		Severely	350 m 250 m		
12		Jayanti	Jayanti Bazar P.S. - Kalchini Block - Kalchini Joypur P.S. - Samuktala Block - Alipurduar-II		Severely Partially	550 m 250 m		
13		Cheko	Chengpara Embankment P.S. - Alipurduar Block - Alipurduar-II		Severely	150 m		
14		Jaldhaka	Dambari UP of NH Bridge Bamandanga Dambari-Patkidaha P.S. - Dhupguri & Nagrakata Block - Dhupguri & Nagrakata		Severely Severely Severely Severely	500 m 450 m 175 m 550 m		
15		Pagla	Lankapara P.S. - Madarihat Block - Madarihat & Birpara		Severely	250 m		
16 17		TitiBangri Daina	Titi Bangri Chengmari Dhumpara P.S. - Nagrakata Block - Nagrakata		Partially Severely Severely	210 m 1300 m 250 m		

Sl. No.	District	River	Damaged Site / Police Station / Block / G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
18	Jalpaiguri	Dudua	Balasundar P.S. - Dhupguri Block - Dhupguri		Partially	300 m		
		Reti-Sukriti	Reti-Sukriti embankment at Chamuchi P.S. - Dhupguri Block - Dhupguri		Severely	250 m		
19		Buxajhora	19 Mile Basti P.S. & Block - Kalchini		Severely	350 m		
20		Kuchi Diana	Gasmari	Subsidence	Severely	260 m		
			Tikanpara		Severely	350 m		
21		Raidak	Nararthali Kamahyaguri Irrigation Scheme		Severely	500 m		
22		Sibkata	Sibkata Irrigation Scheme	Washed away	Severely	300 m		
23		Mujnai	Mujnai Irrigation Scheme	Washed away	Severely	100 m		
24		Mahananda	Damaged Site : Kamrangaguri Embankment on the left bank of river Mahananda. P.S. - Bhaktinagar, Block - Rajganj, G.P. - Village Kamrangaguri	Nil	Severely damaged	300 m	Nil	Nil
25		Mahananda	Damaged Site : D/S of Simliguri-Bowbazar including Samarnagar area along the right bank of river Mahananda. P.S. - Bhaktinagar, Block - Rajganj, G.P. - Debgram- I	Nil	Severely damaged	700 m	Nil	Nil

D-13

Sl. No.	District	River	Damaged Site / Police Station / Block /G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
26	Jalpaiguri	Mahananda	Damaged Site : Dadabhai Colony area along the left bank of river Mahananda. P.S. - Bhaktinagar, Block - Rajganj, G.P. - Debgram - I.	Nil	Severely damaged	150 m	Nil	Nil
27		Mahananda	Damaged Site : Pramod Nagar area along the left bank of river Mahananda. P.S. - Bhaktinagar, Ward No.42 of SMC, Siliguri.	Nil	Severely damaged	280 m	Nil	Nil
28		Mahananda	Damaged Site : Salugara area along the left bank of river Mahananda. P.S. - Bhaktinagar, Block - Rajganj, G.P. - Debgram- I	Nil	Severely damaged	150 m	Nil	Nil
29		Mahananda	Damaged Site : Dim Dima Busty area along the left bank of river Mahananda. P.S. - Bhaktinagar, Block - Rajganj, G.P. - Debgram- I	Nil	Severely damaged	200 m	Nil	Nil
30		Mahananda	Damaged Site : Betgara area along the left bank of river Mahananda. P.S. - Bhaktinagar, Block - Rajganj, G.P. - Debgram- I	Nil	Severely damaged	600 m	Nil	Nil

D-14

Statement - I Damages to Embankments and Structures in different District - 2011

Sl. No.	District	River	Damaged Site / Police Station / Block / G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
1	M A L D A	Fulahar	Debipur - Kahala Anchal P.S. - Ratua, Block - Ratua I G.P. - Debipur & Kahala Village - Debipur - Kahala	1100 Mtr.	-	1100 Mtr.	1300 Mtr.	-
2		Fulahar	Namotola P.S. - Ratua, Block - Ratua I G.P. - Debipur, Village - Namotola	-	-	-	1000 Mtr.	-
3		Fulahar	Miahat P.S. - H.C.Pur, Block - H.C.Pur-II G.P. - Daulat Nagar, Village - Miahat	-	-	-	1200Mtr.	-
4		Fulahar	Khidirpur P.S. - H.C.Pur, Block - H.C.Pur-II G.P. - Daulat Nagar, Village - Khidirpur	-	-	-	1200 Mtr.	-
5		Fulahar	Bhaluka Bazar P.S. - Ratua & H.C.Pur Block - Ratua - I & H.C.Pur - II G.P. - Debipur & Bhaluka Village - Bhaluka	-	-	-	800 Mtr.	-
6		Fulahar	Teljana P.S. - H.C.Pur, Block - H.C.Pur-II G.P. - Daulat Nagar Village - Daulat Nagar	-	Severely damaged dau shutter & Railling of Teljana sluice	-	-	Draw Shutter arrangement non functioning
7		Fulahar	Ramayanpur & Mahanandatola P.S. - Ratua, Block - Ratua I G.P. - Belaimari Village - Ruhimari	-	-	-	2500 Mtr.	-
8		Fulahar	Kamalapur, Sujapur, Gopalpur, Nandanpur P.S. - Ratua, Block - Ratua I G. P. - Kahala Village - Kamalpur, Sujapur, Gopalpur, Nandanpur	-	-	-	3500 Mtr.	-

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PANCHET DAM
READING TIME 6.00 A.M.
CONSERVATION LEVEL-124.97M /410.0 FT

DATE	LEVEL	INFLOW IN CUSEC	OUTFLOW IN CUSEC
14-Aug-11	419.7744	87653.73	97360.39
15-Aug-11	419.77	87653.73	97360.39
16-Aug-11	417.8064	52867.11	59324.37
17-Aug-11	418.1016	61827.50	50000.96
18-Aug-11	418.528	57514.77	41561.51
19-Aug-11	419.676	38721.68	54726.17
20-Aug-11	417.8064	31832.33	54478.86
21-Aug-11	415.74	30065.83	48896.72
22-Aug-11	413.772	17700.33	32962.89
23-Aug-11	412.788	13390.07	13390.07
24-Aug-11	412.5912	13390.07	13390.07
25-Aug-11	412.7224	11887.06	10871.55
26-Aug-11	412.2304	14944.59	27345.42
27-Aug-11	412.2304	14944.59	27345.42
28-Aug-11	409.7704	15121.24	22081.25
29-Aug-11	409.7704	11665.93	11658.90
30-Aug-11	410.0328	11547.19	9917.48
31-Aug-11	409.8688	8125.90	13354.74
1-Sep-11	409.11	6536.05	13354.74
2-Sep-11	408.40	10033.70	13354.70
3-Sep-11	407.80	8267.20	13178.10
4-Sep-11	407.80	14803.30	13178.00
5-Sep-11	408.50	21975.30	13708.00
6-Sep-11	409.90	18406.90	13178.00
7-Sep-11	412.00	13354.70	9958.00
8-Sep-11	410.50	9433.10	13178.00
9-Sep-11	410.10	12612.80	12613.00
10-Sep-11	412.00	38757.00	37732.00
11-Sep-11	411.70	25861.60	37909.00
12-Sep-11	412.20	19749.50	12295.00
13-Sep-11	412.70	13390.10	13375.00
14-Sep-11	412.10	13390.10	13375.00
15-Sep-11	411.60	13213.40	13198.00
16-Sep-11	408.40	13213.40	13198.00
17-Sep-11	413.20	34800.10	13375.00
18-Sep-11	414.80	26320.90	21773.00
19-Sep-11	415.70	33280.90	21597.00
20-Sep-11	415.40	36637.20	43547.00
21-Sep-11	415.00	24943.00	27208.00
22-Sep-11	415.20	34089.20	27208.00
23-Sep-11	415.10	32110.60	33174.00
24-Sep-11	414.10	29148.70	34008.00
25-Sep-11	414.10	32677.60	34982.00
26-Sep-11	413.30	27384.30	35419.00
27-Sep-11	414.20	21922.40	15141.00
28-Sep-11	414.50	14740.30	12172.00
29-Sep-11	414.50	12106.40	12106.00
30-Sep-11	414.30	4703.50	5992.00
1-Oct-11	414.50	4481.70	0.00
2-Oct-11	414.80	2895.80	552.00
3-Oct-11	415.10	2293.80	0.00
4-Oct-11	415.30	2364.00	507.00
5-Oct-11	415.10	2208.60	3538.00

PANCHET DAM
READING TIME 6.00 A.M.
CONSERVATION LEVEL-124.97M /410.0 FT

DATE	LEVEL	INFLOW IN CUSEC	OUTFLOW IN CUSEC
6-Oct-11	415.00	0	3538.00
7-Oct-11	414.90	0	0.00
8-Oct-11	414.70	2077.70	3910.00
9-Oct-11	415.20	688.10	0.00
10-Oct-11	415.80	3357.90	0.00
11-Oct-11	415.80	2879.40	1256.00
12-Oct-11	415.90	2359.90	1272.00
13-Oct-11	415.90	2249.50	2524.00

