GOVERNMENT OF WEST BENGAL
IRRIGATION & WATERWAYS DIRECTORATE

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ANNUAL FLOOD REPORT – 2007.

Executive Engineer
Chief Engineers' Drawing Office
Jalasampad Bhawan, Bidhannagar
Kolkata-700 091.

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ANNUAL FLOOD REPORT OF WEST BENGAL FOR THE YEAR 2007.

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PREFACE

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, cattles 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. A severe inundation took place twice in the fifties i.e. 1956, 1959 once in the sixties namely 1968 twice in the seventies i.e. 1971, 1978 thrice in the eighties namely 1984, 1986, 1987 six times during the nineties i.e. 1991,1993,1995,1997, 1999 and 2000. Flood and allied problems thus being on the rise, due stress is to be meted out to both structural and non-structural measures for proper management of flood.

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 than75% 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.

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 indispensible 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 to the plains. 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 21º31' & 27º13'14" North Latitudes and 85º45'20" & 89º53' 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. River Teesta, Torsa, Raidak, Sankosh, Jaldhaka, Mahananda flow in the North and the river Bhagirathi-Hooghly emerging from the Ganges flows through the central part to the south of the state. The Mayurakshi, Ajoy, Damodar, Dwarakeswar, Rupnarayan, Kangsabati, Kaliaghai and the Subarnarekha are some of the major rivers from the Western part of the state. The river Ganga geographically divides the state into two regions. In the north-the districts are Coochbehar, Jalpaiguri, Darjeeling, Uttar Dinajpur, Dakshin Dinajpur and Malda and in the south – Murshidabad, Nadia, North 24-Parganas, South 24-Parganas, Purulia, Bankura, Birbhum, Burdwan, Hooghly, Howrah, Midnapore. The onset of the monsoon in the state spreads between middle of June to the middle of October.

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-bains 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 betwen 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.

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 exclusivelly 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 25º15' N to 26º15' N and longitude 87º45' E to 88º15' E. It is bounded on the north by the Himalayas, in the east by the ridges seperating 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.

2. ATRAI-PUNARBHABA

Some rivers like Sahu, Neem, Talma, Chaoai, 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 – Westernly 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.

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 Southeasternly 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 easternly across Birbhum district, they entered Murshidabad district as the tributaries of the river Bhagirathi.

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.

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.

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 tributories 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.

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.

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.

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.

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.

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.

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**.

Aapart 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, Kakhai in Bihar and Orissa and Dolong in West Bengal.

The maximum and minimum observed as well as the danger levels and highest flood levels at different gauge sites of various river systems during the flood season of 2007 are given in Annexure-IV(Sheet No. 1/39 to 39/39 & 1/42 to 42/42).

2. RAINFALL

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 onset of monsoon over West Bengal spread between early second week of June to early 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 occurance. 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 northernly 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 eleven districts – viz, Midnapore(+46%), South 24-Parganas (+28%), Birbhum(+23%), Hooghly(+28%), Howrah (+38%), Murshidabad(+43%), North 24-Parganas(+40%), Nadia (+4%), Bankura(+33%), Purulia (+34%) and Burdwan(+27%) had experienced above rainfall than the normal during the monsoon period (June to October). The region as a whole had experienced excess (+31.70%) rainfall than the normal rainfall. In the Sub-Himalayan region the districts Darjeeling (+18%)and Jalpaiguri(+4%), Maldah(+18%), North Dinajpur(+17%), South Dinajpur (+10%) had an experienced excess rainfall than the normal and Coochbehar (-26%) had experienced less rainfall than the normal rainfall during the monsoon period. The region as a whole experienced less (32%) rainfall. The state had experienced excess rainfall than the average annual rainfall.

The monthly rainfall data for the districts as collected from Indian Meteorological Department, Alipore, Kolkata is shown in Annexure-I (Sheet – 1/15 to 15/15) and summary statement of rainfall datas during monsoon is shown in Annexure-V (Sheet –1/3).

During the monsoon period, this year, the Sub-basins within the state of West Bengal experienced an average rainfall ranging from 50% to 153% of annual average rainfall of the sub-basins.

The rainfall data of different rivers (Sub-basin wise) are shown in Annexure-V (Sheet no. 1/3 to 3/3).

3. REPORT ON FLOOD DURING – 2007 OF WEST BENGAL.

Flood is a recurring problem and is almost a regular feature in this state. The state has experienced flood almost every year excepting a very few instances. A major part of the state was created through delta building process by its river systems. Over the years vast area was reclaimed prematurely by constructing flood embankments. Those areas were not allowed to be properly built up by not allowing flood to deposit its silt load in those areas. 42.43% geographical area of the state is flood prone. The flood affected areas as presented below from 1960 to 2007 will depict a scenario of recurrence of high flood in the state.

Flood affected area (Sq.km.)	Years of occurance	Total No. of years.
Below 500	1985,89,92,94,97,2001 & 2005,2006	8
Between 500-2000	1962,63,64,65,66,72,75,96,2003,2004,2007	11
Between 2000-5000	1960,61,67,69,70,74,76,80,81 & 82	10
Between 5000-10,000	1973,77,93,95 & 98	5
Between 10,000 – 15,000	1968,79,83,90 & 99	5
Between 15,000 – 20,000	1971,86,87 & 88	4
Above 20,000	1978,80,84 & 2000.	4

This year i.e. 2007 may be considered as a year of normal rainfall. There no much rainfall or adverse less rainfall in the river basin areas with respect to their normal average rainfall. It appears from the available data during pre-monsoon period the state as a whole experienced less rainfall. The rainfall over the state during the year is below the normal average rainfall in Sub-Himalayan West Bengal and above the normal average rainfall in Gangetic West Bengal.

Most of the rivers of the state were running with flow of normal intensity. Among the North Bengal rivers –Torsa, Jaldhaka, Mansai, Teesta, Diana, Tangon, Dauk, Mahananda, Fulahar, Punarbhaba, Ganga were running above danger levels and the river Mahananda, Torsa, Tangon, Fulahar, Punarbhaba, Atrai & Ganga were running above extreme danger levels on a few occasions. Among the South Bengal rivers Dwaraka, Kaliaghai, Silabati, Kangsabati, Rupnarayan & Jamuna were running above danger levels but the river Kaliaghai was running above extreme danger level on a few occasions.

There were partial damages to the engineering structures, severe erosion of banks. District wise damages, slips etc. are shown in Annexure-VI (sheet 1/140 to 140/140).

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 alarming 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 made a 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 organisations.

MONTHLY DISTRICTWISE ACTUAL & NORMAL RAINFALL RECEIVED FROM I.M.D. ALIPORE, KOLKATA ALONG WITH PERCENT DEPARTURE FROM NORMAL FOR THE MONTH OF JANUARY - 2007.

Period from 01.01.2007 to 31.01.2007.

Sl.No.	Name of District	Actual (in mm)	Normal (in mm)	Departure (in %)
1	2	3	4	5
Sub-Division : Gangetic West Bengal				
1.	Bankura	0	11	-100
2.	Birbhum	0	12.2	-100
3.	Burdwan	0	12.2	-100
4.	Hooghly	0	12	-100
5.	Howrah	4.8	12.7	-62
6.	Midnapore	10.9	13.10	-17
7.	Murshidabad	0	10.6	-100
8.	North 24-Parganas	1.1	10.3	-89
9.	Nadia	0	8.4	-100
10.	Purulia	0	11.4	-100
11.	South 24-Parganas	4.9	13.3	-63
Total :		21.7	127.2	
Average :		2.0	11.56	-83.00
Sub-Division :	Sub-Himalayan West Bengal			
12.	Coochbehar	0	9.6	-100
13.	Darjeeling	0	40.1	-100
14.	Jalpaiguri	0	8.90	-100
15.	Malda	0	11.80	-100
16.	North Dinajpur	D.N.A.	6.9	-
17.	South Dinajpur	0	8.9	-100
Total :		0	86.2	
Average :		0	14.40	-100.00

* Data not available.

MONTHLY DISTRICTWISE ACTUAL & NORMAL RAINFALL RECEIVED FROM I.M.D. ALIPORE, KOLKATA ALONG WITH PERCENT DEPARTURE FROM NORMAL FOR THE MONTH OF FEBRUARY - 2007.

Period from 01.02.2007 to 28.02.2007.

Sl.No.	Name of District	Actual (in mm)	Normal (in mm)	Departure (in %)
1	2	3	4	5
Sub-Division : Gangetic West Bengal				
1.	Bankura	44.8	16.8	167
2.	Birbhum	55.2	19.6	182
3.	Burdwan	48.4	16.5	193
4.	Hooghly	44.5	14.7	203
5.	Howrah	53.8	20	169
6.	Midnapore	68.4	20.9	227
7.	Murshidabad	61	13.3	359
8.	North 24-Parganas	56.5	19.8	185
9.	Nadia	80.8	13.9	481
10.	Purulia	39.3	19.9	97
11.	South 24-Parganas	59	19.3	206
Total :		611.7	194.7	
Average :		55.61	17.7	+214
Sub-Division :	Sub-Himalayan West Bengal			
12.	Coochbehar	49.7	13.2	277
13.	Darjeeling	105.8	28.5	271
14.	Jalpaiguri	68	11.2	507
15.	Malda	36.4	11.5	217
16.	North Dinajpur	D.N.A.	15.1	-
17.	South Dinajpur	14	15.1	-7
Total :		273.9	94.6	
Average :		45.65	15.77	+190

*Data not available.

MONTHLY DISTRICTWISE ACTUAL & NORMAL RAINFALL RECEIVED FROM I.M.D. ALIPORE, KOLKATA ALONG WITH PERCENT DEPARTURE FROM NORMAL FOR THE MONTH OF MARCH - 2007.

Period from 01.03.2007 to 31.03.2007.

Sl.No.	Name of District	Actual (in mm)	Normal (in mm)	Departure (in %)
1	2	3	4	5
Sub-Division : Gangetic West Bengal				
1.	Bankura	42.6	27.9	53
2.	Birbhum	60	25.8	133
3.	Burdwan	40.6	20.3	100
4.	Hooghly	14.3	24	-40
5.	Howrah	24.2	30.2	-20
6.	Midnapore	58.8	34.1	72
7.	Murshidabad	23	19.3	19
8.	North 24-Parganas	16.5	27.5	-40
9.	Nadia	35.9	27.8	29
10.	Purulia	53.3	23.6	126
11.	South 24-Parganas	11.4	32	-64
Total :		380.6	292.5	
Average :		34.60	26.60	30
Sub-Division :	Sub-Himalayan West Bengal			
12.	Coochbehar	22.1	36.1	-39
13.	Darjeeling	40.4	61.2	-34
14.	Jalpaiguri	24.7	32.8	-25
15.	Malda	36.2	12.6	187
16.	North Dinajpur	D.N.A.	23	-
17.	South Dinajpur	0	23	-100
Total :		123.4	188.7	
Average :		20.57	31.45	-35

*Data not available.

MONTHLY DISTRICTWISE ACTUAL & NORMAL RAINFALL RECEIVED FROM I.M.D. ALIPORE, KOLKATA ALONG WITH PERCENT DEPARTURE FROM NORMAL FOR THE MONTH OF APRIL - 2007.

Period from 01.04.2007 to 30.04.2007.

Sl.No.	Name of District	Actual (in mm)	Normal (in mm)	Departure (in %)
1	2	3	4	5
Sub-Division : Gangetic West Bengal				
1.	Bankura	32.1	40	-20
2.	Birbhum	47.2	40.8	16
3.	Burdwan	27	38.3	-30
4.	Hooghly	53.1	60.5	-12
5.	Howrah	53	62	-15
6.	Midnapore	45.6	47.1	-3
7.	Murshidabad	0	49.2	-100
8.	North 24-Parganas	63.6	54.5	17
9.	Nadia	19.7	62.8	-69
10.	Purulia	31.4	34.4	-9
11.	South 24-Parganas	37	47.9	-23
Total :		409.7	537.5	
Average :		37.24	48.86	-24
Sub-Division :	Sub-Himalayan West Bengal			
12.	Coochbehar	184.6	142.8	29
13.	Darjeeling	99.4	138.8	-28
14.	Jalpaiguri	209.4	123.1	70
15.	Malda	0	37.1	-100
16.	North Dinajpur	D.N.A.	62.4	-
17.	South Dinajpur	0	62.4	-100
Total :		493.4	566.6	
Average :		82.23	94.43	-13

*Data not available.

MONTHLY DISTRICTWISE ACTUAL & NORMAL RAINFALL RECEIVED FROM I.M.D. ALIPORE, KOLKATA ALONG WITH PERCENT DEPARTURE FROM NORMAL FOR THE MONTH OF MAY - 2007.

Period from 01.05.2007 to 31.05.2007.

Sl.No.	Name of District	Actual (in mm)	Normal (in mm)	Departure (in %)
1	2	3	4	5
Sub-Division : Gangetic West Bengal				
1.	Bankura	97.6	71.6	36
2.	Birbhum	69.6	93.6	-26
3.	Burdwan	71.7	73.5	-2
4.	Hooghly	106.1	84.9	25
5.	Howrah	64.8	120.8	-46
6.	Midnapore	58.8	108	-46
7.	Murshidabad	D.N.A.	111.3	-
8.	North 24-Parganas	101.4	117.7	-14
9.	Nadia	71.8	108.6	-34
10.	Purulia	78.4	54.8	43
11.	South 24-Parganas	180.6	96.4	87
Total :		900.8	1041.2	
Average :		81.90	94.65	-13
Sub-Division :	Sub-Himalayan West Bengal			
12.	Coochbehar	220.5	408.7	-46
13.	Darjeeling	219.9	267.1	-18
14.	Jalpaiguri	260	303.8	-14
15.	Malda	110.5	104.4	6
16.	North Dinajpur	D.N.A.	163.8	-
17.	South Dinajpur	108.8	163.8	-34
Total :		919.7	1411.6	
Average :		153.28	235.27	-35

*Data not available.

MONTHLY DISTRICTWISE ACTUAL & NORMAL RAINFALL RECEIVED FROM I.M.D. ALIPORE, KOLKATA ALONG WITH PERCENT DEPARTURE FROM NORMAL FOR THE MONTH OF JUNE - 2007.

Period from 01.06.2007 to 30.06.2007.

Sl.No.	Name of District	Actual (in mm)	Normal (in mm)	Departure (in %)
1	2	3	4	5
Sub-Division : Gangetic West Bengal				
1.	Bankura	210.9	216.8	-3
2.	Birbhum	213.5	228.3	-6
3.	Burdwan	245.9	229.4	7
4.	Hooghly	277.8	236.8	17
5.	Howrah	239.5	237.7	1
6.	Midnapore	299.0	245.5	22
7.	Murshidabad	334.1	222.7	50
8.	North 24-Parganas	275.6	223.2	23
9.	Nadia	205.3	289.5	-29
10.	Purulia	126.6	218.1	-42
11.	South 24-Parganas	238.5	270.3	-12
Total :		2666.7	2618.3	
Average :		242.43	238.03	+2
Sub-Division :	Sub-Himalayan West Bengal			
12.	Coochbehar	418.4	708.2	-41
13.	Darjeeling	391.7	507.5	-23
14.	Jalpaiguri	583.6	634.7	-8
15.	Malda	403.2	212.8	89
16.	North Dinajpur	439.0	298.4	47
17.	South Dinajpur	524.4	298.4	76
Total :		2760.3	2660	
Average :		460.05	443.33	+4

*Data not available.

MONTHLY DISTRICTWISE ACTUAL & NORMAL RAINFALL RECEIVED FROM I.M.D. ALIPORE, KOLKATA ALONG WITH PERCENT DEPARTURE FROM NORMAL FOR THE MONTH OF JULY - 2007.

Period from 01.07.2007 to 31.07.2007.

Sl.No.	Name of District	Actual (in mm)	Normal (in mm)	Departure (in %)
1	2	3	4	5
Sub-Division : Gangetic West Bengal				
1.	Bankura	623.2	309.3	101
2.	Birbhum	507.8	305.7	66
3.	Burdwan	497.1	324.8	53
4.	Hooghly	472.6	301.5	57
5.	Howrah	758.4	338.6	124
6.	Midnapore	792.0	307.8	157
7.	Murshidabad	479.2	325.9	47
8.	North 24-Parganas	427.9	244.3	75
9.	Nadia	471.4	326.0	45
10.	Purulia	588.0	294.1	100
11.	South 24-Parganas	735.8	356.8	106
Total :		6353.1	3434.8	
Average :		577.55	312.25	+85
Sub-Division :	Sub-Himalayan West Bengal			
12.	Coochbehar	613.2	717.8	-15
13.	Darjeeling	1064.8	766.3	39
14.	Jalpaiguri	919.3	841.7	9
15.	Malda	546.7	327.1	67
16.	North Dinajpur	474.1	378.0	25
17.	South Dinajpur	656.3	577.8	14
Total :		4274.4	3608.7	
Average :		712.4	601.45	+80

D.N.A.: Data Not Available

MONTHLY DISTRICTWISE ACTUAL & NORMAL RAINFALL RECEIVED FROM I.M.D. ALIPORE, KOLKATA ALONG WITH PERCENT DEPARTURE FROM NORMAL FOR THE MONTH OF AUGUST - 2007.

Period from 01.08.2007 to 31.08.2007.

Sl.No.	Name of District	Actual (in mm)	Normal (in mm)	Departure (in %)
1	2	3	4	5
Sub-Division : Gangetic West Bengal				
1.	Bankura	302.7	296.9	2
2.	Birbhum	284.8	293.3	-3
3.	Burdwan	288.6	303.6	-5
4.	Hooghly	235.4	272.3	-14
5.	Howrah	364.7	351.5	4
6.	Midnapore	411.1	336.4	22
7.	Murshidabad	268.4	261.9	2
8.	North 24-Parganas	227.5	230.0	-1
9.	Nadia	208.7	336.4	-38
10.	Purulia	444.6	311.7	43
11.	South 24-Parganas	359.8	362.3	-1
Total :		3396.3	3356.3	
Average :		308.75	305.12	+1
Sub-Division :	Sub-Himalayan West Bengal			
12.	Coochbehar	394.0	553.4	-29
13.	Darjeeling	567.1	555.5	2
14.	Jalpaiguri	676.2	649.1	4
15.	Malda	160.0	264.1	-39
16.	North Dinajpur	413.6	242.8	70
17.	South Dinajpur	196.5	242.8	-19
Total :		2407.4	2507.7	
Average :		401.23	417.95	-4

D.N.A.: Data Not Available

MONTHLY DISTRICTWISE ACTUAL & NORMAL RAINFALL RECEIVED FROM I.M.D. ALIPORE, KOLKATA ALONG WITH PERCENT DEPARTURE FROM NORMAL FOR THE MONTH SEPTEMBER - 2007.

Period from 01.9.2007 to 30.09.2007.

Sl.No.	Name of District	Actual (in mm)	Normal (in mm)	Departure (in %)
1	2	3	4	5
Sub-Division : Gangetic West Bengal				
1.	Bankura	418.4	246.9	69
2.	Birbhum	426.8	258.9	65
3.	Burdwan	451.4	240.3	88
4.	Hooghly	419.5	219.8	91
5.	Howrah	416.1	297.0	40
6.	Midnapore	457.4	310.3	47
7.	Murshidabad	417.9	228.2	83
8.	North 24-Parganas	432.8	185.6	133
9.	Nadia	454.3	300.00	51
10.	Purulia	372.5	254.3	46
11.	South 24-Parganas	478.5	319.5	50
Total :		4745.6	2860.8	
Average :		431.42	260.07	+66
Sub-Division :	Sub-Himalayan West Bengal			
12.	Coochbehar	429.6	470.0	-9
13.	Darjeeling	723.8	424.2	71
14.	Jalpaiguri	689.7	540.3	28
15.	Malda	185.6	237.4	-22
16.	North Dinajpur	220.8	269.1	-18
17.	South Dinajpur	291.9	269.1	8
Total :		2541.4	2210.1	
Average :		423.57	200.92	+15

D.N.A.: Data Not Available

MONTHLY DISTRICTWISE ACTUAL & NORMAL RAINFALL RECEIVED FROM I.M.D. ALIPORE, KOLKATA ALONG WITH PERCENT DEPARTURE FROM NORMAL FOR THE MONTH OF OCTOBER - 2007.

Period from 01.10.2007 to 31.10.2007.

Sl.No.	Name of District	Actual (in mm)	Normal (in mm)	Departure (in %)
1	2	3	4	5
Sub-Division : Gangetic West Bengal				
1.	Bankura	11.0	106.7	-90
2.	Birbhum	43.6	110.6	-61
3.	Burdwan	50.5	108.0	-53
4.	Hooghly	49.3	101.5	-51
5.	Howrah	52.8	100.3	-47
6.	Midnapore	25.5	161.0	-84
7.	Murshidabad	143.0	124.2	15
8.	North 24-Parganas	70.5	111.3	-37
9.	Nadia	107.0	141.1	-24
10.	Purulia	33.0	85.0	-61
11.	South 24-Parganas	86.2	177.5	-51
Total :		672.4	1327.2	
Average :		61.13	221.2	-49
Sub-Division :	Sub-Himalayan West Bengal			
12.	Coochbehar	88.1	172.3	-49
13.	Darjeeling	68.5	125.3	-45
14.	Jalpaiguri	73.5	161.0	-54
15.	Malda	75.9	116.7	-35
16.	North Dinajpur	-	132.3	-
17.	South Dinajpur	11.2	132.3	-92
Total :		317.2	839.9	
Average :		52.87	140	-62

D.N.A.: Data Not Available

MONTHLY DISTRICTWISE ACTUAL & NORMAL RAINFALL RECEIVED FROM I.M.D. ALIPORE, KOLKATA ALONG WITH PERCENT DEPARTURE FROM NORMAL FOR THE MONTH OF NOVEMBER - 2007.

Period from 01.11.2007 to 30.11.2007.

Sl.No.	Name of District	Actual (in mm)	Normal (in mm)	Departure (in %)
1	2	3	4	5
Sub-Division : Gangetic West Bengal				
1.	Bankura	31.3	15.8	98
2.	Birbhum	4.5	14.4	-69
3.	Burdwan	33.6	11.0	205
4.	Hooghly	87.1	21.3	309
5.	Howrah	45.6	30.2	51
6.	Midnapore	36.9	33.2	11
7.	Murshidabad	-	15.6	-
8.	North 24-Parganas	38.0	24.3	56
9.	Nadia	75.6	13.9	444
10.	Purulia	16.7	13.2	26
11.	South 24-Parganas	61.2	36.5	68
Total :		430.5	229.4	
Average :		39.14	20.85	+88
Sub-Division :	Sub-Himalayan West Bengal			
12.	Coochbehar	0.0	11.4	-100
13.	Darjeeling	1.3	9.9	-87
14.	Jalpaiguri	2.8	8.7	-68
15.	Malda	1.6	11.6	-86
16.	North Dinajpur	-	12.4	-
17.	South Dinajpur	0.00	12.4	-100
Total :		5.7	66.4	
Average :		0.95	11.07	-91

D.N.A.: Data Not Available

MONTHLY DISTRICTWISE ACTUAL & NORMAL RAINFALL RECEIVED FROM I.M.D. ALIPORE, KOLKATA ALONG WITH PERCENT DEPARTURE FROM NORMAL FOR THE MONTH OF DECEMBER-2007.

Period from 01.12.2007 to 31.12.2007.

Sl.No.	Name of District	Actual (in mm)	Normal (in mm)	Departure (in %)
1	2	3	4	5
Sub-Division : Gangetic West Bengal				
1.	Bankura	0.0	6.1	-100
2.	Birbhum	0.0	5.8	-100
3.	Burdwan	0.0	3.1	-100
4.	Hooghly	0.0	6.5	-100
5.	Howrah	-	13.4	-
6.	Midnapore	0.0	7.3	-100
7.	Murshidabad	-	2.6	-
8.	North 24-Parganas	0.0	6.1	-100
9.	Nadia	-	4.1	-
10.	Purulia	0.0	5.4	-100
11.	South 24-Parganas	0.0	10.8	-100
Total :		0.0	71.2	
Average :		0	6.5	-100
Sub-Division :	Sub-Himalayan West Bengal			
12.	Coochbehar	0.1	2.8	-96
13.	Darjeeling	2.6	3.6	-28
14.	Jalpaiguri	0.6	4.5	-87
15.	Malda	0.0	4.3	-100
16.	North Dinajpur	-	4.9	-
17.	South Dinajpur	0.0	4.9	-100
Total :		3.3	25	
Average :		6.55	4.20	+87

D.N.A.: Data Not Available

DISTRICTWISE ACTUAL & NORMAL RAINFALL DURING MONSOON PERIOD ALONG WITH PERCENT DEPARTURE FROM NORMAL
FOR THE YEAR-2007.

Period from June 2007 to October 2007.

Sl.No.	Name of District	Actual (in mm)	Normal (in mm)	Departure (in %)
1	2	3	4	5
	Sub-Division : Gangetic West Bengal			
1.	Bankura	1566.20	1176.40	33
2.	Birbhum	1476.50	1196.80	23
3.	Burdwan	1533.50	1206.10	27
4.	Hooghly	1454.60	1131.90	28
5.	Howrah	1831.50	1325.10	38
6.	Midnapore	1985.00	1361.00	46
7.	Murshidabad	1658.60	1162.90	43
8.	North 24-Parganas	1434.30	1026.30	40
9.	Nadia	1446.70	1393.00	4
10.	Purulia	1564.70	1163.20	34
11.	South 24-Parganas	1898.80	1486.40	28
Total	:	17,850.40	13,629.10	
Average	:	1622.76	1239.00	+31
	Sub-Division : Sub-Himalayan West Bengal			
12.	Coochbehar	1943.3	2621.7	-26
13.	Darjeeling	2815.9	2378.8	18
14.	Jalpaiguri	2942.3	2826.8	4
15.	Malda	1371.4	1672.7	18
16.	North Dinajpur	1547.5	1320.6	17
17.	South Dinajpur	1680.3	1520.4	10
Total	:	12,300.7	12,341.0	
Average	:	2050.12	2056.83	-0.32

D.N.A.: Data Not Available

YEARLY DISTRICTWISE ACTUAL & NORMAL RAINFALL WITH PERCENT DEPARTURE FROM NORMAL FOR THE YEAR-2007.