MAITHON DAM
 READING TIME 6.00 A.M.
 CONSERVATION LEVEL-146.31M /480.0 FT

DATE	LEVEL	INFLOW IN CUSEC	OUTFLOW IN CUSEC
1-Jun-11	N.A.	N.A.	N.A.
2-Jun-11	NA	N.A.	N.A.
3-Jun-11	NA	NA	NA
4-Jun-11	NA	NA	NA
5-Jun-11	NA	NA	NA
6-Jun-11	NA	NA	NA
7-Jun-11	364.71	NA	N.A.
8-Jun-11	N.A.	N.A.	N.A.
9-Jun-11	N.A.	N.A.	N.A.
10-Jun-11	N.A.	N.A.	N.A.
11-Jun-11	N.A.	N.A.	N.A.
12-Jun-11	N.A.	N.A.	N.A.
13-Jun-11	N.A.	N.A.	N.A.
14-Jun-11	N.A.	N.A.	N.A.
15-Jun-11	N.A.	N.A.	N.A.
16-Jun-11	N.A.	N.A.	N.A.
17-Jun-11	N.A.	N.A.	N.A.
18-Jun-11	N.A.	N.A.	N.A.
19-Jun-11	452.15	N.A.	N.A.
20-Jun-11	463.04	51258.36	320.00
21-Jun-11	467.47	22081.25	254
22-Jun-11	470.68	N.A.	N.A.
23-Jun-11	470.61	445.16	256.85
24-Jun-11	470.88	2088.32	958.17
25-Jun-11	471.32	4033.27	2321.53
26-Jun-11	471.53	4840.21	1964.35
27-Jun-11	471.73	9660.28	8898.21
28-Jun-11	471.89	10060.78	9102.63
29-Jun-11	472.81	14094.12	8627.63
30-Jun-11	472.45	6883.27	9053.49
1-Jul-11	471.93	5011.91	8119.89
2-Jul-11	472.22	9344.79	7603.72
3-Jul-11	472.22	1117.84	1117.84
4-Jul-11	471.76	6094.43	8797.17
5-Jul-11	470.88	3824.47	8942.73
6-Jul-11	470.81	8376.74	8751.24
7-Jul-11	470.81	8844.65	8844.65
8-Jul-11	469.37	N.A.	176.03
9-Jul-11	470.81	8376.74	8844.65
10-Jul-11	470.81	8376.74	176.03
11-Jul-11	N.A.	N.A.	N.A.
12-Jul-11	467.96	2084.48	1949.10
13-Jul-11	467.92	N.A.	N.A.
14-Jul-11	467.79	N.A.	N.A.
15-Jul-11	467.89	N.A.	N.A.
16-Jul-11	466.97	2084.48	N.A.
17-Jul-11	467.79	N.A.	N.A.
18-Jul-11	466.97	N.A.	N.A.
19-Jul-11	466.97	N.A.	N.A.

MAITHON DAM
READING TIME 6.00 A.M.
CONSERVATION LEVEL-146.31M /480.0 FT

DATE	LEVEL	INFLOW IN CUSEC	OUTFLOW IN CUSEC
20-Jul-11	466.97	N.A.	N.A.
21-Jul-11	467.33	2812.97	1797.59
22-Jul-11	468.37	6769.19	1982.51
23-Jul-11	468.37	3562.43	4090.65
24-Jul-11	468.37	6769.19	1988.52
25-Jul-11	468.37	3562.43	4090.65
26-Jul-11	468.37	1429.06	4053.80
27-Jul-11	468.37	2499.63	4053.80
28-Jul-11	468.37	868.06	1216.16
29-Jul-11	468.37	0.00	2395.44
30-Jul-11	466.58	0.00	3439.73
31-Jul-11	468.37	0.00	4053.80
1-Aug-11	468.37	5478.76	3419.13
2-Aug-11	468.37	22345.02	3443.69
3-Aug-11	468.37	5373.55	3473.57
4-Aug-11	468.37	3959.79	3263.43
5-Aug-11	468.37	3939.15	3590.94
6-Aug-11	468.37	97616.79	30454.46
7-Aug-11	N.A.	N.A.	N.A.
8-Aug-11	472.91	N.A.	N.A.
9-Aug-11	475.27	36901.83	20338.60
10-Aug-11	479.11	34334.47	8492.52
11-Aug-11	481.64	25280.98	3812.11
12-Aug-11	484.06	15807.06	4484.19
13-Aug-11	484.06	3638.99	1413.20
14-Aug-11	485.18	10609.49	4578.20
15-Aug-11	485.18	10609.49	4578.20
16-Aug-11	486.39	14859.84	11436.63
17-Aug-11	487.01	6076.76	14449.97
18-Aug-11	487.80	32888.70	39141.40
19-Aug-11	485.05	7489.96	12118.19
20-Aug-11	483.41	7807.93	12294.84
21-Aug-11	481.01	11473.48	26271.90
22-Aug-11	480.82	1660.51	6011.12
23-Aug-11	480.55	3335.55	4565.94
24-Aug-11	480.49	4416.25	4910.87
25-Aug-11	481.18	9987.09	4786.76
26-Aug-11	481.18	N.A.	N.A.
27-Aug-11	481.18	N.A.	N.A.
28-Aug-11	480.16	1731.17	1731.17
29-Aug-11	479.27	3951.43	4876.84
30-Aug-11	479.57	2997.35	4839.99
31-Aug-11	479.04	1916.34	1687.04
1-Sep-11	480.00	1707.51	1015.50
2-Sep-11	480.30	1511.00	1052.30
3-Sep-11	480.70	2013.80	0.00
4-Sep-11	481.10	4508.10	106.00
5-Sep-11	481.30	4143.90	205.00
6-Sep-11	481.90	4310.30	0.00
7-Sep-11	481.50	3038.30	1028.00
8-Sep-11	481.90	0.00	0.00
9-Sep-11	482.00	282.60	2508.00
10-Sep-11	482.40	7313.30	5088.00
11-Sep-11	482.40	3038.40	5264.00
12-Sep-11	482.20	1660.50	1661.00
13-Sep-11	482.30	1731.20	1729.00
14-Sep-11	482.40	1660.50	1659.00
15-Sep-11	482.40	4027.60	1694.00
16-Sep-11	482.60	4027.60	1764.00

MAITHON DAM
 READING TIME 6.00 A.M.
 CONSERVATION LEVEL-146.31M /480.0 FT

DATE	LEVEL	INFLOW IN CUSEC	OUTFLOW IN CUSEC
17-Sep-11	482.70	8100.10	4933.00
18-Sep-11	483.00	1483.90	1482.00
19-Sep-11	484.80	8903.20	1482.00
20-Sep-11	485.40	3250.40	3247.00
21-Sep-11	485.70	4274.90	1870.00
22-Sep-11	486.50	8963.40	8963.00
23-Sep-11	486.20	22102.30	33346.00
24-Sep-11	484.80	5434.50	18843.00
25-Sep-11	484.80	5399.20	15010.00
26-Sep-11	484.50	3070.10	14994.00
27-Sep-11	484.50	6973.50	6434.00
28-Sep-11	484.70	6241.30	5423.00
29-Sep-11	484.60	5411.10	4511.00
30-Sep-11	484.40	3922.30	4941.00
1-Oct-11	485.00	1762.80	0.00
2-Oct-11	484.80	2953.00	237.00
3-Oct-11	484.80	2065.40	0.00
4-Oct-11	484.90	2253.60	605.00
5-Oct-11	485.10	2094.10	1542.00
6-Oct-11	485.40	0.00	1935.00
7-Oct-11	485.10	0.00	0.00
8-Oct-11	485.30	3231.10	1575.00
9-Oct-11	486.10	10433.60	4004.00
10-Oct-11	485.60	4552.20	5395.00
11-Oct-11	485.60	2036.80	5399.00
12-Oct-11	485.20	2094.10	5423.00
13-Oct-11	484.90	2204.50	5231.00

Sl. No.	District	River	Damaged Site / Police Station / Block /G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
9	M A L D A	Ganga	Janjalitola, Mahanandatola, P.S. - Ratua, Block - Ratua I G.P. - Mahanandatola Village - janjalitola, Mahanandatola.	-	-	-	5000 Mtr.	-
10		Mahananda	Galimpur P.S. - Chanchal, Block - Chanchal I G.P. - Matiharpur Village - Galimpur.	-	-	-	1300 Mtr.	-
11		Mahananda	Islampur & Khidirpur P.S. - Chanchal, Block - Chanchal I G.P. - Kharba Village - Islampur & Khidirpur.	-	-	-	1400 Mtr.	-
12		Mahananda	Balarampur P.S. Chanchal, Block - Chanchal-II G.P. - Chandrapara Village - Chandrapur & Balarampur	-	-	-	1350 Mtr.	-
13		Mahananda	Jadupur P.S. Chanchal, Block - Chanchal-II G.P. - Chandrapara Village - Jadupur.	-	-	-	500 Mtr.	-
14		Mahananda	Khanpur P.S. Chanchal, Block - Chanchal-II G.P. - Chandrapara Village - Khanpur	-	-	-	1250 Mtr.	-
15		Mahananda	Bhabanipur P.S. Chanchal, Block - Chanchal-II G.P. - Chandrapara Village - Bhabanipur.	-	-	-	500 Mtr.	-
16		Mahananda	Ashapur P.S. Chanchal, Block - Chanchal-I G.P. Kharba Village - Ashapur.	-	-	-	1700 Mtr.	-