Period from January 2007 to December 2007.

Sl.No.	Name of District	Actual (in mm)	Normal (in mm)	Departure (in %)
1	2	3	4	5
Sub-Division : Gangetic West Bengal				
1.	Bankura	1814.6	1365.5	33
2.	Birbhum	1713.0	1409.0	22
3.	Burdwan	1754.8	1381.0	27
4.	Hooghly	1759.7	1355.8	30
5.	Howrah	2077.7	1614.4	29
6.	Midnapore	2264.4	1624.7	39
7.	Murshidabad	1742.6	1384.8	26
8.	North 24-Parganas	1711.4	1286.5	33
9.	Nadia	1730.5	1632.5	6
10.	Purulia	1783.8	1325.9	34
11.	South 24-Parganas	2252.9	1742.6	29
Total :		18,874.9	16122.7	
Average :		1715.9	1465.7	+17
Sub-Division :	Sub-Himalayan West Bengal			
12.	Coochbehar	2420.3	3246.3	-25
13.	Darjeeling	3285.3	2928.0	12
14.	Jalpaiguri	3507.8	3319.8	6
15.	Malda	1556.1	1866.0	-17
16.	North Dinajpur	1547.5	1609.1	-4
17.	South Dinajpur	1803.1	1810.9	-0.4
Total :		14,120.1	14,780.1	
Average :		2353.35	2463.35	-4.5

D.N.A.: Data Not Available

DISTRICTWISE MONSOON RAINFALL IN PERCENTAGE OF ANNUAL RAINFALL FOR THE YEAR -2007.

Sl.No.	Name of District	Actual Monsoon Rainfall (in mm)	Normal Annual Rainfall (in mm)	In percentage of Annual Normal Rainfall
1	2	3	4	5
	Sub-Division : Gangetic West Bengal			
1.	Bankura	1566.20	1365.50	15
2.	Birbhum	1476.50	1409.00	5
3.	Burdwan	1533.50	1381.00	11
4.	Hooghly	1454.60	1355.80	7
5.	Howrah	1831.50	1614.40	13
6.	Midnapore	1985.00	1624.70	22
7.	Murshidabad	1658.60	1384.80	20
8.	North 24-Parganas	1434.30	1286.50	11
9.	Nadia	1446.70	1632.50	-11
10.	Purulia	1564.70	1325.90	18
11.	South 24-Parganas	1898.80	1742.60	9
	Total :	17,850.40	16,122.70	
	Average:	1622.76	1465.70	+11
	Sub-Division : Sub-Himalayan West Bengal			
12.	Coochbehar	1943.30	3246.30	-40
13.	Darjeeling	2815.90	2928.00	-4
14.	Jalpaiguri	2942.30	3319.80	-11
15.	Malda	1371.40	1866.00	-26
16.	North Dinajpur	1547.50	1609.10	-4
17.	South Dinajpur	1680.30	1810.90	-7
	Total :	12,300.70	14,780.10	
	Average:	2050.12	2463.35	-17

IMPORTANT RESERVOIR LEVELS & OUTFLOW DATA DURING THE FLOOD SEASON OF 2007.

Name of Reservoir : Maithon
Conservation Level : 146.310 M (480.00 Ft.)
Dead Storage Level : 132.590 M (435.00 Ft.)

Date	Time (in hours)	Reservoir Level (in M)	Outflow (in Cumecs)	Remarks
1	2	3	4	5
11.6.2007	6.00	140.52	177.00	
12.6.2007	6.00	140.53	0.15	
17.6.2007	6.00	140.63	116.74	
20.6.2007	6.00	140.81	14.460	
21.6.2007	6.00	140.81	250.26	
27.6.2007	6.00	141.26	2.78	
28.6.2007	6.00	141.23	247.94	
10.7.2007	6.00	144.52	133.98	
11.7.2007	6.00	144.41	172.88	
18.7.2007	6.00	144.99	339.35	
21.7.2007	6.00	145.39	448.11	
23.7.2007	6.00	144.76	919.00	
28.7.2007	6.00	144.49	450.30	
31.7.2007	6.00	143.62	620.89	
2.8.2007	6.00	145.34	996.99	
15.8.2007	6.00	146.33	351.50	
19.8.2007	6.00	147.09	545.16	
21.8.2007	6.00	145.77	992.71	
23.8.2007	6.00	145.20	335.53	
28.8.2007	6.00	145.40	263.57	
3.9.2007	6.00	145.07	178.60	
4.9.2007	6.00	146.02	83.42	
11.9.2007	6.00	146.53	246.90	
12.9.2007	6.00	146.01	602.91	
13.9.2007	6.00	145.97	256.04	
17.9.2007	6.00	146.86	2.84	
25.9.2007	6.00	150.07	1157.00	
26.9.2007	6.00	150.00	***4020.81****	***** Maximum Outflow.***
27.9.2007	6.00	149.70	1751.92	
1.10.2007	6.00	149.75	653.24	
5.10.2007	6.00	***150.08****	538.47	***** Maximum Reservoir Level***
7.10.2007	6.00	149.50	604.76	
12.10.2007	6.00	149.40	168.92	
13.10.2007	6.00	149.53	79.72	
18.10.2007	6.00	149.59	75.77	

IMPORTANT RESERVOIR LEVELS & OUTFLOW DATA DURING THE FLOOD SEASON OF 2007.

Name of Reservoir : Panchet
Conservation Level : 124.970 M (410.00 Ft.)
Dead Storage Level : 119.480 M (392.00 Ft.)

Date	Time (in hours)	Reservoir Level (in M)	Outflow (in Cumecs)	Remarks
1	2	3	4	5
11.6.2007	6.00	121.17	62.00	
17.6.2007	6.00	121.36	11.45	
20.6.2007	6.00	121.66	7.29	
27.6.2007	6.00	122.71	28.46	
28.6.2007	6.00	122.58	66.18	
4.7.2007	6.00	122.40	94.99	
7.7.2007	6.00	126.58	744.70	
8.7.2007	6.00	126.33	893.43	
18.7.2007	6.00	126.70	565.31	
19.7.2007	6.00	126.77	577.23	
26.7.2007	6.00	125.67	309.03	
28.7.2007	6.00	125.44	868.91	
2.8.2007	6.00	126.57	896.97	
5.8.2007	6.00	125.50	1204.44	
14.8.2007	6.00	127.36	1169.50	
15.8.2007	6.00	127.17	1917.50	
19.8.2007	6.00	127.49	1175.51	
20.8.2007	6.00	126.84	1656.94	
23.8.2007	6.00	125.85	978.00	
27.8.2007	6.00	125.90	345.00	
31.8.2007	6.00	125.06	501.32	
5.9.2007	6.00	126.02	329.40	
12.9.2007	6.00	127.13	1179.56	
13.9.2007	6.00	126.93	860.69	
26.9.2007	6.00	***130.77****	2467.912	*** Maximum Reservoir Level**
27.9.2007	6.00	130.07	***2710.27****	**** Maximum Outflow**
4.10.2007	6.00	128.68	721.399	
5.10.2007	6.00	128.84	589.607	
11.10.2007	6.00	128.20	330.09	
12.10.2007	6.00	128.25	96.26	

IMPORTANT RESERVOIR LEVELS & OUTFLOW DATA DURING THE FLOOD SEASON OF 2007.

Name of Reservoir : Tenughat
Conservation Level : 263.66 M (865.00 Ft.)
Dead Storage Level : 249.02 M (817.00 Ft.)

Date	Time (in hours)	Reservoir Level (in M)	Outflow (in Cumecs)	Remarks
1	2	3	4	5
11.6.2007	6.00	257.98	5.56	
17.6.2007	6.00	258.26	52.38	
18.6.2007	6.00	258.24	64.40	
21.6.2007	6.00	257.95	71.16	
23.6.2007	6.00	257.66	80.37	
4.7.2007	6.00	257.36	5.47	
9.7.2007	6.00	260.21	505.65	
10.7.2007	6.00	259.93	532.16	
17.7.2007	6.00	259.72	166.59	
18.7.2007	6.00	259.64	756.99	
19.7.2007	6.00	259.40	364.10	
21.7.2007	6.00	259.42	106.82	
22.7.2007	6.00	259.66	35.41	
1.8.2007	6.00	259.77	187.27	
3.8.2007	6.00	259.57	563.70	
14.8.2007	6.00	259.92	785.02	
15.8.2007	6.00	259.66	1020.65	
19.8.2007	6.00	259.77	169.35	
22.8.2007	6.00	259.05	872.71	
27.8.2007	6.00	259.89	143.55	
29.8.2007	6.00	259.23	490.18	
31.8.2007	6.00	***260.67****	161.60	*** Maximum Reservoir Level**
1.9.2007	6.00	259.40	520.41	
10.9.2007	6.00	259.66	177.99	
12.9.2007	6.00	259.63	614.31	
13.9.2007	6.00	259.75	188.45	
23.9.2007	6.00	260.25	164.20	
26.9.2007	6.00	259.700	***1282.53****	**** Maximum Outflow**
30.9.2007	6.00	260.65	548.64	
1.10.2007	6.00	259.93	989.90	
4.10.2007	6.00	259.75	660.62	
11.10.2007	6.00	259.40	98.80	
12.10.2007	6.00	259.23	148.45	
18.10.2007	6.00	258.91	115.97	
19.10.2007	6.00	258.85	116.08	

IMPORTANT RESERVOIR LEVELS & OUTFLOW DATA DURING THE FLOOD SEASON OF 2007.

Name of Reservoir : Kangsabati
Conservation Level : 134.11 M (440.00 Ft.)
Dead Storage Level : 120.40 M (395.00 Ft.)

Date	Time (in hours)	Reservoir Level (in M)	Outflow (in Cumecs)	Remarks
1	2	3	4	5
13.6.2007	6.00	120.52	N.A.	
20.6.2007	6.00	120.53	NIL	
27.6.2007	6.00	120.76	NIL	
4.7.2007	6.00	120.93	NIL	
11.7.2007	6.00	132.07	NIL	
16.7.2007	6.00	132.44	233.50	
18.7.2007	6.00	131.98	576.44	
19.7.2007	6.00	131.63	404.88	
25.7.2007	6.00	132.50	NIL	
27.7.2007	6.00	132.65	217.36	
29.7.2007	6.00	132.12	415.54	
5.8.2007	6.00	132.59	163.05	
15.8.2007	6.00	132.60	NIL	*** Maximum Reservoir Level**
18.8.2007	6.00	***134.19****	***4346.06****	**** Maximum Outflow**
23.8.2007	6.00	131.80	253.89	
29.8.2007	6.00	132.39	NIL	
30.8.2007	6.00	132.36	NIL	
8.9.2007	6.00	131.59	NIL	
14.9.2007	6.00	131.48	NIL	
26.9.2007	6.00	133.20	1421.57	
27.9.2007	6.00	133.08	1020.68	
2.10.2007	6.00	137.79	NIL	
4.10.2007	6.00	133.81	NIL	
11.10.2007	6.00	133.05	NIL	
19.10.2007	6.00	1321.28	NIL	

IMPORTANT RESERVOIR LEVELS & OUTFLOW DATA DURING THE FLOOD SEASON OF 2007.

Name of Reservoir : Massanjore
Conservation Level : 121.34 M (398.00 Ft.)
Dead Storage Level : 106.37 M (349.00 Ft.)

Date	Time (in hours)	Reservoir Level (in M)	Outflow (in Cumecs)	Remarks
1	2	3	4	5
13.6.2007	6.00	113.17	N.A.	
20.6.2007	6.00	113.45	NIL	
26.6.2007	6.00	113.64	NIL	
4.7.2007	6.00	114.13	NIL	
11.7.2007	6.00	115.61	NIL	
18.7.2007	6.00	116.16	NIL	
25.7.2007	6.00	119.33	NIL	
1.8.2007	6.00	120.53	261.72	
2.8.2007	6.00	120.29	612.13	
5.8.2007	6.00	120.29	163.05	
15.8.2007	6.00	120.46	307.11	
16.8.2007	6.00	120.41	251.79	
19.8.2007	6.00	120.87	129.31	
24.8.2007	6.00	120.43	4.62	
25.8.2007	6.00	120.37	76.97	
30.8.2007	6.00	120.06	NIL	
8.9.2007	6.00	118.99	NIL	
19.9.2007	6.00	119.89	NIL	
25.9.2007	6.00	120.65	1378.82	
26.9.2007	6.00	120.61	***1968.18****	**** Maximum Outflow**
28.9.2007	6.00	121.30	177.24	
30.9.2007	6.00	***121.31****	724.28	*** Maximum Reservoir Level**
5.10.2007	6.00	121.30	177.24	
16.10.2007	6.00	121.30	NIL	
18.10.2007	6.00	121.30	NIL	

IMPORTANT BARRAGE LEVELS & DISCHARGE DATA DURING THE FLOOD SEASON OF 2007.

Name of Barrage: Durgapur.