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Sl. No.	District	River	Damaged Site / Police Station / Block /G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
17	M A L D A	Mahananda	Kuchila P.S. - Ratua, Block - Ratua- II G.P. - Sripur - I Village - Kuchila.	-	-	-	800 Mtr.	-
18		Mahananda	Raninagar P.S. - Ratua, Block - Ratua- II G.P. - Sripur - I Village - Raninagar.	-	-	-	500 Mtr.	-
19		Mahananda	Harirampur P.S. - Ratua, Block - Ratua- II G.P. - Sripur - I Village - Harurampur & Gobindapur.	-	-	-	1400 Mtr.	-
20		Ganga	Dowarf Bundh of length 2500 m at Panchanandapur have been badly damaged (Raising & strengthening urgently needed) Block & P.S. - Kaliachak-II		Partially Damaged 100 M	-		
21		Ganga	Bank erosion occur at village Dheparua and Sultantala of length 500 m which is 700 m ahead from Marginal embankment. Block & P.S. - Kaliachak-II				Slip occurred 500 m x 2 m	
22		Ganga	Ring bundh of spill checking embankment at village-Chak Bahadur Pur have been badly damaged. (parmanent protection work with boulder toe wall with pitching urgently needed of length 120 m). Block & P.S. - Kaliachak-III			120 M		

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Sl. No.	District	River	Damaged Site / Police Station / Block / G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
23	MALDA	Ganga	Bank erosion occur at village Kamaltipur, Block & P.S. Manikchak of length 400 m.		Partially Damaged		400 m x 3 m	
24		Ganga	4th & 5th Retd. Embankment of length 2.70 km & 3.60 km have been badly damaged in Block & P.S. Manikchak.		Partially Damaged			1 No.
25		Ganga	6th & 7th Retd. Embankment of length 2.40 km & 4.70 km have been badly damaged in Block & P.S. Manikchak & English Bazar.		Partially Damaged due to formation of rain cut			
26		Ganga	Bank erosion occur at village Rajkumartola, Munilaltola & Durlabtola of length 4.50 km & circuit embankment of length 3.00 km have been eroded.	3000 M of the Circuit Embankment has been engulfed	Severely damaged of 2000 M Circuit Embankment		Bank erosion 4.50 km x .3 km	
27		Mahananda	Rajaramchak Pabanapara, Alinagar Dighir Danra Budhiya Block Gazole. Satghoria Block Gazole Babupara Block Gazole Gopalpur to Gauda More Enclish Bazar Itakola Anandipur Old Malda Dobapara Old Malda Gahula Danra Old Malda		Partially damaged - 60 m Partially damaged -20 m Partially damaged - 100 m Partially damaged - 300 m Partially damaged -300 m Partially damaged - 70 m Partially damaged -250 m Partially damaged - 100 m		400 m x 2 m	One 10 vent

Sl. No.	District	River	Damaged Site / Police Station / Block /G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
27	M A L D A	Srimati	Mahishbathani Old Malda Pirgange, Satmara Ratua-II Mahakalbona, Ber Gazole Mariyakundu Gazole		Severely - 100 m Severely - 50 m Severely - 1200 m Partially - 40 m			One 4 vent
28		Punarbhaba	Village road washed out of length 60 m at rifht bank at village Barshipara at Block & P.S. Bamongola.	1 No. 50 M width				
29		Punarbhaba	Right Bank erosion at Amtoli village of length 90.00 M. (permanent protection work urgently needed) At Block & P.S. - Bamongola.		Partially damaged		90 m x 1.5 m	
30		Punarbhaba	Right Bank erosion at Kupadaha village of length 500.00 M. At Block & P.S. - Bamongola		Partially damaged		5 m x 3 m	
31		Tangon	Left Bank erosion at Parhabinagar village (scheme submitted) At Block & P.S. - Bamongola.		Partially damaged		15 m x 1 m	
32		Tangon	Settled down soil ground of Aiho High School just Left Bank of river Tangon.) At Block & P.S. - Habibpur.		Partially damaged		30 m x 15 m x 2.50 m	

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Statement - I Damages to Embankments and Structures in different District - 2011

Sl. No.	District	River	Damaged Site / Police Station / Block /G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
1	Murshidabad	Ganga	Aurangabad Girls' High School / Suti / Suti - I / Aurangabad G.P. - II Aurangabad	NIL	NIL	Yes, Severely damaged length 44.00 M.	NIL	NIL
2		Ganga	Lakshinagar / Samserganj / Samserganj / Dhuliyar Municipality Ward - 4, Lakshminagar	NIL	NIL	a) Yes Severy damaged Length -110 M. (Slope and apron) b) Yes, Particulars damaged Length - 390 M. (apron)	NIL	NIL
3		Ganga	Islampur / Suti / Suti-II / Lakshmipur, Islampur	NIL	NIL	NIL	Bank erosion Length - 500 M.	NIL
4		Ganga	Hasanpur / Suti / Suti - II / Lakmipur, Hasanpur	NIL	NIL	NIL	Bank erosion Length - 200 M.	NIL
5		Ganga	Up stream of Customghat / Suti / Suti - II, Jagtai	NIL	NIL	NIL	Bank erosion Length - 1000 M.	NIL
6		Ganga	Kakdipara / Samserganj / Samserganj / Dhuliyar Municipality Ward No.I	NIL	NIL	Severely damaged Length - 75 M.	NIL	NIL
7		Bhagirathi	Alampur / Suti / Suti - I / Ahiran, Alampur	NIL	NIL	Severely damaged slope and apron fully washed out Length - 200 M.	NIL	NIL
8		Bagmari	Mahespur / Farakka / Farakka / Maheshpur / Mahespur	NIL	NIL	NIL	Bank erosion at offtake point of river Bagmari Length - 90 M.	NIL
9		Bagmari	Mahadebnagar / Farakka / Farakka / Mahadebnagar / Mahadebnagar	NIL	NIL	NIL	Bank erosion Length - 165 M.	NIL

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Sl. No.	District	River	Damaged Site / Police Station / Block / G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
10	Murshidabad	Ganga	Lalpur Mosque / Samserganj / Samserganj / Dhulian Municipality / Ward No.18 / Lalpur	NIL	NIL	Severely damaged Length - 50 M.	NIL	NIL
11		Bhagirathi	Chaltabari / Sagardighi / Sagardighi / Patkeldanga / Chaltabari	NIL	NIL	NIL	Bank erosion (R / B) Length - 1400 M.	NIL
12		Bhagirathi	Dhanpatnagar / Raghunathganj / Raghunathganj - I / Jangipur Municipality / Ward No.8 / Infront of Jhaksha	NIL	NIL	Yes, Severely damaged Length - 100 M.	NIL	NIL
13		Bhagirathi	Jangipur College ghat / Raghunathganj / Raghunathganj - I / Jangipur Municipality / Ward No.9 / Jangipur.	NIL	NIL	Yes, Severely damaged Length - 200 M.	NIL	NIL
14		Bhagirathi	Sujapur Charka Village / Raghunathganj / Dafarpur G.P. / Raghunathganj - I	NIL	NIL	Yes, Severely damaged Length - 200 M.	NIL	NIL
15		Bhagirathi	Sujapur Charka Mazar / Raghunathganj Raghunathganj - I / Dafarpur G.P.	NIL	NIL	Yes, Severely damaged Length - 150 M.	NIL	NIL
16		Bhagirathi	Raninagar G.P. / Raghunathganj / Raghunathganj - I / Raninagar / Raninagar	NIL	NIL	Yes, Severely damaged Length - 100 M.	NIL	NIL

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Sl. No.	District	River	Damaged Site / Police Station / Block / G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
17	Murshidabad	Bhagirathi	Kassiadanga Durga Mondir / Raghunathganj / Raghunathganj - I / Kassiadanga G.P. / Kassiadanga	NIL	NIL	Yes, Severely damaged Length - 100 M.	NIL	NIL
18		Bhagirathi	Khodalpur / Raghunathganj / Raghunathganj - I / Raninagar G.P. / Khodalpur	NIL	NIL	Yes, Severely damaged Length - 200 M.	NIL	NIL
19		Ganga / Padma	Moya / Lalgola / Lalgola G.P. Moya / Moya	NIL	NIL	Yes, Severely damaged Length - 700 M.	NIL	NIL
20		Ganga / Padma	Chintamony / Lalgola / Lalgola / Khandua / Chintamony	NIL	NIL	Yes, Severely damaged Length - 300 M.	NIL	NIL
21		Ganga / Padma	Sekhalipur / Lalgola / Lalgola / Boira / Sekhalipur	NIL	NIL	Yes, Severely damaged Length - 400 M.	NIL	NIL
22		Bhagirathi	Gadi Dahapara / Sagardighi / Sagardighi / Gadi Dahapara	NIL	NIL	NIL	Bank erosion (R/B) Length - 500 M.	NIL
23		Kuiya-Babla	Site : Jamaibabur Gher P.S. : Bharatpur Block : Bharatpur-II G.P. : Amlai Village : Amlai				Slip	
24		Kuiya-Babla	Site : Sri Krishnapur P.S. : Kandi Block : Kandi G.P. : Natungram Village : Srikrishnapur				Slip	