Date	Time (in hours)	Barrage Level (in M)	Discharge (in Cumecs)	Remarks
1	2	3	4	5
13.6.2007	06.00	64.46	60.89	
18.6.2007	06.00	64.46	174.76	
23.6.2007	06.00	64.46	135.94	
2.7.2007	06.00	64.46	166.38	
5.7.2007	06.00	64.46	326.22	
8.7.2007	06.00	64.16	1575.94	
18.7.2007	06.00	64.31	995.45	
23.7.2007	06.00	64.31	1568.93	
30.7.2007	06.00	64.31	1967.53	
5.8.2007	06.00	64.16	2424.14	
6.8.2007	06.00	64.31	962.58	
13.8.2007	06.00	64.46	372.37	
15.8.2007	06.00	64.22	3127.94	
20.8.2007	06.00	64.22	4134.72	
23.8.2007	06.00	64.22	1445.27	
25.8.2007	06.00	64.46	487.10	
30.8.2007	06.00	64.31	696.67	
31.8.2007	06.00	64.46	487.10	
11.9.2007	06.00	64.46	487.10	
12.9.2007	06.00	64.31	2361.18	
13.9.2007	06.00	64.310	1119.35	
18.9.2007	06.00	***64.46****	365.33	*** Maximum Barrage Level**
24.9.2007	06.00	64.46	637.20	
26.9.2007	06.00	63.70	***8374.22****	**** Maximum Discharge**
27.9.2007	06.00	64.16	4624.66	
29.9.2007	06.00	64.46	1099.52	
6.10.2007	06.00	64.31	1322.54	
17.10.2007	06.00	64.46	378.38	
18.10.2007	06.00	64.46	261.96	

IMPORTANT BARRAGE LEVELS & DISCHARGE DATA DURING THE FLOOD SEASON OF 2007.