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Sl. No.	District	River	Damaged Site / Police Station / Block / G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
25	Murshidabad	Kuiya-Babla	Site : Madampur P.S. : Bharatpur Block - Bharatpur-I G.P. : Aligram Village : Madampur				Slip	
26		Kuiya-Babla	Site : Sahebnagar P.S. : Bharatpur Block - Bhasratpur-I G.P. : Amlai Village : Sahabnagar		Severely Damaged			
27		Bhagirathi	Satichura / Murshidabad / Murshidabad - Jiaganj				100 M	
28		Bhagirathi	Majherpara/Berhampore/ Berhampore				200 M	
29		Bhagirathi	Kalaberia / Berhampore / Berhampore				350 M	
30		Bhagirathi	Halapur / Berhampur / Berhampore				350 M	
31		Bhagirathi	Dayanagar / Beldanga / Beldanga - I		200 M partily at different places		-	
32		Bhagirathi	Rampara to Kadamkhali / Rejinagar / Beldanga - II		500 M partily at places		-	
33		Bhagirathi	Maganpara / Rejinagar / Beldanga - II				75 M	

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Sl. No.	District	River	Damaged Site / Police Station / Block / G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
34	Murshidabad	Bhagirathi	Basabari/Berhampore / Berhampore			300 M	-	
35		Bhagirathi	Binpara / Rejinagar / Beldanga - II				500 M	
36		Bhagirathi	Gauripur Malopara / Rejinagar / Beldanga - II				500 M	
37		Bhagirathi	Majhyampur/Beldanga/ Beldanga - II				500 M	
38		Bhagirathi	Basumati / Lalgola / Lalgola		300 M partly at places			
39		Bhagirathi	Nasipur / Lalgola / Lalgola			200 M		
40		Babla	From Lohadah Ghat to Main Gram / Rejinagar/Beldanga -II		500 M partly at places			
41		Brahmni	Milky / Nabagram / Nabagram		150 M partly at places			
42		Brahmni	Ratanpur / Nabagram / Nabagram				390 M Slip	
43		Dwarka	Jhulanpur / Nabagram / Nabagram				155 M Slip	
44		Dwarka	Barkatpur & Jurankandi / Nabagram / Nabagram				120 M Slip	

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Sl. No.	District	River	Damaged Site / Police Station / Block / G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
45	Murshidabad	Dwarka	Gantla pumphouse to Rameshwarpur Sluice / Kandi / Kandi		250 M partly at places			
46		Dwarka	Gobarhati / Kandi / Kandi		405 M severally at places			
47		Dwarka	Gosaindob / Kandi / Kandi		62 M severally at places		150 M Slip	
48		Dwarka	Jhulanpur / Nabagram / Nabagram	45 M				
49		Dwarka	Bogahati / Berhampore / Berhampore P.S. & Block - Kandi & Bharatpore - I	100 M				
50		Kana Mayurakshi	Kandi Laharpara a) Rangaball b) Bahara c) Hometala P.S. & Block - Kandi Bharatpur-I		100 M severally & 500 M partly at different places			
51		Mayurakshi	Panuti Mandalpur Embankment Talbona, Petari, Narayanpur, Modda, Panchthupi, Ruha, Chhapra, Kalatala, Mathpukur, U/S & D/S of Majher Bridge. P.S. & Block - Birwan & Bharatpur-I		700 M severally & 1100 M partly at different places			

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Sl. No.	District	River	Damaged Site / Police Station / Block / G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
52	Murshidabad	Mayurakshi	Dewar Vastore Embankment a) Vastore b) Mandra Chatpur Sundarpur Embankment a) Mahula b) Chitpur c) Hatisala d) Sundarpur Maliandi Beel Panchthupi Embankment a) D/S of Sundarban to U/S of Maliandi b) Maliandi c) D/S of Maliandi to Pulia d) Goda Village P.S. & Block - Burdwan		300 M Severely & 1200 M partly at different places 500 M Severely & 2000 M partly at different places 500 M Severely & 4000 M partly at different places		300 M / 900 M	
53		Kuya	Godda Kashipur Embankment a) Piren ghat b) Balichona P.S. & Block - Bharatpore-I		400 M Severely & 1100 M partly at different places			
54		Kuya & Bele	Sehalai Thakurani Chak Circuit Embankment Sehalai, Bhabanandapur, Parbatipur, Pipriguri, Sabitri-nagar, hazarbiga & other different Chainages P.S. & Block - Kandi & Bharatpur-I		4000 M Severely & 7000 M partly at different places		900 M / 1200 M	

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Statement - I Damages to Embankments and Structures in different District - 2011

Sl. No.	District	River	Damaged Site / Police Station / Block / G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
1	Uttar Dinajpur	Kulik	Kasba Bhatgara to Manbil / Raiganj / 10 No. Marnaipara / Augar	-	-	-	Slip / Rain cut	NIL
2	- Do -	- Do -	Elengai to Rudrakhanda Raiganj / Raiganj / 9 No. Gourianchal / Elengia	-	-	-	- Do -	NIL
3	- Do -	- Do -	Pratapurghat / Raiganj / Raiganj / 9 No. Gourianchal Pratapur	-	-	-	- Do -	NIL
4	- Do -	- Do -	NH 34 to Abdulghata / Raiganj / Raiganj / Kamalbari / Kamalbari	-	-	-	- Do -	NIL
5	- Do -	- Do -	Kantanagar to Kanchanpally / Raiganj / Raiganj / Raiganj Municipality / Kantanagar	-	-	-	- Do -	NIL
6	- Do -	- Do -	Shaktinagar to Kharmujaghat / Raiganj / Raiganj / Raiganj Municipality / Shaktinagar	-	-	-	- Do -	NIL
7	- Do -	Mahananda	Indran to Kharsotamore / Itahar / Itahar / Surun-I / Karsota	-	-	-	- Do -	NIL
8	- Do -	- Do -	Damdolia to Bajitpur / Itahar / Itahar / Bariol / Damdolia	-	-	-	- Do -	NIL
9	- Do -	- Do -	Chitalghata Embankment / Chopra / Chopra / Haptiagach / Chitalghata	-	Partly Damage	-	-	NIL
10	- Do -	Sui	Rajnagar to Hasuabeel / Itahar / Itahar / Dangapur / Rajnagar	-	-	-	- Do -	NIL

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Statement - I Damages to Embankments and Structures in different District - 2011

Sl. No.	District	River	Damaged Site / Police Station / Block /G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
1	Dakshin Dinajpur	Atrai	Rasulpur, Mohana, Safanagar, Kalikapur, Dakra, B T P embankment, Gangasagar, Block & P.S. - Kumarganj & Balurghat	-	-	Slope pitching & Toe Sausage Damaged	Severe Bank Erosion	8 Nos. Sluice partially damaged.
2	- Do -	Jamuna	Aptoir, Hili TP embankment Block & P.S. - Hili	-	-	- Do -	-	2 Nos. Sluice partially damaged.
3	- Do -	Purnarbhaba	Mallickpur, Debipur, Palpara, Goyalkhari, Rampara Chanchra, Guriapara, Jadavbati, Sukdevpur, Block & PS - Gangarampur & Tapan	-	-	- Do -	Severe Bank Erosion	6 Nos. Sluice partially damaged.
4	- Do -	Tangon	Jaypur, Shivkrishnapur, Mohanganj, Kholtore, Sihol, Bagduar, Block & PS - Kushmandi & Banshihari & Harirampur	-	-	- Do -	Severe Bank Erosion	8 Nos. Sluice partially damaged.

Statement - I Damages to Embankments and Structures in different District - 2011

Sl. No.	District	River	Damaged Site / Police Station / Block /G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
1	N A D I A	Bhagirathi	Methirdanga Embankment P.S. - Santipur Block - Santipur, G.P. - Haripur.	Length of Breach - 100 M	Partially			
2		Bhagirathi	Steamer Ghat P.S. - Santipur, Municipality - Santipur.				Left bank of river Bhagirathi for a length of 250 M.	
3		Bhagirathi	Sannyalchar P.S. - Chakdaha, Block - Chakdaha, G.P. - Chanduria - 2.			A length of 2000 M. of on going protection work on the left bank river Bhagirathi.		

Statement - I Damages to Embankments and Structures in different District - 2011

Sl. No.	District	River	Damaged Site / Police Station / Block /G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
1	Purulia			Nil	Nil	Nil	Nil	Nil

Statement - I Damages to Embankments and Structures in different District - 2011

Sl. No.	District	River	Damaged Site / Police Station / Block /G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
1	Bankura	Darakeswar Left Bank	Village - Janta Block Bishnupur	Nil	Nil	Existing river bank protection work like side slope pitching, toe wall etc. for a length of 43.30 meter.	Nil	Nil
2		Darakeswar Left Bank	Village - Ajodhya Block - Bishnupur	Nil	Nil	Existing river bank protection work like side slope pitching, toe wall, deflectors etc. for a length of 44.0 meter.	Nil	Nil
3		Darakeswar Left Bank	Village - Santipur Block - Bishnupur	Nil	Nil	Existing river bank protection work like side slope pitching, Apeon etc for a length of 158.00 meter.	Nil	Nil
4		Gandheswari Left Bank	Village - Banki Block - Bankura - II	Nil	Nil	Existing river bank protection work like side slope pitching, Apeon etc for a length of 210.00 meter.	Nil	Nil
5		Gandheswari Left Bank	Village - Kesiakole Block - Bankura - II	Nil	Nil	Existing side slope pitching, guard wall etc for a length of 98.00 meter & deflector for a total length of 80 meter.	Nil	Nil
6		Darakeswar Left Bank	Village - Parasia under Hetia G.P. Block - Joypur	Nil	Nil	Nil	Severe river bank erosion for a stretch of 1420 m	
7		Silabati left Bank	Village - Garara under Mechatora G.P. Block - Simlapal	Nil	Nil	Nil	Severe river bank erosion for a stretch of 410 m	

Statement - I Damages to Embankments and Structures in different District - 2011

Sl. No.	District	River	Damaged Site / Police Station / Block /G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
1	Birbhum	Brahmani	i) At Ch.385.00 to Left Embankment, P.S. : Nalhati, Block : Nalhati-II, Sitalgram G.P., Vill. Titydanga. ii) At Ch.24.50 Km., 24.60 Km., 25.0 Km. of Right Embankment, P.S. Margram, Block : Rampurhat-II, Dunigram G.P., near Vill. : Gopalpur. iii) At Ch.25.80 Km. of Right Embankment, P.S. : Margram, Block : Rampurhat-II, Dunigram G.P., near Vill. : Titydanga.	BREACH				
2	Birbhum	Kuia	P.S/ - Labpur Block - Labpur G.P. - Thiba Village - Brahaminpara Dist. Birbhum.	Breach by overtopping river enbankment about 250 mt.				

Statement - I Damages to Embankments and Structures in different District - 2011

Sl. No.	District	River	Damaged Site / Police Station / Block /G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
1	Purba Medinipur	Kaliaghai	Kaliaghai Right Bank, Gokulpur Circuit Embankment Block - Patashpur-I	NIL	3000 mtr	NIL	1000 mtr	NIL
2	-Do-	Kalaghai & Baghai	Gokulpur Circuit Embankment of Kaliaghai Right Embankment (in between 0.00 to 5.00) Block - Patashpur P.S. - Patashpur Mouza - Gokulpur G.P. - 1 No. Gokulpur		400.00 mtr		Slips, Rain cuts, Subsidence. Top Depression.	
3	-Do-	Kalaghai & Baghai	Gokulpur Circuit Embankment of Kaliaghai Right Embankment (in between Ch.5.000 Km & 9.325 Km) Block - Patashpur-I P.S. - Patashpur Mouza - Gokulpur G.P. - 1 No. Gokulpur		1500.00 mtr		Slips, Rain cuts, Subsidence. Top Depression.	
4	-Do-	Rupnarayan	Right Embankment Kolaghat/Kolaghat/Amalhanda/Babua Right Embankment Kolaghat/Kolaghat/Kola-I/Kola and Paikpari Right Bank Tamluk/Sahid Matangini/Sara/Kakharda Right Bank Tamluk/Tamluk/Tamluk Municipality- Ward No.14/Uttarchara Sankarara Right Bank Tamluk/Tamluk/Tamluk Municipality- Ward No.18/Dakshinchara Sankarara Rup-Right Schedule 'D' Embankment				80 90 300 700 800	8 Nos

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Sl. No.	District	River	Damaged Site / Police Station / Block / G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
			Nandakumar/Nandakumar/Ichapur/Mirpur Rup-Right Schedule 'D' Embankment Mahisdal/Mahisdal/Amritberia/Bar Amritberia Mahisdal/Mahisdal/Natshal/Ashrampara				160 70 20	
5	Purba Medinipur	Hoogly	Right Bank Mahisdal/Mahisdal/Geonkhali/Bhangagora Mahisdal/Mahisdal/Geonkhali/Hanskhali				35 110	3 nos.
6	-Do-	Haldi	Right Bank Mahisdal/Mahisdal/Banskhana				75	5 nos.
7	-Do-	Chandia	Left Embankment Mouza-Purusottompur/ Haridaspur/Jaigirchak/Ramchak/Raychak Ejmalichak/Sridharpur/Arangkiarana PS/Block-Moyna		Bamboo bridges (2 nos.)		600	2 nos.
8	-Do-	Kherai-Buxi	Right Embankment Mouza-Basantachak/Biswnumisrachak/ Brajaballavpur PS/Block-Moyna				170	
			Right Embankment Mouza-Basantachak/Biswnumisrachak/ Brajaballavpur PS/Block-Moyna				140	
			Left Embankment Mouza-Chak Radhaban/Kaloi/Mohanpur/ Bijoynagar PS/Block-Panskura				150	

Sl. No.	District	River	Damaged Site / Police Station / Block / G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
9	Purba Medinipur	New Cossye	Right Embankment Mouza-Prajabar/Ramchandrapur/Srikantha/ Tilkhoja/Chongra/Garsafat/Patna/ Shyamgunj/Pursha PS/Block-Moyna				250	
			Right Embankment Mouza-Allalpara/Manur/Nayapara PS/Block-Panskura				60	
			Right Embankment Mouza-Sherhati / Uriagar PS/Block-Panskura					
			Left Embankment Panskura/Panskura/Pratappur/Raibandh		30			
			Left Embankment Panskura/Panskura/Radhabullavchak /Purba Chill	50				
			Left Embankment Mouza-Jandra/Paschim Kalla of Panskura Municipality PS/Block-Panskura				35	
			Left Embankment Mouza-Chapadali/Belun/Mouza-Mohisdol/ Ranihati/.Ghol Maguri PS/Block-Panskura				100	
10	-Do-	Buxi	Right Embankment Mouza-Kalidan/Jardoi PS/Block-Panskura				200	2 nos.
			Left Embankment Mouza-Radhaban/Norui/Muralichak/ Paramhansapur PS/Block-Panskura				375	3 nos.

Sl. No.	District	River	Damaged Site / Police Station / Block / G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
11	Purba Medinipur	Kheria	Right Embankment Mouza-Nekra/Guria/Dhalsar/Atang/Saharda/ Gopinathchak PS/Block-Panskura				210	6 nos.
			Left Embankment Mouza-Lakhaguri/Harirampur/Guria, Dumdan/Norui PS/Block-Panskura				670	
12	-Do-	Durbachaty	Right Embankment Mouza-Malida/Jiakhali PS/Block-Panskuri				20	4 nos.
			Right Embankment Mouza-Baisnabchalk/Machinan/ Gourangachalk PS/Block-Kolaghat				165	
13	-Do-	Midnapur Main Canal	Panskura Block	Nil	Gotpota Escape d/s Toe wall damaged	Nil	Nil	Nil

Statement - I Damages to Embankments and Structures in different District - 2011

Sl. No.	District	River	Damaged Site / Police Station / Block / G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
1	Paschim Medinipur	Kaliaghai	Kaliaghai Left Bank, Paharpur & Daria, Bangaldari Circuit Embankment Block - Narayangarh, Sabang.	NIL	5000 mtr	500 mtr	2000 mtr	NIL
2		Kaliaghai	Kaliaghai Left Embankment & Paharpur Circuit Embankment In between Ch.11.595 Km & 14.200 Km Block - Narayangarh P.S. - Narayangarh Mouza - Gobindapur, Paharpur G.P. - 14 No. Khurshi Slips : At Ch.12.000 Km = 60.00 Mtr. Depression of Crest : From 11.595 Km to 11.895 Km =300.00 Mtr.			360.00 mtr Kaliaghai Left & Paharpur Circuit Embankment	Slips, Rain cuts, Depression of crest	
3		Kaliaghai	Duria (West) Circuit Embankment of Kaliaghai Left Embankment in between Ch.0.000 Km & 2.000 Km Block - Narayangarh P.S. - Narayangarh G.P. - 14 No. Khurshi Slips : At Ch.0.160 Km = 40.00 Mtr. Depression of Crest : From 1.50 Km to 3.00 Km =1500.00 Mtr.			90.00 mtr Duria (West) Circuit Embankment	Slips, Rain cuts, Depression of crest	
4		Kaliaghai	Duria (Eastt) Circuit Embankment, Kaliaghai Left Embankment & Dehati Circuit Embankment in between Ch.16.000 Km & 19.500 Km Block - Narayangarh & Saband Mouza - Duria, Rajpur, Dehati G.P. - 4 No. Dasagram Depression of Crest : From 17.450 Km to 19.450 Km. = 2000.00 Mtr.			2000.00 mtr Duria (East) Circuit Embankment & Kaliaghai Left Embankment & Dehati Embankment	Slips, Rain cuts, Depression of crest	

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Sl. No.	District	River	Damaged Site / Police Station / Block / G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
5	Paschim Medinipur	Kaliaghai	<p>Kaliaghai Left Embankment in between Ch.19.500 Km & 27.200 Km</p> <p>Bangaldari Circuit Embankment</p> <p>Block - Sabang</p> <p>P.S. - Sabang</p> <p>Mouza - Mansagram, Khaukunda, Koptipur, Kolonda, Bangaldari</p> <p>G.P. - 4 No. Dasagram</p> <p>Depression of Crest : From 20.800 Km to 21.600 Km. = 800.00 Mtr.</p> <p>From 27.000 Km to 27.200 Km = 200.00 Mtr.</p> <p>Slips :</p> <p>At Ch.23.600 Km = 40.00 Mtr.</p> <p>Bangaldari Circuit</p> <p>From 0.000 Km to 0.200 Km = 200.00 Mtr.</p>			<p>1240.00 Mtr</p> <p>Kaliaghai Left Embankment & Bangaldari Circuit Embankment</p>	Slips, Rain cuts, Depression of crest	
6		Kaliaghai	<p>Kharika Circuit Embankment & Kaliaghai Left Embankment</p> <p>In between Ch.27.600 Km & 35.500 Km.</p> <p>Block - Sabang</p> <p>P.S. - Sabang</p> <p>Mouza - Nedua, Dhamsai, Kharika, Sundarpur, Andulia, Bangaldari, Dasagram.</p> <p>G.P. - 6 No. Chaulkuri</p> <p>Depression of Crest : From 31.200 Km to 31.700 Km. = 200.00 Mtr.</p> <p>From 34.000 Km to 34.500 Km = 300.00 Mtr.</p> <p>Kharika Circuit</p> <p>From 0.000 Km to 0.350 Km= 350.00 Mtr.</p> <p>Slips :</p> <p>At Ch.23.600 Km = 40.00 Mtr.</p> <p>Bangaldari Circuit</p> <p>From 0.000 Km to 0.200 Km= 200.00 Mtr.</p>			<p>970.00 Mtr.</p> <p>Kaliaghai Left Embankment & Kharika Circuit Embankment</p>	Slips, Rain cuts, Depression of crest	

Sl. No.	District	River	Damaged Site / Police Station / Block / G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
7	Paschim Medinipur	Chandia	Left Embankment Mouza-Chandipur/Chawkchandipur/Pindrui PS/Block-Pingla				30	3 nos.
			Right Embankment Mouza-Bagnabar/Beluria/Naratha/Purusattampur/Narangadighi PS/Block-Pingla				550	
			Right Embankment Mouza-Sayamsundarpur/Bhemua/Dubrajpur/Mohar PS/Block-Sabang				90	
8		Durbachaty	M.C. Embankment Mouza-Sripur/Khukurdah/Arkhana PS/Block-Daspur I & II				310	2 nos.
9		Old Cossye	D.C. Embankment Daspur/Daspur-I/Nandanpur-II/Beharichak	40				5 nos.
			M.C. Embankment Daspur/Daspur-I/Nandanpur-I/Nijampur	70				
			M.C. Embankment Mouza-Rajnagar/Parbatipur/Basantapur/Gobindanagar/Sahapur/Arkhana/Banskhal/Kolora PS/Block-Daspur I & II				780	
10		Polaspai	C.C. Embankment Mouza-Ajuria/Polaspai/Sinhachak/Jotghanashyam/Polaspai/Satpota PS/Block-Daspur-II				230	3 nos.
			M.C. Embankment Mouza-Goura/Chaksultan/Sitapur/Nabinmanua/Rampur/Sitapur/Polaspai/Jotghanashyam/Kultikri PS/Block-Daspur-II				580	
11		Rupnarayan	C.C. Embankment Mouza-Harishpur,Kamalpur,Ranichak, Kaijuri/Benai/Mahisghata/Nischintapur PS/Block-Ghatal & Daspur II				730	4 nos.
			M.C. Embankment Mouza-Kultikri/Dudhkamra/Sribora PS/Block-Daspur II				140	

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Sl. No.	District	River	Damaged Site / Police Station / Block /G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
12	Paschim Medinipur	Silaboti	C.C. Embankment Mouza-Rajnagar, Ghatal Municipality PS/Block-Daspur I & Ghatal				310	1 nos.
13		Cossye Old Cossye New Cossye	0.00 Km to 14 Km. of TE1H1 Embankment in P.S.-KGP(L)G.P.-5/1&5/2, 14 Km.to 40 Km. of TE1H1 Embankment in P.S. Debra G.P. No.4,3&9.0.00 Km. to 14 Km. of TE2H2 Embankment in P.S. Debra G.P. No.7,1&2,14 Km. to 26 Km. of TE3H2 embankment in PS-Debra GP No.-2&8.	Mouza-Raipur at 30.30Km & 30.50 Km. of TE1H1 Embankment in P.S. Debra G.P. No.3 (Work Completed)	In Embakment TE1H1,TE2H2 & TE3H2 partly damaged due to heavy local rain & raising of flood water.	i)At Mouza Maheshpur Km of TE1H1 Embankment in P.S. KGP(L) G.P.No.5/1 boulder pitching partly damaged & toe protection damaged.	i)At Mouza Keshpur 12.50 km to 13.00 km of TE1H1 Embankment in P.S. KGP(L)	Rambhadrapur sluice in 13 KM of TE1H1 Embankment in PS KGP(L). Bhudhar sluice in 30.00 KM of TE1H1 embankment in PS Debra (Rambhadrapur Sluice completed)
						ii)At Mouza Rajpurapura 9.2KM to 11 KM of TE1H1 Embankment in P.S.KGP(L) gp.No.5/2 toe protection damaged..	ii)At Mouza lowada 37.60 KM to 38.00 KM of TE1H1 embankment in PS Debra.	
						iii)At Mouza Bhabanipur 3.6KM at TE2H2 embankment toe protection damaged. in P.S.Debra GP No.2	iii) (a) At Mouza Malighati 0.00 Km to 0.80 Km of TE2H2 embankment. (b) At Mouza Bhabanipur 3.6o Km to 3.80 Km of TE2H2 (c) At Mouza Asanpur of TE2H2.	
						iv) At mouza Patna & Asanpur 6.40 Km. to 7.40 Km. of TE2H2 embankment, protection work in brick block pitching	(d) At mouza Talbandhi10.40 Km. to 10.60 Km of TE2H2 embankment in P.S. Debra.	

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Sl. No.	District	River	Damaged Site / Police Station / Block / G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
		Cossye Old Cossye New Cossye				& dry brick pitching & toe protection work damaged in P.S. Debra, G.P. No. 1 v) At Mouza Tuina 14 Km. of TE2H2 embankment toe protection work of sausage damaged in P.S. Debra, G.P. No. 2. (Not yet taken up)	iv) At Mouza Jagannathpur & Birsinghapur 18.60 Km. to 18.80 Km. & 19.60 Km. to 19.80 Km. TE3H2 Embankment.	
14	Paschim Medinipur	Cossye	0.00 Km. to 17.00 Km. of Kalaichandi Phase-II flood embankment P.S. Kotoali Block Medinipur Sadae G.P. 8, Pathra.	Nil	The Kalaichandi flood, Phase-II Embankment has been partially damaged at different places due to heavy local rainfall and raising of flood water.	Nil	1) 0.00 KM. to 0.400 KM. = 400 M at mouza. 2) 0.60 Km. to 1.100 Km. = 500 M at mouza Binda Pathra. 3) 6.500 Km. to 7.500 Km. = 1000 M at mouza Mahatabnagar. 4) 7.500 Km. to 8.850 Km = 135 M at mouza Paljagul. 5) 9.00 Km. to 9.50 Km. = 500 M at mouza Jagul. 6) 10.55 Km. to 11.20 Km. = 650 M. at mouza Balipota.	Cherua sluice at mouza Cherua on Kolaichandi khal R/B mouza Cherua, P.S. Kotowali Block Medinipur Sadar.
			Kalaichandi Flood Embankment 1) From Ch.0.66 Km. to 2.400 Km., P.S. Kotowali, Block - Medinipur Sadar, G.P. 6/2, Panchkuri.	Nil	The Kalaichandi flood embankment (L/B & L/B have been partially damaged at different places due to heavy local rain fall and raising of flood water).	Nil		

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Statement - I Damages to Embankments and Structures in different District - 2011

Sl. No.	District	River	Damaged Site / Police Station / Block /G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
1	Burdwan	Ajoy	Site : Rasui P.S. : Ketugram Block : Ketugram-II G.P. : Billeswar Village : Rasui				Bank Erosion	
2	-Do-	Ajoy	Budra (6.20 Km.), Ausgram, ausgram-II, Bhedia, G.P. - Budra	NIL	Partially damaged	NIL	Side slip in berm and country side	NIL
3	-Do-	Ajoy	Santla (7.60 Km.), Ausgram, ausgram-II, Bhedia, G.P. - Santla	NIL	Partially damaged	Damages to protective work	NIL	NIL
4	-Do-	Ajoy	Kanthal Bagan (9.80 Km.), Ausgram, Ausgram-II, Bhedia G.P., Bhaghati.	NIL	Partially damaged	Damages to protective work	NIL	NIL
5	-Do-	Ajoy	Nabagram (17.50 Km.) P.S. & Block - Mongalkote, Paligram G.P. - Nabagram	NIL	Partially damaged	Damages to protective work	NIL	NIL
6	-Do-	Ajoy	Taldanga (22.50 Km.), P.S. & Block - Mongalkote, Lakuria G.P. - Taldanga	NIL	Partially damaged	Damages to protective work	NIL	NIL
7	-Do-	Ajoy	Malancha, Mouja - Malancha, G.P. - Bhedia, P.S. - Ausgram, Block - Ausgram-II	NIL	Partially damaged (Ch.517 to Ch.550 of Emb. No.29	Approx. 20 ch.	NIL	NIL

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Sl. No.	District	River	Damaged Site / Police Station / Block /G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
8	Burdwan	Bhagirathi	Char Kabirajpur P.S.-Katwa, Block - Katwa II G.P. - Agradwip	Nil	1.20 Km Partially Damaged	-	Bank Erosion	Nil
9	-Do-	Bhagirathi	Jhoudanga P.S. - Purbasthali, Block - Purbasthali II G.P. - Jhoudanga	Nil	1.20 Km Severely Damaged	0.7	Bank Erosion (0.50 Km)	Nil
10	-Do-	Bhagirathi	Dampal P.S. - Purbasthali, Block - Purbasthali II G.P. - Patuli	Nil	0.725 Km Partially Damaged	-	Bank Erosion	Dampal Sluice
11	-Do-	Bhagirathi	Jogeswarpur-Nowapara P.S. - Jogeswarpur-Nowapara Block - Jogeswarpur-Nowapara G.P. - Nimdaha	Nil	1.68 Km Severally Damaged	-	Bank Erosion	Nil
12	-Do-	Bhagirathi	Tamaghata P.S. - Tamaghat, Block -Tamaghat G.P. - Majida	Nil	0.75 Km Severally Damaged	-	Bank Erosion	Nil
13	-Do-	Bhagirathi	Kamalnagar P.S. - Kamalnagar, Block - Kamalnagar G.P. - Kamalnagar	Nil	0.80 Km Severally Damaged	90 M Protection Work	Bank Erosion	Nil
14	-Do-	Bhagirathi	Kasthasali P.S. - Kasthasali, Block - Kasthasali, G.P. - Kasthasali	Nil	0.10 Km Partially Damaged		Bank Erosion	Nil

Sl. No.	District	River	Damaged Site / Police Station / Block / G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
15	Burdwan	Bhagirathi	Dangapara P.S. - Dangapara Block - Purbasthali - I G.P. - Nasaratpur	Nil	0.40 Km Partially Damaged		Bank Erosion	Nil
16	-Do-	Bhagirathi	Jaluidanga P.S. - Jaluidanga, Block - Jaluidanga G.P. - Jaluidanga	Nil	0.30 Km Partially Damaged		Bank Erosion	Nil
17	-Do-	Bhagirathi	Piyarinagar, P.S. - Kalna, Block - Kalna - I G.P. - Krishnadevpur	Nil	0.40 Km Severally Damaged		Bank Erosion	Nil
18	-Do-	Bhagirathi	Satpota, P.S. - Purbasthali, Block - Purbasthali - I & Purbasthali - II, G.P. - Muksimpara & Dogachia	Nil	Embankment over river Bankura Partially Damaged		Bank Erosion	Satpota Sluice

Statement - I Damages to Embankments and Structures in different District - 2011

Sl. No.	District	River	Damaged Site / Police Station / Block /G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
1	Hooghly	Darakeswar	Manilpat/P.S. & Block - Arambagh/ G.P. - Salepur-I.				Bank erosion	
2			Balidanga, Raipur/ P.S. & Block - Arambagh/G.P. - Salepur-I.					Mechanical failure
3			Satitala/P.S. & Block - Arambagh/ Minicipality - Arambagh					Mechanical failure
4			Dongal, Temoihini/P.S. & Block - Arambagh/ G.P. - Salepur - II.				Bank erosion	
5			Bandipur'P.S. - Khanakul, Block - Khanakul-I/ G.P. - Kishorepur-I.				Bank erosion	
6			Gujrat/P.S.- Khanakul, Block- Khanakul-I/ G.P. - Kishorepur-II.				Bank erosion	
7		Dakatia	Kalubati, Kanakpur, Khasjuria, Mallickpur/ P.S. & Block - Haripal/G.P. - Sahadeb.				Slips ghoges	
			Cherrot, Kestopur, Negro/Block - Jangipara/ G.P. - Radhanagar.				-Do-	
			Madpur, Tajpuur/O.S. & Block - Tarakeswar/ G.P. - Ba.ligori.					
8		Mundeswari	Shiali, Kora, Amarpur, Ujirpur, Muidipur/ P.S. & Block - Jamalpur/G.P. - Jotsiram.				Slips ghoges	
			Khusigong, Bhangamora, Baikunthapur,Deulpara P.S. & Block -Pursurah/G.P.-Bhangamora				-Do-	
			Rasulpur, Jangalpara P.S. & Block - Pursurah/G.P. - Pursurah-I				-Do-	
			Harihar, Sriampur, P.S. & Block - Pursurah / G.P. - Srirampur				-Do-	
			Fatepur, Kotalpur, P.S. & Block - Pursurah / G.P. - Shyampur				-Do-	
			Madpur, Durgapur, Amarpur, Balipur, P.S. & Block-Khanakul/Block-Khanakul-I G.P. - Tantisal Balipur				-Do-	

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Sl. No.	District	River	Damaged Site / Police Station / Block /G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
9	Hooghly	Damodar	Binogram, Shibchak, Moral, Janda, Brindaban-chak, Rahimpur, Hariharpur, Singti, Senpur, Akna, Pospur P.S. & Block - Jangupara / G.P. - Rajbalghat-I, Rasidpur				Slips ghoges	
10		Soa	Dhuliara, Sagranpara P.S. & Block - Polba / G.P. - Rajhat				-Do-	
11		Gheakunti	Boinchipota P.S. & Block - Singur / G.P. - Binchipota				-Do-	
			Sajjal P.S. & Block - Polba / G.P. - Polba				-Do-	

Statement - I Damages to Embankments and Structures in different District - 2011

Sl. No.	District	River	Damaged Site / Police Station / Block /G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
1	H O W R A H	Rupnarayn	Bagnan-I	-	600 m.	100 m.	450 m.	1 No.
			Bagnan-II	-	460 m.	240 m.	280 m.	2 Nos.
			Shyampur -I	-	200 m.	150 m.	120 m.	Partly
			Shyampur-II	-	2500 m.	2000 m.	1200 m.	4 Nos.
2		Damodar	Udaynarayanpur	70 m.	4000 m.	200 m.	3000 m.	-
			Amta-I	-	15000 m.	7000 m.	6000 m.	6 Nos.
			Bagnan-I	-	1500 m.	200 m.	500 m.	2 Nos.
			Bagnan-II	-	500 m.	150 m.	350 m.	
3		Kana Damodar	Panchla	-	150 m.	-	150 m.	6 Nos.
			J B Pur	-	1600 m.	-	1600 m.	-
4		Hooghly	Uluberia-I		2500 m.	1000 m.	2000 m.	3 Nos.
			Shyampur-I		4000 m.	3500 m.	4500 m.	7 Nos.

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Sl. No.	District	River	Damaged Site / Police Station / Block / G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
5	HOWRAH	Short Cut Diversion Channel linking Rivers Damador & Rupnarayn	P.S. - Joypur & Bagnan, Block - Amta-II & Bagnan-I	None	Rain-cuts & ghoges on both side I.P. cum embankments over the entire Channel length of 11.01 Km.	None	None	22
6		Damodar River (Amta Channel)	P.S. - Uluberia, Bagnan & Shyampur, Block - Uluberia-I, Bagnan-II & Shyampur I & II	None	Rain-cuts & ghoges on both side I.P. cum embankments over the entire Channel length of 15.00 Km.	None	1 no. -15 m	8
7		Purana Khal, Banaspati Khal & Guzarpur Khal circuit outfalling to Rivers Hooghly & Damodar	P.S. - Uluberia & Amta, Block - Uluberia - II & Amta - I	None	Rain-cuts & ghoges on both side I.P. cum embankments over the entire Channel length of 45.00 Km.	None	1 no. -20 m	10

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Statement - I Damages to Embankments and Structures in different District - 2011

Sl. No.	District	River	Damaged Site / Police Station / Block /G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
1	North 24-Parganas	Outfall of Dantbhanga Khal	Village : Panitore G.P. : Itinda-Panitore Block : Basirhat-I P.S. : Basirhat				Toe erosion causing sliding of bank Length - 300 m both on l/b & r/b.	
2		Sealdahgong Main Channel & KK1 Branch Channel	Village : Dhopaberia G.P. : Rajendrapur Block : Basirhat-II P.S. : Basirhat				Toe erosion causing sliding of bank including loss of agricultural land. Length - 120 m on l/b of S.M. Channel & 120 m on l/b of KK1 branch channel.	
3		Sealdahgong Main Channel	Village : Jamur G.P. : Gopalpur-II Block : Haroa P.S. : Haroa				Toe erosion causing sliding of bank including brick paved road. Length - 180 m on r/b.	
4		Sealdahgong Main Channel	Village : Sadiknagar G.P. : Chaitya Block : Basirhat-II P.S. : Basirhat				Toe erosion causing sliding of bank including collapse of hutments on bank. Length - 360 m on r/b at two different spots.	
5		Sealdahgong Main Channel	Village : Zafarpur G.P. : Chaitya Block : Basirhat-II P.S. : Basirhat				Toe erosion causing sliding of bank including collapse of earthen hutments & brick sausage toe wall. Length - 200 m on l/b.	
6		Sealdahgong Main Channel	Village : Sadiknagar G.P. : Chaitya Block : Basirhat-II P.S. : Basirhat			Toe erosion causing sliding of bank including collapse of inspection path & brick sausage toe wall Length - 150 m on l/b.		

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Sl. No.	District	River	Damaged Site / Police Station / Block / G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
7	North 24-Parganas	Sealdahgong Main Channel	Village : Jonpur G.P. : Gopalpur-II Block - Haroa P.S. : Haroa				Toe erosion causing sliding of bank Length - 195 m on l/b.	
8		KK1 Branch Channel	Village : Dhopaberia G.P. : Rajendrapur Block : Basirhat-II P.S. : Basirhat				Toe erosion causing sliding of bank Length - 50 m on r/b.	
9		Saratkhali Khal	Village : Sayestanagar G.P. : Sayestanagar-I Block : Baduria P.S. : Baduria				Toe erosion causing sliding of bank including failure of one inlet structure. Length - 460 m on right embankment at five different spots.	One inlet structure
10		Saratkhali Khal	Village : Barabankra G.P. : Kaijuri-Bankra Block : Swarupnagar P.S. : Swarupnagar				Toe erosion causing sliding of bank Length - 100 m on right embankment	
11		Saratkhali Khal	Village : Chaita Bankra G.P. : Gokulpur Bankra Block : Swarupnagar P.S. : Swarupnagar				Toe erosion causing sliding of bank Length - 220 m on right embankment	
12		Saratkhali Khal	Village : Merudandi G.P. : Sangrampur-Sibhati Block : Basirhat-I P.S. : Basirhat				Toe erosion causing sliding of bank including collapse of inspection path. Length - 255 m on right embankment at two different spot.	
13		Nonagong	Village : Haisa G.P. : Deganga-I Block : Deganga P.S. : Deganga				Toe erosion causing sliding of bank including collapse of inspection path. Length - 250 m on left bank.	

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Sl. No.	District	River	Damaged Site / Police Station / Block / G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
14	North 24-Parganas	Pashkhali khal & river Haroagong	Village : Sunbaria G.P. : Kirtipur-I Block : Barasat-II P.S. : Barasat				Toe erosion causing sliding of bank including collapse of inspection path. Length - 500 m on left bank of Pashkhali khal & 200 m on left bank of Haroagong river.	
15		Pashkhali Khal	Village : Bardesia G.P. : Kirtipur Block - Barasat-II P.S. : Barasat				Toe erosion causing sliding of bank including collapse of inspection path. Length - 350 m on right bank.	
16		KK1 Branch Channel	Village : Garakupi G.P. : Murarishah Block : Hasnabad				Toe erosion causing sliding of bank including collapse of inspection path. Length - 210 m on l/b & 230 m on r/b.	
17		Kalindi, Sahebkhali, Raimongal, Goureswar, Dansa, Baro Kalagachi	P.S. & Block - Hingalganj Damaged sites : Madhabkati, Hemnagar, Pergumti, Hingalganj, Singerkati, Khosbus, Sahebkhali, Chanralkhali, Sridharkati, Kalitala, Haridaskati, Samsernagar, Malekhanghumti, Bankra, Putia mathbari, Lebukhali, Sandelerbill, Mamudpur, Jogeshganj, Banstala, Bispur, Choto Sahebkhali, Bainara, Kumirmari, Ramapur, Bailani, Durgapur, Dhanikhali, Swarupkati, Bhanderkhali, Kalitala, Rupmari, Khejurberia, Santra Raptanpara, Dharamberia.	0.600 km.	Severely - 14.500 Km. Partially - 5.000 Km.	0.400 Km.	6.5 Km.	22 nos.

Sl. No.	District	River	Damaged Site / Police Station / Block / G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
18	North 24-Parganas	Katakhali, Dansa, Ichamoti, Goureswar	<u>P.S. & Block - Hasnabad</u> Damaged sites : Chakpatli, Tangramari, Barunhat, Taki Kalutala, Laskarnagar, Chak Khanpukur, Tangra, Sulkuni Abad, Amberia, Saidpur.		Severely - 8.500 Km. Partially - 5.000 Km.	0.200 Km.	2 Km.	8 nos.
19		Ichamoti	<u>P.S. & Block - Basirhat-I</u> Damaged sites : Akherpur, Panitor, Bagundi, Chowrah, Tapa Mirzapur, Amarkati	0.050 Km.	Severely - 4.500 Km. Partially - 1.000 Km.	0.400 Km.	2.5 Km.	
20		Ichamoti	<u>P.S. & Block - Basirhat-II</u> Damaged sites : Harishpur		Severely - 0.500 Km. Partially - 1.000 Km.		1 Km.	
21		Ichamoti	<u>P.S. & Block - Swarupnagar</u> Damaged sites : Nalbora, Baglani, Tipi		Severely - 1.500 Km. Partially - 2.000 Km.		2 Km.	2 nos.
22		Benti, Ghatihara, Bidyadhari, Dansa	<u>P.S. & Block - Sandeshkhali-I</u> Damaged sites : Mathbari, Bholakhali, Kalinagar, Ghoshpur, Gajalia, Putimari, Akhratola, Netyaberia, Baro-Sehara, Kharihat, Nazat, Ghatihara.		Severely - 10.000 Km. Partially - 6.000 Km.	1.000 Km.	4 Km.	15 nos.
23		Buri, Bidyadhari, Jagannath Khal	<u>P.S. & Block - Minakhan</u> Damaged sites : Mullickgheri, Bachra, Atpukur, Chaital, Mohanpur.		Severely - 3.500 Km. Partially - 4.000 Km.			4 nos.

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Sl. No.	District	River	Damaged Site / Police Station / Block / G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
24	North 24-Parganas Geographical Area - 4094 Sq. Km.	Raimongal, Dansa, Sahebkhali, Baro-Kalagachi, Bali, Bidya, Hatakhali, Rampur, Bani-Boalia, Choto-Kalagachi, Tushkhali.	<u>P.S. & Block - Sandeshkhali-II</u> Damaged sites : Bermajur, Monipur, Atapur, Jhupkhali, Darirjangan, Bouthakurani, Rampur, Jotishpur, Gabberia, Khulna, Jeliakhali (w), Hatgacha, Sitalia, Tushkhali, Dharmakhali.	0.270 mts	Severely - 4.500 Km. Partially - 9.500 Km.	2.000 Km	4.500 Km	10 nos
25		Metia, Buri, Bidyadhari, Jagannath Khal, Haroagang-Kultigang	<u>P.S. & Block - Haroa</u> Damaged sites : Simla, Raikhan, Bakjhuri, Ranigachi, Kamarganti, Bantala, Dakshin Ranigachi.	0.070 mts	Severely - 1.500 Km. Partially - 2.000 Km.			5 nos
26		Ichamoti	<u>P.S. & Block - Baduria</u> Damaged sites : Raghunathpur, Punra, Media, Bajitpur, Dwip Media, Kankrashuti, Naya Bastia.	0.060 Km	Severely - 1.500 Km. Partially - 1.500 Km.		1.500 Km	

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Statement - I Damages to Embankments and Structures in different District - 2011

Sl. No.	District	River	Damaged Site / Police Station / Block /G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
1	South 24-Parganas	Bay of Bengal	Shibpur from 4.5 Km to 4.850 Km / Sagar / Sagar / Dhablal / Shibpur	Yes	-	-	-	-
2		Muriganga	Bagdanga from 2.65 Km to 2.75 Km / Namkhana / Namkhana / Mousumi / Bagdanga	Yes	-	-	-	-
3			Block & P.S. - Kulpi					
			Harinanayanpur & Mukundapur		Severely - 1200 M	Ditto	Slip	Kulpi, Mashamari, Tangra, Chitamari, Balarampur & Kantiberia
			Gayanpara		Severely - 250 M	Ditto	Slip	
			Chakruplaskar		Severely - 210 M	-	Slip	
			Basmankhali		Partially - 300 M	-	Slip & Bank erosion	
			Tangrachak		Partially - 500 M	-	Slip & Bank erosion	
4			Block & P.S. - Falta					
			Rajarampur		Severely/Partially - 250 M	Protective works	Slip	Near Falta Thana, Falta Bus Stand, Falta Old Fort, Kuripata, Keoratala, Rajarampur & Gilatala
			Shyamsundarpur		Severely/Partially - 200 M	Protective works	Slip	
			Near Falta Old Fort		Severely - 50 M	-	Slip	
5			Block - Budge Budge, P.S. - Nodakhai					
			Naldari		Severely/Partially- 100 M	-	Slip	-

Sl. No.	District	River	Damaged Site / Police Station / Block /G.P. / Village	Nature and extent of damages				
				Breach	Severely/ Partially damaged	Damages to protective works	Slip/Bank Erosion	Sluice
6	South 24-Parganas		Block - Diamond Harbour-I, <u>P.S. - Diamond Harbour</u>					Hara, Kalicharanpur, Kalisankarpur.
Noogola			Severely/Partially - 400 M		Protective works	Slip & Bank erosion		
Rear Side of Fakir Chand College			Severely/Partially - 240 M		-	Bank erosion		
Muktangan to Ferry Ghat- Near Ferry Ghat			Severely/Partially - 500 M		Protective works	Slip		
Near Hara Sluice & Burning Ghat			Severely/Partially - 150 M		Protective works	Slip		
7			Block - Diamond Harbour-II, <u>P.S. - Diamond Harbour.</u>					Raichak, Gajipur, Hatkhola, Noorpur
Near Nainan Masjid			Severely - 150 M		Protective works	Slip		
Hatkhola to Nila			Severely - 300 M		-	Slip		
Raichak			Severely - 250 M		-	Slip		
Noorpur Ferry Ghat to Hatkhola			Severely - 300 M		Protective works	Slip		
Rear Side of Falta S.E.Z.	Severely - 300 M		Partially Protective works		Slip			
Durgapur	Partially - 200 M		Protective works		Slip			

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