Name of Barrage : Tilpara

Date	Time (in hours)	Barrage Level (in M)	Discharge (in Cumecs)	Remarks
1	2	3	4	5
13.6.2007	06.00	58.06	-	
20.6.2007	06.00	58.08	NIL	
26.6.2007	06.00	58.06	91.33	
2.7.2007	06.00	58.06	NIL	
6.7.2007	06.00	59.01	NIL	
14.7.2007	06.00	62.00	NIL	
20.7.2007	06.00	62.39	75.68	
22.7.2007	06.00	62.15	151.88	
31.7.2007	06.00	62.61	244.03	
1.8.2007	06.00	62.03	397.73	
2.8.2007	06.00	61.84	824.47	
8.8.2007	06.00	62.64	28.83	
14.8.2007	06.00	62.73	231.03	
15.8.2007	06.00	62.14	702.97	
16.8.2007	06.00	62.12	423.49	
19.8.2007	06.00	62.64	392.00	
25.8.2007	06.00	62.70	64.64	
4.9.2007	06.00	62.61	NIL	
12.9.2007	06.00	***62.79****	NIL	*** Maximum Barrage Level**
14.9.2007	06.00	62.76	NIL	
20.9.2007	06.00	62.69	NIL	
26.9.2007	06.00	61.57	***2727.96****	**** Maximum Discharge**
28.9.2007	06.00	62.12	268.51	
3.10.2007	06.00	62.78	NIL	
4.10.2007	06.00	62.78	30.58	
15.10.2007	06.00	62.545	NIL	
19.10.2007	06.00	62.67	NIL	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Sankosh	L.R.P.Crossing	13.6.2007	45.43	10.00	
Warning Level		16.6.2007	46.15	10.00	
E.D.L.	49.10	25.6.2007	45.75	10.00	
D.L.	48.20	29.6.2007	45.75	10.00	
		9.7.2007	45.75	10.00	
		18.7.2007	46.70	10.00	
		24.7.2007	47.40	10.00	
		27.7.2007	48.45	10.00	
		2.8.2007	46.80	10.00	
		15.8.2007	47.00	10.00	
		16.8.2007	46.95	10.00	
		24.8.2007	46.40	10.00	
		5.9.2007	47.00	10.00	
		7.9.2007	48.55*	10.00	*Above D.L. & This year's highest level.
		13.9.2007	46.25	10.00	
		20.9.2007	45.80	10.00	
		29.9.2007	45.50	10.00	
		5.10.2007	45.50	10.00	
		11.10.2007	45.65	10.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Raidak-I	L.R.P.Crossing	11.6.2007	44.30	10.00	
Warning Level		19.6.2007	45.65	10.00	
E.D.L.	47.60	22.6.2007	44.40	10.00	
D.L.	46.70	30.6.2007	44.00	10.00	
		6.7.2007	43.95	10.00	
		12.7.2007	44.40	10.00	
		19.7.2007	44.60	10.00	
		27.7.2007	45.10	10.00	
		2.8.2007	44.85	10.00	
		15.8.2007	44.60	10.00	
		16.8.2007	44.90	10.00	
		26.8.2007	44.20	10.00	
		5.9.2007	45.00	10.00	
		7.9.2007	46.35*	10.00	* This year's highest level.
		13.9.2007	44.50	10.00	
		23.9.2007	45.05	10.00	
		29.9.2007	44.00	10.00	
		4.10.2007	43.95	10.00	
		15.10.2007	43.90	10.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Raidak-II	L.R.P.Crossing	11.6.2007	45.50	10.00	
Warning Level		16.6.2007	46.06	10.00	
E.D.L.	49.00	21.6.2007	46.45	10.00	
D.L.	48.10	28.6.2007	45.64	10.00	
		11.7.2007	45.60	10.00	
		18.7.2007	45.75	10.00	
		25.7.2007	46.50	10.00	
		28.7.2007	47.65	10.00	
		2.8.2007	46.60	10.00	
		15.8.2007	46.30	10.00	
		16.8.2007	46.25	10.00	
		26.8.2007	45.95	10.00	
		4.9.2007	46.50	10.00	
		7.9.2007	48.00*	10.00	* This year's highest level.
		11.9.2007	46.65	10.00	
		13.9.2007	46.20	10.00	
		26.9.2007	46.10	10.00	
		29.9.2007	46.10	10.00	
		10.10.2007	46.00	10.00	
		12.10.2007	46.00	10.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Torsa	Hasimara	11.6.2007	114.71	10.00	
Warning Level		17.6.2007	115.55	10.00	
E.D.L.	116.90	25.6.2007	115.30	10.00	
D.L.	116.30	29.6.2007	115.25	10.00	
		11.7.2007	115.50	10.00	
		18.7.2007	115.60	10.00	
		24.7.2007	115.75	10.00	
		28.7.2007	**117.50***	10.00	* This year's highest level.
		2.8.2007	115.40	10.00	
		15.8.2007	115.25	10.00	
		19.8.2007	115.45	10.00	
		29.8.2007	115.50	10.00	
		30.8.2007	116.40	10.00	
		7.9.2007	117.25	10.00	
		13.9.2007	115.50	10.00	
		23.9.2007	115.50	10.00	
		30.9.2007	115.25	10.00	
		5.10.2007	115.10	10.00	
		11.10.2007	115.25	10.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Kaljani	Alipurduar	11.6.2007	42.90	10.00	
Warning Level		19.6.2007	44.45	10.00	
E.D.L.	45.70	22.6.2007	43.35	10.00	
D.L.	45.10	28.6.2007	42.90	10.00	
		11.7.2007	42.90	10.00	
		12.7.2007	43.00	10.00	
		19.7.2007	44.60	10.00	
		27.7.2007	44.40	10.00	
		2.8.2007	44.45	10.00	
		15.8.2007	43.95	10.00	
		16.8.2007	43.50	10.00	
		26.8.2007	43.75	10.00	
		4.9.2007	44.70	10.00	
		7.9.2007	44.90*	10.00	* This year's highest level.
		20.9.2007	43.10	10.00	
		29.9.2007	42.95	10.00	
		6.10.2007	42.85	10.00	
		11.10.2007	42.85	10.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Jaldhaka	N.H.-31	13.6.2007	79.29	10.00	
Warning Level		15.6.2007	79.68	10.00	
E.D.L.	80.50	22.6.2007	79.48	10.00	
D.L.	80.00	30.6.2007	79.32	10.00	
		11.7.2007	79.67	10.00	
		18.7.2007	79.57	10.00	
		25.7.2007	79.98	10.00	
		28.7.2007	80.09	10.00	
		2.8.2007	79.85	10.00	
		15.8.2007	79.61	10.00	
		19.8.2007	79.60	10.00	
		26.8.2007	79.73	10.00	
		4.9.2007	80.11	10.00	
		7.9.2007	80.30*	10.00	*Above D.L. & this year's highest level.
		13.9.2007	79.68	10.00	
		20.9.2007	79.07	10.00	
		3.10.2007	79.06	10.00	
		9.10.2007	78.96	10.00	
		11.10.2007	78.93	10.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Diana	Chengmari	13.6.2007	198.75	10.00	
Warning Level		18.6.2007	198.85	10.00	
E.D.L.	201.40	24.6.2007	198.65	10.00	
D.L.	200.50	28.6.2007	198.45	10.00	
		7.7.2007	198.70	10.00	
		12.7.2007	198.45	10.00	
		25.7.2007	198.95	10.00	
		28.7.2007	200.10*	10.00	* This year's highest level.
		7.8.2007	198.60	10.00	
		12.8.2007	198.50	10.00	
		19.8.2007	198.50	10.00	
		29.8.2007	198.90	10.00	
		3.9.2007	198.95	10.00	
		7.9.2007	200.00	10.00	
		16.9.2007	198.80	10.00	
		23.9.2007	198.50	10.00	
		29.9.2007	198.60	10.00	
		10.10.2007	198.55	10.00	
		11.10.2007	198.55	10.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Mansai	**Mathabhanga**	13.6.2007	45.76	10.00	
Warning Level		20.6.2007	47.49	10.00	
E.D.L.	**48.70**	21.6.2007	47.08	10.00	
D.L.	**48.20**	28.6.2007	46.48	10.00	
		11.7.2007	46.36	10.00	
		12.7.2007	46.65	10.00	
		25.7.2007	47.35	10.00	
		28.7.2007	48.65	10.00	
		2.8.2007	48.10	10.00	
		9.8.2007	47.24	10.00	
		16.8.2007	47.79	10.00	
		28.8.2007	47.65	10.00	
		31.8.2007	48.30	10.00	
		8.9.2007	49.20**	10.00	** Above EDL & this year's highest level.
		13.9.2007	47.65	10.00	
		20.9.2007	47.30	10.00	
		30.9.2007	46.27	10.00	
		4.10.2007	46.18	10.00	
		11.10.2007	45.94	10.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Teesta	**Coronation Bridge**	11.6.2007	145.00	10.00	
Warning Level		17.7.2007	149.45	10.00	
E.D.L.	**151.80**	19.7.2007	147.85	10.00	
D.L.	**149.40**	27.7.2007	150.10	10.00	
		2.8.2007	147.45	10.00	
		14.8.2007	147.00	10.00	
		19.8.2007	147.01	10.00	
		28.8.2007	146.40	10.00	
		5.9.2007	148.35	10.00	
		7.9.2007	**150.15***	10.00	*** Above D.L. & this year's highest level.**
		13.9.2007	146.95	10.00	
		20.9.2007	146.25	10.00	
		30.9.2007	146.30	10.00	
		10.10.2007	146.15	10.00	
		11.10.2007	146.35	10.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Teesta	Domohani	11.6.2007	84.90	10.00	
Warning Level		20.6.2007	85.43	10.00	
E.D.L.	85.95	22.6.2007	85.17	10.00	
D.L.	85.65	30.6.2007	85.09	10.00	
		11.7.2007	85.59	10.00	
		17.7.2007	85.64	10.00	
		22.7.2007	85.39	10.00	
		28.7.2007	**85.95****	10.00	** At E.D.L. & this year's highest level.
		3.8.2007	85.17	10.00	
		15.8.2007	85.30	10.00	
		19.8.2007	85.26	10.00	
		29.8.2007	85.43	10.00	
		4.9.2007	85.86	10.00	
		7.9.2007	85.80	10.00	
		16.9.2007	85.53	10.00	
		23.9.2007	85.25	10.00	
		30.9.2007	85.08	10.00	
		4.10.2007	84.86	10.00	
		11.10.2007	85.10	10.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Mahananda	H.C.Road	13.6.2007	113.55	10.00	* This year's highest level.
Warning Level		20.6.2007	115.88*	10.00	
E.D.L.	116.59	22.6.2007	113.70	10.00	
D.L.	115.97	2.7.2007	113.60	10.00	
		11.7.2007	114.25	10.00	
		17.7.2007	115.300	10.00	
		23.7.2007	114.37	10.00	
		26.7.2007	115.50	10.00	
		2.8.2007	114.40	10.00	
		15.8.2007	114.25	10.00	
		18.8.2007	114.32	10.00	
		29.8.2007	114.27	10.00	
		5.9.2007	114.95	10.00	
		7.9.2007	115.70	10.00	
		16.9.2007	114.55	10.00	
		20.9.2007	113.90	10.00	
		30.9.2007	113.82	10.00	
		7.10.2007	113.80	10.00	
		13.10.2007	113.80	10.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Mahananda	**Sonapur**	11.6.2007	74.13	06.00	
Warning Level		20.6.2007	74.60	06.00	
E.D.L.	**76.38**	23.6.2007	74.67	06.00	
D.L.	**75.77**	2.7.2007	74.63	06.00	
		5.7.2007	74.43	06.00	
		18.7.2007	74.98	06.00	
		20.7.2007	74.78	06.00	
		27.7.2007	**75.69***	06.00	* This year's highest level.
		2.8.2007	73.75	06.00	
		15.8.2007	73.55	06.00	
		16.8.2007	73.60	06.00	
		27.8.2007	73.50	06.00	
		4.9.2007	73.85	06.00	
		7.9.2007	74.20	06.00	
		13.9.2007	73.75	06.00	
		20.9.2007	73.00	06.00	
		29.9.2007	72.70	06.00	
		5.10.2007	72.80	06.00	
		11.10.2007	72.50	06.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Mahanamda	**Jhawa**	20.6.2007	30.24	06.00	
Warning Level		21.6.2007	30.51	06.00	
E.D.L.	**32.010**	29.6.2007	28.85	06.00	
D.L.	**31.400**	11.7.2007	28.98	06.00	
		18.7.2007	29.49	06.00	
		25.7.2007	30.96	06.00	
		30.7.2007	31.82	06.00	
		3.8.2007	31.61	06.00	
		15..8.2007	30.58	06.00	
		17.8.2007	31.66	06.00	
		23.8.2007	30.69	06.00	
		1.9.2007	31.78	06.00	
		8.9.2007	**32.02****	06.00	****Above E.D.L. & This year's highest level.**
		14.9.2007	31.82	06.00	
		20.9.2007	31.31	06.00	
		30.9.2007	29.80	06.00	
		4.10.2007	29.55	06.00	
		12.10.2007	29.12	06.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Mahananda	**Dangraghat**	20.6.2007	35.34	06.00	
Warning Level		21.6.2007	35.05	06.00	
E.D.L.	**36.26**	28.6.2007	34.31	06.00	
D.L.	**35.65**	11.7.2007	34.04	06.00	
		18.7.2007	34.93	06.00	
		25.7.2007	35.75	06.00	
		28.7.2007	**36.71****	06.00	****Above E.D.L. & this year's highest level.**
		3.8.2007	36.36	06.00	
		14.8.2007	34.50	06.00	
		17.8.2007	36.13	06.00	
		26.8.2007	34.41	06.00	
		4.9.2007	35.98	06.00	
		8.9.2007	36.51	06.00	
		13.9.2007	36.10	06.00	
		20.9.2007	35.06	06.00	
		30.9.2007	33.90	06.00	
		4.10.2007	33.71	06.00	
		11.10.2007	33.71	06.00	
		19.10.2007	33.63	06.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Mahananda	Englishbazar	13.6.2007	16.69	06.00	
Warning Level		20.6.2007	17.15	06.00	
E.D.L.	23.50	29.6.2007	18.38	06.00	
D.L.	22.75	28.6.2007	17.50	06.00	
		5.7.2007	15.86	06.00	
		18.7.2007	17.02	06.00	
		25.7.2007	19.03	06.00	
		1.8.2007	20.20	06.00	
		5.8.2007	**20.63***	06.00	* This year's highest level.
		9.8.2007	20.50	06.00	
		22.8.2007	20.15	06.00	
		23.8.2007	20.18	06.00	
		30.8.2007	19.36	06.00	
		12.9.2007	20.43	06.00	
		13.9.2007	20.42	06.00	
		20.9.2007	19.70	06.00	
		27.9.2007	18.46	06.00	
		7.10.2007	18.25	06.00	
		11.10.2007	17.86	06.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Sui	**Pazol**	13.6.2007	24.20	06.00	
Warning Level		20.6.2007	24.80	06.00	
E.D.L.	**28.00**	23.6.2007	25.30	06.00	
D.L.	**27.43**	28.6.2007	25.12	06.00	
		6.7.2007	24.80	06.00	
		18.7.2007	25.22	06.00	
		25.7.2007	25.42	06.00	
		1.8.2007	26.60	06.00	
		3.8.2007	**26.75***	06.00	*** This year's highest level.**
		9.8.2007	26.15	06.00	
		21.8.2007	25.78	06.00	
		23.8.2007	25.75	06.00	
		30.8.2007	25.30	06.00	
		11.9.2007	25.85	06.00	
		13.9.2007	25.70	06.00	
		23.9.2007	26.00	06.00	
		27.9.2007	25.12	06.00	
		4.10.2007	24.90	06.00	
		12.10.2007	24.65	06.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Sui	Katchua	13.6.2007	21.00	06.00	
Warning Level		20.6.2007	21.40	06.00	
E.D.L.	26.090	24.6.2007	23.10	06.00	
D.L.	25.490	28.6.2007	22.15	06.00	
		8.7.2007	21.47	06.00	
		18.7.2007	22.10	06.00	
		23.7.2007	22.30	06.00	
		1.8.2007	24.25	06.00	
		3.8.2007	**24.75***	06.00	* This year's highest level.
		9.8.2007	23.20	06.00	
		21.8.2007	22.42	06.00	
		23.8.2007	22.30	06.00	
		5.9.2007	21.80	06.00	
		11.9.2007	23.50	06.00	
		13.9.2007	23.36	06.00	
		20.9.2007	22.18	06.00	
		27.9.2007	21.60	06.00	
		4.10.2007	21.25	06.00	
		13.10.2007	21.00	06.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Tangon	Radhikapur	11.6.2007	28.50	06.00	
Warning Level		20.6.2007	31.20	06.00	
E.D.L.	34.05	21.6.2007	30.60	06.00	
D.L.	33.45	28.6.2007	28.90	06.00	
		9.7.2007	28.65	06.00	
		18.7.2007	28.70	06.00	
		24.7.2007	30.90	06.00	
		28.7.2007	31.45	06.00	
		4.8.2007	31.40	06.00	
		9.8.2007	29.05	06.00	
		19.8.2007	**32.20***	06.00	* This year's highest level.
		25.8.2007	29.80	06.00	
		5.9.2007	30.50	06.00	
		8.9.2007	31.30	06.00	
		19.9.2007	30.00	06.00	
		23.9.2007	30.00	06.00	
		28.9.2007	28.90	06.00	
		4.10.2007	28.70	06.00	
		11.10.2007	28.55	06.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Tangon	**Banshihari**	12.6.2007	22.80	06.00	
Warning Level		20.6.2007	24.65	06.00	
E.D.L.	**26.21**	21.6.2007	24.95	06.00	
D.L.	**25.60**	28.6.2007	21.81	06.00	
		18.7.2007	22.16	06.00	
		25.7.2007	23.98	06.00	
		1.8.2007	25.35	06.00	
		5.8.2007	25.36	06.00	
		9.8.2007	22.50	06.00	
		21.8.2007	**25.38***	06.00	*** This year's highest level.**
		29.8.2007	22.35	06.00	
		5.9.2007	23.75	06.00	
		10.9.2007	25.26	06.00	
		19.9.2007	23.95	06.00	
		20.9.2007	23.60	06.00	
		29.9.2007	21.90	06.00	
		4.10.2007	21.70	06.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Nagore	Makdampur	13.6.2007	28.07	06.00	
Warning Level		20.6.2007	29.55	06.00	
E.D.L.	31.86	21.6.2007	29.50	06.00	
D.L.	31.54	28.6.2007	28.70	06.00	
		7.7.2007	28.05	06.00	
		18.7.2007	28.55	06.00	
		25.7.2007	29.05	06.00	
		1.8.2007	30.90	06.00	
		2.8.2007	**30.95***	06.00	* This year's highest level.
		9.8.2007	29.00	06.00	
		20.8.2007	30.16	06.00	
		23.8.2007	29.70	06.00	
		30.8.2007	28.95	06.00	
		8.9.2007	29.07	06.00	
		10.9.2007	28.95	06.00	
		13.9.2007	28.60	06.00	
		23.9.2007	29.12	06.00	
		27.9.2007	28.00	06.00	
		4.10.2007	27.70	06.00	
		11.10.2007	27.38	06.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Kullick	Rly. Bridge	13.6.2007	26.85	06.00	
Warning Level		20.6.2007	28.45	06.00	
E.D.L.	32.69	22.6.2007	29.30	06.00	
D.L.	31.20	28.6.2007	26.45	06.00	
		5.7.2007	26.15	06.00	
		18.7.2007	26.98	06.00	
		25.7.2007	28.15	06.00	
		1.8.2007	29.60	06.00	
		2.8.2007	**29.80***	06.00	*** This year's highest level.**
		9.8.2007	27.90	06.00	
		22.8.2007	29.00	06.00	
		23.8.2007	28.65	06.00	
		5.9.2007	27.05	06.00	
		10.9.2007	28.28	06.00	
		13.9.2007	27.88	06.00	
		20.9.2007	27.60	06.00	
		28.9.2007	27.50	06.00	
		4.10.2007	26.48	06.00	
		11.10.2007	26.25	06.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Dauk	**Chopra**	13.6.2007	64.90	06.00	
Warning Level		20.6.2007	65.50	06.00	
E.D.L.	**70.07**	25.6.2007	65.80	06.00	
D.L.	**69.46**	4.7.2007	66.30	06.00	
		11.7.2007	66.35	06.00	
		17.7.2007	67.15	06.00	
		19.7.2007	67.15	06.00	
		1.8.2007	**67.88***	06.00	*** This year's highest level.**
		2.8.2007	67.13	06.00	
		15.8.2007	66.90	06.00	
		16.8.2007	66.95	06.00	
		24.8.2007	66.66	06.00	
		30.8.2007	67.65	06.00	
		7.9.2007	67.52	06.00	
		13.9.2007	66.45	06.00	
		20.9.2007	66.30	06.00	
		28.9.2007	66.45	06.00	
		6.10.2007	66.35	06.00	
		13.10.2007	66.36	06.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level(in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Gamari	Itahar	13.6.2007	24.02	06.00	
Warning Level		20.6.2007	24.30	06.00	
E.D.L.	27.41	21.6.2007	24.25	06.00	
D.L.	26.82	29.6.2007	23.90	06.00	
		11.7.2007	23.90	06.00	
		18.7.2007	24.18	06.00	
		25.7.2007	24.50	06.00	
		1.8.2007	24.88	06.00	
		4.8.2007	**26.75***	06.00	* This year's highest level.
		9.8.2007	24.58	06.00	
		17.8.2007	24.35	06.00	
		23.8.2007	24.24	06.00	
		30.8.2007	24.15	06.00	
		10.9.2007	24.50	06.00	
		13.9.2007	24.45	06.00	
		20.9.2007	24.32	06.00	
		27.9.2007	24.22	06.00	
		4.10.2007	24.09	06.00	
		12.10.2007	24.01	06.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Fulahar	Teljana(protected)	12.6.2007	26.20	06.00	
Warning Level		20.6.2007	28.70	06.00	
E.D.L.	28.35	21.6.2007	29.15	06.00	
D.L.	27.43	30.6.2007	26.90	06.00	
		8.7.2007	26.32	06.00	
		17.7.2007	27.50	06.00	
		25.7.2007	29.10	06.00	
		26.7.2007	**29.16****	06.00	**Above E.D.L. & this year's highest level.
		2.8.2007	28.25	06.00	
		9.8.2007	27.55	06.00	
		18.8.2007	28.15	06.00	
		23.8.2007	27.65	06.00	
		2.9.2007	27.94	06.00	
		9.9.2007	28.22	06.00	
		13.9.2007	28.04	06.00	
		20.9.2007	27.37	06.00	
		1.10.2007	26.80	06.00	
		6.10.2007	26.70	06.00	
		13.10.2007	25.60	06.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Fulahar	Teljana(Unprotected)	27.6.2007	27.10	06.00	
Warning Level		29.6.2007	27.10	06.00	
E.D.L.	27.43	11.7.2007	26.42	06.00	
D.L.	26.82	18.7.2007	27.60	06.00	
		25.7.2007	29.10	06.00	
		26.7.2007	**29.15****	06.00	**Above E.D.L & this year's highest level**.
		2.8.2007	28.25	06.00	
		9.8.2007	27.55	06.00	
		18.8.2007	28.15	06.00	
		23.8.2007	27.65	06.00	
		2.9.2007	27.94	06.00	
		9.9.2007	28.22	06.00	
		14.9.2007	28.04	06.00	
		20.9.2007	27.37	06.00	
		1.10.2007	26.80	06.00	
		6.10.2007	26.70	06.00	
		13.10.2007	25.60	06.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Punarbhaba	Gangarampur	12.6.2007	22.25	06.00	
Warning Level		20.6.2007	23.73	06.00	
E.D.L.	26.42	21.6.2007	24.25	06.00	
D.L.	25.82	18.7.2007	22.45	06.00	
		23.7.2007	23.15	06.00	
		31.7.2007	24.93	06.00	
		4.8.2007	25.12	06.00	
		9.8.2007	22.25	06.00	
		19.8.2007	25.22	06.00	
		23.8.2007	22.65	06.00	
		5.9.2007	24.00	06.00	
		9.9.2007	**25.68***	06.00	* This year's highest level.
		19.9.2007	23.65	06.00	
		20.9.2007	23.75	06.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Atrai	Balurghat	12.6.2007	19.66	06.00	
Warning Level		20.6.2007	20.46	06.00	
E.D.L.	23.75	12.6.2007	20.80	06.00	
D.L.	23.15	1.7.2007	18.85	06.00	
		18.7.2007	18.80	06.00	
		23.7.2007	19.70	06.00	
		31.7.2007	21.40	06.00	
		4.8.2007	21.18	06.00	
		18.8.2007	21.64	06.00	
		23.8.2007	18.84	06.00	
		2.9.2007	20.88	06.00	
		8.9.2007	**22.69***	06.00	* This year's highest level.
		15.9.2007	19.76	06.00	
		20.9.2007	18.94	06.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Ganga	Allahabad	19.6.2007	75.52	06.00	
Warning Level		27.6.2007	71.70	06.00	
E.D.L.	85.34	4.7.2007	72.44	06.00	
D.L.	84.73	9.7.2007	73.48	06.00	
		15.7.2007	76.10	06.00	
		19.7.2007	75.39	06.00	
		1.8.2007	74.65	06.00	
		8.8.2007	75.79	06.00	
		15.8.2007	76.12	06.00	
		26.8.2007	**76.70***	06.00	*** This year's highest level.**
		30.8.2007	75.44	06.00	
		7.9.2007	75.60	06.00	
		13.9.2007	75.27	06.00	
		20.9.2007	74.19	06.00	
		27.9.2007	73.06	06.00	
		7.10.2007	74.15	06.00	
		11.10.2007	73.48	06.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Ganga	Benaras	17.6.2007	58.97	06.00	
Warning Level		22.6.2007	58.92	06.00	
E.D.L.	71.87	4.7.2007	59.70	06.00	
D.L.	71.26	10.7.2007	60.54	06.00	
		17.7.2007	63.93	06.00	
		19.7.2007	63.62	06.00	
		26.7.2007	61.99	06.00	
		8.8.2007	63.44	06.00	
		11.8.2007	63.78	06.00	
		17.8.2007	64.01	06.00	
		27.8.2007	**64.48***	06.00	* This year's highest level.
		30.8.2007	63.63	06.00	
		8.9.2007	63.57	06.00	
		13.9.2007	63.15	06.00	
		20.9.2007	62.33	06.00	
		27.9.2007	61.08	06.00	
		9.10.2007	61.78	06.00	
		11.10.2007	61.49	06.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Ganga	**Patna**	20.6.2007	42.24	06.00	
Warning Level		23.6.2007	42.38	06.00	
E.D.L.	**49.21**	4.7.2007	42.38	06.00	
D.L.	**48.60**	11.7.2007	43.90	06.00	
		18.7.2007	45.56	06.00	
		21.7.2007	46.68	06.00	
		1.8.2007	47.68	06.00	
		7.8.2007	48.15	06.00	
		9.8.2007	48.06	06.00	
		21.8.2007	48.45	06.00	
		23.8.2007	48.33	06.00	
		5.9.2007	47.94	06.00	
		11.9.2007	**48.50***	06.00	*** This year's highest level.**
		13.9.2007	48.27	06.00	
		20.9.2007	46.58	06.00	
		3.10.2007	47.98	06.00	
		4.10.2007	47.95	06.00	
		11.10.2007	46.20	06.00	
		19.10.2007	45.00	06.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Ganga	Hatidah	20.6.2007	34.57	06.00	
Warning Level		24.6.2007	34.98	06.00	
E.D.L.	42.37	4.7.2007	35.02	06.00	
D.L.	41.76	11.7.2007	36.48	06.00	
		18.7.2007	37.78	06.00	
		23.7.2007	39.69	06.00	
		1.8.2007	40.59	06.00	
		7.8.2007	**41.70***	06.00	* This year's highest level.
		9.8.2007	41.05	06.00	
		21.8.2007	41.46	06.00	
		23.8.2007	41.45	06.00	
		5.9.2007	40.98	06.00	
		12.9.2007	41.49	06.00	
		13.9.2007	41.39	06.00	
		20.9.2007	39.84	06.00	
		3.10.2007	41.13	06.00	
		4.10.2007	41.20	06.00	
		11.10.2007	39.53	06.00	
		19.10.2007	37.97	06.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Ganga	Munger	20.6.2007	30.67	06.00	
Warning Level		25.6.2007	31.10	06.00	
E.D.L.	39.94	4.7.2007	31.08	06.00	
D.L.	39.33	11.7.2007	32.51	06.00	
		18.7.2007	33.73	06.00	
		24.7.2007	36.28	06.00	
		1.8.2007	37.08	06.00	
		8.8.2007	37.56	06.00	
		9.8.2007	37.56	06.00	
		22.8.2007	**38.04***	06.00	* This year's highest level.
		23.8.2007	38.04	06.00	
		5.9.2007	37.30	06.00	
		12.9.2007	37.91	06.00	
		13.9.2007	37.91	06.00	
		20.9.2007	36.29	06.00	
		3.10.2007	37.26	06.00	
		5.10.2007	37.44	06.00	
		11.10.2007	36.10	06.00	
		18.10.2007	34.66	06.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Ganga	Bhagalpur	20.6.2007	25.81	06.00	
Warning Level		24.6.2007	26.44	06.00	
E.D.L.	34.29	4.7.2007	26.41	06.00	
D.L.	33.68	11.7.2007	27.66	06.00	
		18.7.2007	28.98	06.00	
		24.7.2007	31.70	06.00	
		1.8.2007	32.37	06.00	
		6.8.2007	32.84	06.00	
		9.8.2007	32.84	06.00	
		22.8.2007	33.25	06.00	
		23.8.2007	33.28*	06.00	*This year's highest level.
		5.9.2007	32.56	06.00	
		12.9.2007	33.14	06.00	
		13.9.2007	33.19	06.00	
		20.9.2007	31.74	06.00	
		3.10.2007	32.34	06.00	
		5.10.2007	32.54	06.00	
		11.10.2007	31.46	06.00	
		18.10.2007	30.04	06.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Ganga	Kalagaon	20.6.2007	25.81	06.00	
Warning Level		24.6.2007	25.51	06.00	
E.D.L.	31.70	4.7.2007	25.48	06.00	
D.L.	31.09	11.7.2007	26.48	06.00	
		18.7.2007	27.78	06.00	
		24.7.2007	30.20	06.00	
		1.8.2007	30.80	06.00	
		6.8.2007	31.42	06.00	
		9.8.2007	31.42	06.00	
		22.8.2007	31.67	06.00	
		24.8.2007	**31.72****	06.00	**Above E.D.L. & this year's highest level.
		5.9.2007	31.10	06.00	
		12.9.2007	31.62	06.00	
		14.9.2007	31.71	06.00	
		20.9.2007	30.38	06.00	
		3.10.2007	30.71	06.00	
		5.10.2007	30.97	06.00	
		11.10.2007	30.05	06.00	
		18.10.2007	28.79	06.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Ganga	Manikchakghat	20.6.2007	21.80	06.00	
Warning Level		21.6.2007	22.10	06.00	
E.D.L.	25.54	1.7.2007	21.94	06.00	
D.L.	24.69	11.7.2007	22.00	06.00	
		18.7.2007	22.62	06.00	
		25.7.2007	23.94	06.00	
		1.8.2007	24.52	06.00	
		6.8.2007	24.94	06.00	
		9.8.2007	23.04	06.00	
		22.8.2007	25.04	06.00	
		24.8.2007	**25.12***	06.00	* Above D.L. & this year's highest level.
		5.9.2007	24.60	06.00	
		12.9.2007	25.04	06.00	
		14.9.2007	25.10	06.00	
		20.9.2007	24.28	06.00	
		3.10.2007	24.34	06.00	
		6.10.2007	24.72	06.00	
		11.10.2007	23.86	06.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Ganga	Farakka	19.6.2007	16.80	06.00	
Warning Level		22.6.2007	17.45	06.00	
E.D.L.	22.85	2.7.2007	17.09	06.00	
D.L.	22.25	11.7.2007	17.79	06.00	
		18.7.2007	19.42	06.00	
		25.7.2007	21.93	06.00	
		1.8.2007	22.52	06.00	
		7.8.2007	23.04	06.00	
		9.8.2007	23.04	06.00	
		22.8.2007	23.19	06.00	
		25.8.2007	23.30	06.00	
		5.9.2007	22.84	06.00	
		12.9.2007	23.27	06.00	
		14.9.2007	**23.39****	06.00	**Above E.D.L. & this year's highest level.
		20.9.2007	22.54	06.00	
		3.10.2007	22.09	06.00	
		6.10.2007	22.40	06.00	
		11.10.2007	21.66	06.00	
		18.10.2007	20.54	06.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Ganga	Nurpur	20.6.2007	14.32	06.00	
Warning Level		22.6.2007	14.91	06.00	
E.D.L.	21.64	28.6.2007	14.74	06.00	
D.L.	21.03	11.7.2007	15.35	06.00	
		18.7.2007	16.81	06.00	
		25.7.2007	19.18	06.00	
		1.8.2007	19.89	06.00	
		7.8.2007	20.47	06.00	
		9.8.2007	20.43	06.00	
		22.8.2007	20.54	06.00	
		24.8.2007	20.62	06.00	
		5.9.2007	20.13	06.00	
		12.9.2007	20.64	06.00	
		14.9.2007	**20.77***	06.00	* This year's highest level.
		20.9.2007	19.89	06.00	
		3.10.2007	19.44	06.00	
		7.10.2007	19.83	06.00	
		11.10.2007	19.14	06.00	
		18.10.2007	18.12	06.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Ganga	Geria			06.00	
Warning Level		20.6.2007	13.75	06.00	
E.D.L.	21.55	22.6.2007	14.28	06.00	
D.L.	20.94	28.6.2007	14.11	06.00	
		11.7.2007	14.63	06.00	
		18.7.2007	16.03	06.00	
		25.7.2007	18.52	06.00	
		1.8.2007	19.28	06.00	
		7.8.2007	19.86	06.00	
		9.8.2007	19.81	06.00	
		22.8.2007	19.96	06.00	
		24.8.2007	20.05	06.00	
		5.9.2007	19.55	06.00	
		12.9.2007	20.08	06.00	
		14.9.2007	**20.21***	06.00	*** This year's highest level.**
		20.9.2007	19.26	06.00	
		3.10.2007	18.74	06.00	
		7.10.2007	19.14	06.00	
		11.10.2007	18.36	06.00	
		18.10.2007	17.24	06.00	

GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Ganga	Chakghat	20.6.2007	13.26	06.00	
Warning Level		23.6.2007	13.84	06.00	
E.D.L.	21.49	28.6.2007	13.60	06.00	
D.L.	20.88	11.7.2007	14.14	06.00	
		18.7.2007	15.52	06.00	
		25.7.2007	18.00	06.00	
		1.8.2007	18.79	06.00	
		7.8.2007	19.36	06.00	
		9.8.2007	19.31	06.00	
		22.8.2007	19.47	06.00	
		24.8.2007	19.55	06.00	
		5.9.2007	19.05	06.00	
		12.9.2007	19.59	06.00	
		14.9.2007	**19.71***	06.00	*** This year's highest level.**
		20.9.2007	18.76	06.00	
		3.10.2007	18.24	06.00	
		7.10.2007	18.62	06.00	
		11.10.2007	17.86	06.00	
		18.10.2007	16.74	06.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Ganga	Akherigunj	20.6.2007	12.58	06.00	
Warning Level		24.6.2007	12.68	06.00	
E.D.L.	19.05	2.7.2007	12.80	06.00	
D.L.	18.44	8.7.2007	12.78	06.00	
		18.7.2007	13.88	06.00	
		25.7.2007	16.64	06.00	
		1.8.2007	17.33	06.00	
		7.8.2007	17.88	06.00	
		9.8.2007	17.81	06.00	
		22.8.2007	17.85	06.00	
		25.8.2007	17.95	06.00	
		30.8.2007	17.39	06.00	
		12.9.2007	17.82	06.00	
		14.9.2007	**17.98***	06.00	*** This year's highest level.**
		20.9.2007	17.13	06.00	
		3.10.2007	16.65	06.00	
		6.10.2007	16.98	06.00	
		11.10.2007	16.33	06.00	
		18.10.2007	15.38	06.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Ganga	Sabibganj	20.6.2007	23.27	06.00	
Warning Level		22.6.2007	23.50	06.00	
E.D.L.	----	28.6.2007	23.44	06.00	
D.L.	26.70	11.7.2007	23.89	06.00	
		18.7.2007	25.05	06.00	
		25.7.2007	26.97	06.00	
		1.8.2007	27.66	06.00	
		6.8.2007	28.24	06.00	
		10.8.2007	28.23	06.00	
		22.8.2007	28.53	06.00	
		23.8.2007	**28.60***	06.00	*** Above D.L. & this year's highest level.**
		5.9.2007	27.98	06.00	
		3.10.2007	27.11	06.00	
		6.10.2007	27.51	06.00	
		11.10.2007	26.54	06.00	
		18.10.2007	25.74	06.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

North Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Ganga	Nimtita	23.6.2007	15.53	06.00	
Warning Level		28.6.2007	15.25	06.00	
E.D.L.	22.51	11.7.2007	15.94	06.00	
D.L.	21.90	18.7.2007	17.47	06.00	
		25.7.2007	19.78	06.00	
		1.8.2007	20.44	06.00	
		7.8.2007	21.04	06.00	
		9.8.2007	21.01	06.00	
		22.8.2007	21.13	06.00	
		24.8.2007	21.20	06.00	
		5.9.2007	20.73	06.00	
		12.9.2007	21.23	06.00	
		14.9.2007	**21.38***	06.00	*** This year's highest level.**
		20.9.2007	20.54	06.00	
		3.10.2007	20.09	06.00	
		7.10.2007	20.47	06.00	
		11.10.2007	19.78	06.00	
		18.10.2007	18.80	06.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

South Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Pagla	**Bansloi**	20.6.2007	27.58	6.00	
Warning Level		21.6.2007	27.58	6.00	
E.D.L.	**32.76**	27.6.2007	27.20	6.00	
D.L.	**31.85**	30.6.2007	26.98	6.00	
		3.7.2007	28.12	6.00	
		6.7.2007	27.97	6.00	
		10.7.2007	27.58	6.00	
		14.7.2007	27.43	6.00	
		17.7.2007	30.02	6.00	
		21.7.2007	29.79	6.00	
		31.7.2007	29.03	6.00	
		2.8.2007	**30.47***	6.00	*** This year's highest level**
		14.8.2007	29.10	6.00	
		16.8.2007	28.20	6.00	
		23.8.2007	27.35	6.00	
		29.8.2007	26.98	6.00	
		31.8.2007	26.98	6.00	
		3.9.2007	27.43	6.00	
		7.9.2007	28.57	6.00	
		13.9.2007	28.12	6.00	
		25.9.2007	30.32	6.00	
		29.9.2007	28.35	6.00	
		5.10.2007	27.58	6.00	
		11.10.2007	27.52	6.00	
		19.10.2007	27.02	6.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

South Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Brahmoni	**A.D.B. Road Bridge**	17.6.2007	28.00	6.00	
Warning Level		21.6.2007	27.53	6.00	
E.D.L.	**33.40**	3.7.2007	27.85	6.00	
D.L.	**33.00**	6.7.2007	28.30	6.00	
		18.7.2007	28.80	6.00	
		22.7.2007	30.50	6.00	
		26.7.2007	28.60	6.00	
		3.8.2007	28.68	6.00	
		14.8.2007	28.90	6.00	
		20.8.2007	28.63	6.00	
		23.8.2007	28.07	6.00	
		30.8.2007	27.46	6.00	
		8.9.2007	28.00	6.00	
		13.9.2007	28.30	6.00	
		26.9.2007	31.60*	6.00	* This year's highest level
		4.10.2007	28.15	6.00	
		11.10.2007	27.53	6.00	
		19.10.2007	26.93	6.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

South Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Dwarka	**Sankoghat**	18.6.2007	17.80	6.00	
Warning Level		24.6.2007	17.00	6.00	
E.D.L.	**21.30**	4.7.2007	16.68	6.00	
D.L.	**20.42**	7.7.2007	17.32	6.00	
		17.7.2007	17.45	6.00	
		23.7.2007	21.80	6.00	
		27.7.2007	**21.81****	6.00	*** Above EDL & this year's highest level**
		3.8.2007	21.16	6.00	
		15.8.2007	19.65	6.00	
		18.8.2007	20.38	6.00	
		23.8.2007	18.65	6.00	
		30.8.2005	16.57	6.00	
		12.9.2007	19.06	6.00	
		13.9.2007	18.53	6.00	
		26.9.2007	21.80	6.00	
		28.9.2007	20.56	6.00	
		4.10.2007	19.00	6.00	
		11.10.2007	17.76	6.00	
		18.10.2007	16.70	6.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

South Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Dwarka	Ranagram	21.6.2007	13.70	6.00	
Warning Level		4.7.2007	12.47	6.00	
E.D.L.	17.86	8.7.2007	14.15	6.00	
D.L.	17.36	18.7.2007	14.43	6.00	
		25.7.2007	17.39	6.00	
		26.7.2007	17.32	6.00	
		4.8.2007	17.32	6.00	
		9.8.2007	16.00	6.00	
		18.8.2007	16.39	6.00	
		23.8.2007	15.85	6.00	
		30.8.2007	14.00	6.00	
		12.9.2007	15.33	6.00	
		13.9.2007	15.33	6.00	
		26.9.2007	16.76	6.00	
		27.9.2007	**17.71***	6.00	*** Above D.L. & this year's highest level**
		4.10.2007	16.65	6.00	
		11.10.2007	15.15	6.00	
		18.10.2007	13.60	6.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

South Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Mayurakshi	**Narayanpur**	18.6.2007	25.72	6.00	
Warning Level		25.6.2007	23.58	6.00	
E.D.L.	**28.79**	4.7.2007	23.44	6.00	
D.L.	**27.99**	6.7.2007	24.33	6.00	
		17.7.2007	23.79	6.00	
		21.7.2007	24.70	6.00	
		1.8.2007	24.71	6.00	
		3.8.2007	26.11	6.00	
		15.8.2007	27.15	6.00	
		18.8.2007	25.31	6.00	
		23.8.2007	23.50	6.00	
		30.8.2007	23.50	6.00	
		12.9.2007	23.81	6.00	
		15.9.2007	23.65	6.00	
		26.9.2007	**28.60***	6.00	*** Above D.L. & this year's highest level**
		27.9.2007	25.40	6.00	
		4.10.2007	24.13	6.00	
		15.10.2007	23.55	6.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

South Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Ajoy	Sikatia	15.6.2007	162.30	6.00	
Warning Level		4.7.2007	162.85	6.00	
E.D.L.	166.24	6.7.2007	163.18	6.00	
D.L.	165.64	17.7.2007	163.80	6.00	
		20.7.2007	165.18	6.00	
		31.7.2007	164.30	6.00	
		2.8.2007	166.50	6.00	
		14.8.2007	166.64	6.00	
		17.8.2007	163.52	6.00	
		28.8.2007	163.19	6.00	
		1.9.2007	162.81	6.00	
		8.9.2007	163.90	6.00	
		15.9.2007	163.03	6.00	
		25.9.2007	**166.88****	6.00	** Above EDL & this year's highest level
		27.9.2007	163.61	6.00	
		5.10.2007	163.37	6.00	
		11.10.2007	162.600	6.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

South Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Ajoy	Katwa	13.6.2007	9.05	6.00	
Warning Level		15.6.2007	9.75	6.00	
E.D.L.	15.182	22.6.2007	10.69	6.00	
D.L.	14.481	28.6.2007	10.40	6.00	
		9.7.2007	13.10	6.00	
		12.7.2007	11.80	6.00	
		25.7.2007	13.55	6.00	
		31.7.2007	13.73	6.00	
		4.8.2007	14.40	6.00	
		15.8.2007	13.48	6.00	
		20.8.2007	14.05	6.00	
		23.8.2007	13.15	6.00	
		30.8.2007	12.35	6.00	
		12.9.2007	12.77	6.00	
		13.9.2007	12.70	6.00	
		26.9.2007	14.90	6.00	
		27.9.2007	**15.55****	6.00	**Above EDL & this year's highest level
		4.10.2007	13.50	6.00	
		11.10.2007	12.00	6.00	
		18.10.2007	11.35	6.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

South Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Ajoy	Gheropara	15.6.2007	35.70	6.00	
Warning Level		26.6.2007	35.86	6.00	
E.D.L.	40.46	30.6.2007	37.70	6.00	
D.L.	39.41	6.7.2007	37.94	6.00	
		17.7.2007	36.70	6.00	
		21.7.2007	38.42	6.00	
		27.7.2007	38.10	6.00	
		3.8.2007	38.84	6.00	
		15.8.2007	39.51	6.00	
		16.8.2007	38.40	6.00	
		29.8.2007	37.18	6.00	
		30.8.2007	37.17	6.00	
		11.9.2007	37.40	6.00	
		13.9.2007	37.10	6.00	
		26.9.2007	**40.80****	6.00	** Above EDL & this year's highest level
		27.9.2007	38.68	6.00	
		1.10.2007	36.99	6.00	
		5.10.2007	36.97	6.00	
		17.10.2007	36.84	6.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

South Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Ajoy	Budra	12.6.2007	35.45	6.00	
Warning Level		20.6.2007	35.79	6.00	
E.D.L.	40.341	21.6.2007	36.09	6.00	
D.L.	39.426	4.7.2007	35.79	6.00	
		6.7.2007	38.08	6.00	
		17.7.2007	36.70	6.00	
		21.7.2007	38.90	6.00	
		27.7.2007	38.32	6.00	
		3.8.2007	38.93	6.00	
		15.8.2007	39.63	6.00	
		16.8.2007	38.20	6.00	
		29.8.2007	37.47	6.00	
		30.8.2007	37.28	6.00	
		11.9.2007	37.57	6.00	
		13.9.2007	37.22	6.00	
		26.9.2007	**41.06****	6.00	** Above EDL & this year's highest level
		27.9.2007	38.75	6.00	
		6.10.2007	37.16	6.00	
		16.10.2007	36.58	6.00	
		18.10.2007	36.86	6.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

South Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Damodar	**Randia**	13.6.2007	48.28	6.00	
Warning Level		17.6.2007	48.58	6.00	
E.D.L.	**52.893**	23.6.2007	48.89	6.00	
D.L.	**52.134**	2.7.2007	49.73	6.00	
		7.7.2007	50.53	6.00	
		18.7.2007	50.26	6.00	
		23.7.2007	50.44	6.00	
		30.7.2007	50.63	6.00	
		3.8.2007	50.81	6.00	
		15.8.2007	51.02	6.00	
		20.8.2007	51.21	6.00	
		23.8.2007	50.44	6.00	
		6.9.2007	50.14	6.00	
		13.9.2007	50.413	6.00	
		26.9.2007	**52.12***	6.00	*** This year's highest level**
		27.9.2007	51.36	6.00	
		6.10.2007	50.38	6.00	
		12.10.2007	50.02	6.00	
		19.10.2007	49.865	6.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

South Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Damodar	**Edilpur**	13.6.2007	28.12	6.00	
Warning Level		17.6.2007	28.48	6.00	
E.D.L.	**32.95**	24.6.2007	28.63	6.00	
D.L.	**32.79**	4.7.2007	28.96	6.00	
		8.7.2007	29.83	6.00	
		12.7.2007	29.41	6.00	
		22.7.2007	29.50	6.00	
		30.7.2007	29.77	6.00	
		5.8.2007	30.28	6.00	
		9.8.2007	29.50	6.00	
		20.8.2007	30.52	6.00	
		23.8.2007	30.19	6.00	
		30.8.2007	29.68	6.00	
		9.9.2007	29.09	6.00	
		13.9.2007	29.00	6.00	
		26.9.2007	**31.57***	6.00	*** This year's highest level**
		28.9.2007	31.09	6.00	
		7.10.2007	29.92	6.00	
		11.10.2007	29.41	6.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

South Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Damodar	**Jamalpur**	12.6.2007	16.68	6.00	
Warning Level		18.6.2007	17.16	6.00	
E.D.L.	**23.542**	25.6.2007	17.13	6.00	
D.L.	**23.237**	4.7.2007	17.43	6.00	
		7.7.2007	20.01	6.00	
		18.7.2007	19.83	6.00	
		24.7.2007	20.10	6.00	
		29.7.2007	20.25	6.00	
		4.8.2007	20.79	6.00	
		15.8.2007	20.58	6.00	
		20.8.2007	21.15	6.00	
		23.8.2007	19.98	6.00	
		30.8.2007	19.23	6.00	
		12.9.2007	18.48	6.00	
		13.9.2007	19.93	6.00	
		26.9.2007	23.57**	6.00	** Above EDL & this year's highest level
		27.9.2007	22.71	6.00	
		7.10.2007	19.47	6.00	
		11.10.2007	18.12	6.00	
		18.10.2007	17.58	6.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

South Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Damodar	Amta	8.7.2007	6.58	6.00	
Warning Level		18.7.2007	5.75	6.00	
E.D.L.	6.24	24.7.2007	6.45	6.00	
D.L.	5.64	30.7.2007	6.88*	6.00	* Above EDL & this year's highest level.
		3.8.2007	6.73	6.00	
		15.8.2007	5.18	6.00	
		21.8.2007	6.43	6.00	
		23.8.2007	6.05	6.00	
		30.8.2007	4.95	6.00	
		12.9.2007	3.70	6.00	
		14.9.2007	5.22	6.00	
		26.9.2007	6.45	6.00	
		28.9.2007	6.82	6.00	
		4.10.2007	5.05	6.00	
		11.10.2007	3.80	6.00	
		19.10.2007	3.35	6.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

South Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Damodar	**Champadanga**	12.6.2007	8.78	6.00	
Warning Level		19.6.2007	9.02	6.00	
E.D.L.	**13.50**	25.6.2007	9.05	6.00	
D.L.	**12.89**	4.7.2007	9.32	6.00	
		7.7.2007	12.68	6.00	
		18.7.2007	11.37	6.00	
		24.7.2007	11.70	6.00	
		30.7.2007	12.16	6.00	
		4.8.2007	12.71	6.00	
		15.8.2007	11.95	6.00	
		21.8.2007	13.50	6.00	
		23.8.2007	12.10	6.00	
		30.8.2007	10.97	6.00	
		10.9.2007	9.81	6.00	
		13.9.2007	11.88	6.00	
		26.9.2007	**14.47***	6.00	***Above EDL & this year's highest level.**
		27.9.2007	14.42	6.00	
		7.10.2007	11.37	6.00	
		11.10.2007	10.10	6.00	
		18.10.2007	9.45	6.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

South Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Mundeswari	**Harinkhola**	11.6.2007	6.20	6.00	
Warning Level		19.6.2007	6.93	6.00	
E.D.L.	**13.41**	26.6.2007	6.36	6.00	
D.L.	**12.60**	4.7.2007	6.98	6.00	
		7.7.2007	12.05	6.00	
		18.7.2007	10.04	6.00	
		24.7.2007	10.54	6.00	
		30.7.2007	11.83	6.00	
		4.8.2007	12.16	6.00	
		15.8.2007	10.98	6.00	
		21.8.2007	13.51	6.00	
		30.8.2007	10.22	6.00	
		10.9.2007	8.18	6.00	
		13.9.2007	11.55	6.00	
		26.9.2007	**14.30***	6.00	*** Above EDL & this year's highest level.**
		27.9.2007	14.00	6.00	
		4.10.2007	10.42	6.00	
		12.10.2007	8.09	6.00	
		18.10.2007	6.99	6.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

South Bengal Rivers

River	Gauge at	Date	Level(in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Dwarakeswar	**Arambag**	13.6.2007	11.43	6.00	
Warning Level		19.6.2007	11.86	6.00	
E.D.L.	**17.83**	22.6.2007	11.86	6.00	
D.L.	**17.22**	4.7.2007	12.10	6.00	
		6.7.2007	**17.34***	6.00	***This year's highest level.**
		17.7.2007	13.93	6.00	
		25.7.2007	12.40	6.00	
		26.7.2007	12.34	6.00	
		3.8.2007	12.40	6.00	
		15.8.2007	13.29	6.00	
		21.8.2007	12.43	6.00	
		30.8.2007	11.92	6.00	
		10.9.2007	11.98	6.00	
		15.9.2007	12.01	6.00	
		25.9.2007	16.25	6.00	
		27.9.2007	13.92	6.00	
		4.10.2007	12.06	6.00	
		14.10.2007	12.95	6.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

South Bengal Rivers

River	Gauge at	Date	Level(in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Dwarakeswar	**Shakepur**	17.6.2007	7.00	6.00	
Warning Level		27.6.2007	7.00	6.00	
E.D.L.	**12.74**	1.7.2007	7.00	6.00	
D.L.	**11.74**	6.7.2007	**12.49***	6.00	***Above D.L. & this year's highest level.**
		17.7.2007	9.86	6.00	
		25.7.2007	8.20	6.00	
		26.7.2007	8.30	6.00	
		5.8.2007	8.78	6.00	
		15.8.2007	9.68	6.00	
		19.8.2007	10.94	6.00	
		23.8.2007	7.85	6.00	
		30.8.2007	7.00	6.00	
		12.9.2007	7.37	6.00	
		15.9.2007	7.38	6.00	
		25.9.2007	11.59	6.00	
		27.9.2007	10.02	6.00	
		7.10.2007	7.00	6.00	
		15.10.2007	7.38	6.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

South Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Silabati	Gadghat	19.6.2007	2.74	6.00	
Warning Level		21.6.2007	2.71	6.00	
E.D.L.	9.60	4.7.2007	3.75	6.00	
D.L.	8.99	8.7.2007	9.92	6.00	
		12.7.2007	7.65	6.00	
		20.7.2007	7.28	6.00	
		31.7.2007	7.95	6.00	
		2.8.2007	7.42	6.00	
		15.8.2007	7.19	6.00	
		21.8.2007	**10.18***	6.00	***Above EDL & this year's highest level.**
		30.8.2007	5.06	6.00	
		10.9.2007	5.60	6.00	
		16.9.2007	6.03	6.00	
		26.9.2007	9.62	6.00	
		27.9.2007	9.50	6.00	
		4.10.2007	6.70	6.00	
		11.10.2007	4.39	6.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

South Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Silabati	Banka	4.7.2007	11.68	6.00	* Above EDL & this year's highest level.
Warning Level		6.7.2007	15.98*	6.00	
E.D.L.	15.68	17.7.2007	14.79	6.00	
D.L.	15.08	24.7.2007	13.78	6.00	
		29.7.2007	15.55	6.00	
		3.8.2007	14.00	6.00	
		15.8.2007	14.82	6.00	
		19.8.2007	15.37	6.00	
		23.8.2007	12.50	6.00	
		30.8.2007	11.92	6.00	
		7.9.2007	12.78	6.00	
		15.9.2007	13.14	6.00	
		25.9.2007	15.86	6.00	
		27.9.2007	14.73	6.00	
		4.10.2007	12.23	6.00	
		11.10.2007	11.99	6.00	
		18.10.2007	11.96	6.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

South Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Kangsabati	**Mohanpur**	13.6.2007	24.04	6.00	
Warning Level		15.6.2007	24.04	6.00	
E.D.L.	**25.72**	4.7.2007	22.80	6.00	
D.L.	**24.72**	6.7.2007	26.70	6.00	
		17.7.2007	24.58	6.00	
		19.7.2007	25.36	6.00	
		29.7.2007	23.20	6.00	
		3.8.2007	22.40	6.00	
		14.8.2007	22.44	6.00	
		20.8.2007	**26.92***	6.00	*** Above EDL & this year's highest level.**
		24.8.2007	22.60	6.00	
		2.9.2007	22.18	6.00	
		7.9.2007	22.50	6.00	
		17.9.2007	23.47	6.00	
		24.9.2007	25.34	6.00	
		27.9.2007	25.08	6.00	
		4.10.2007	21.84	6.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

South Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Kangsabati	**Kalmijore**	19.6.2007	6.70	6.00	
Warning Level		4.7.2007	7.47	6.00	
E.D.L.	**9.90**	6.7.2007	10.54	6.00	
D.L.	**9.29**	18.7.2007	7.53	6.00	
		19.7.2007	8.26	6.00	
		30.7.2007	9.36	6.00	
		3.8.2007	7.59	6.00	
		15.8.2007	7.74	6.00	
		20.8.2007	**10.80***	6.00	***Above EDL & this year's highest level**
		23.8.2007	9.08	6.00	
		30.8.2007	6.37	6.00	
		7.9.2007	7.13	6.00	
		16.9.2007	7.13	6.00	
		26.9.2007	10.06	6.00	
		27.9.2007	10.00	6.00	
		4.10.2007	6.64	6.00	
		11.10.2007	6.31	6.00	
		18.10.2007	6.28	6.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

South Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Kangsabati	**Panskura**	6.7.2007	10.30	6.00	
Warning Level		18.7.2007	6.86	6.00	
E.D.L.	**9.90**	19.7.2007	8.48	6.00	
D.L.	**9.29**	30.7.2007	8.85	6.00	
		4.8.2007	6.75	6.00	
		15.8.2007	6.67	6.00	
		20.8.2007	**10.30***	6.00	***Above EDL & this year's highest level.**
		23.8.2007	8.25	6.00	
		26.9.2007	9.30	6.00	
		27.9.2007	9.32	6.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

South Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Kaliaghai	Amgachia	11.6.2007	3.20	6.00	
Warning Level		20.6.2007	3.55	6.00	
E.D.L.	6.40	4.7.2007	4.80	6.00	
D.L.	5.79	8.7.2007	**7.74***	6.00	* Above EDL & this year's highest level.
		12.7.2007	6.75	6.00	
		19.7.2007	6.12	6.00	
		31.7.2007	6.48	6.00	
		2.8.2007	6.20	6.00	
		15.8.2007	7.29	6.00	
		21.8.2007	7.29	6.00	
		23.8.2007	6.93	6.00	
		30.8.2007	5.42	6.00	
		8.9.2007	4.81	6.00	
		13.9.2007	4.78	6.00	
		26.9.2007	7.56	6.00	
		27.9.2007	7.47	6.00	
		4.10.2007	5.70	6.00	
		11.10.2007	4.75	6.00	
		18.10.2007	4.36	6.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

South Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Jalangi	Swarupganj	13.6.2007	5.70	6.00	
Warning Level		20.6.2007	6.48	6.00	
E.D.L.	9.05	21.6.2007	6.42	6.00	
D.L.	8.44	28.6.2007	6.03	6.00	
		9.7.2007	7.46	6.00	
		12.7.2007	7.19	6.00	
		25.7.2007	8.55	6.00	
		1.8.2007	9.11	6.00	
		6.8.2007	9.40	6.00	
		9.8.2007	9.20	6.00	
		21.8.2007	9.32	6.00	
		30.8.2007	8.21	6.00	
		12.9.2007	8.51	6.00	
		14.9.2007	8.64	6.00	
		26.9.2007	9.12	6.00	
		30.9.2007	**10.01***	6.00	***Above EDL & this year's highest level.**
		4.10.2007	9.64	6.00	
		11.10.2007	8.74	6.00	
		18.10.2007	7.81	6.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

South Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Churni	Hanskhali	13.6.2007	3.70	6.00	
Warning Level		14.6.2007	3.93	6.00	
E.D.L.	8.14	21.6.2007	5.67	6.00	
D.L.	7.53	2.7.2007	3.83	6.00	
		8.7.2007	4.70	6.00	
		12.7.2007	4.50	6.00	
		25.7.2007	6.51	6.00	
		1.8.2007	7.20	6.00	
		5.8.2007	7.31	6.00	
		9.8.2007	7.20	6.00	
		21.8.2007	7.28	6.00	
		23.8.2007	7.29	6.00	
		30.8.2007	6.96	6.00	
		12.9.2007	6.66	6.00	
		15.9.2007	6.89	6.00	
		26.9.2007	7.68	6.00	
		1.10.2007	**8.05***	6.00	***Above D.L. & this year's highest level**
		4.10.2007	7.88	6.00	
		11.10.2007	7.36	6.00	
		18.10.2007	6.39	6.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

South Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Bhagirathi	Jangipur	13.6.2007	18.44	6.00	
Warning Level		17.6.2007	18.60	6.00	
E.D.L.	20.88	21.6.2007	18.58	6.00	
D.L.	20.27	4.7.2007	18.40	6.00	
		5.7.2007	18.42	6.00	
		18.7.2007	18.64	6.00	
		24.7.2007	**19.90***	6.00	*This year's highest level
		26.7.2007	19.44	6.00	
		4.8.2007	19.70	6.00	
		9.8.2007	18.82	6.00	
		18.8.2007	18.86	6.00	
		23.8.2007	18.59	6.00	
		1.9.2007	18.56	6.00	
		8.9.2007	18.90	6.00	
		14.9.2007	18.54	6.00	
		26.9.2007	19.23	6.00	
		6.10.2007	18.84	6.00	
		14.10.2007	18.54	6.00	
		18.10.2007	18.39	6.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

South Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Bhagirathi	**Berhampore**	13.6.2007	14.91	6.00	
Warning Level		19.6.2007	15.04	6.00	
E.D.L.	**17.83**	22.6.2007	14.97	6.00	
D.L.	**17.22**	4.7.2007	14.87	6.00	
		9.7.2007	14.99	6.00	
		17.7.2007	14.94	6.00	
		24.7.2007	16.37	6.00	
		26.7.2007	16.31	6.00	
		5.8.2007	16.60	6.00	
		9.8.2007	15.87	6.00	
		19.8.2007	15.95	6.00	
		23.8.2007	15.65	6.00	
		30.8.2007	15.10	6.00	
		9.9.2007	15.45	6.00	
		13.9.2007	15.28	6.00	
		23.9.2007	16.00	6.00	
		28.9.2007	**16.86***	6.00	***This year's highest level**
		4.10.2007	15.98	6.00	
		15.10.2007	15.11	6.00	
		18.10.2007	15.00	6.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

South Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Bhagirathi	**Katwa**	13.6.2007	9.83	6.00	
Warning Level		20.6.2007	10.50	6.00	
E.D.L.	**14.32**	21.6.2007	10.52	6.00	
D.L.	**13.71**	28.6.2007	10.23	6.00	
		7.7.2007	11.56	6.00	
		12.7.2007	10.92	6.00	
		25.7.2007	12.82	6.00	
		31.7.2007	13.15	6.00	
		4.8.2007	13.74	6.00	
		9.8.2007	12.85	6.00	
		20.8.2007	13.27	6.00	
		23.8.2007	12.74	6.00	
		30.8.2007	11.35	6.00	
		12.9.2007	12.10	6.00	
		13.9.2007	12.14	6.00	
		26.9.2007	13.50	6.00	
		27.9.2007	**14.25***	6.00	*** Above D.L. & this year's highest level**
		4.10.2007	13.18	6.00	
		11.10.2007	11.80	6.00	
		18.10.2007	11.20	6.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

South Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Bhagirathi	**Kalna**	13.6.2007	3.90	6.00	
Warning Level		20.6.2007	4.51	6.00	
E.D.L.	**8.24**	21.6.2007	4.45	6.00	
D.L.	**7.63**	30.6.2007	4.27	6.00	
		8.7.2007	5.51	6.00	
		12.7.2007	5.28	6.00	
		25.7.2007	6.32	6.00	
		31.7.2007	7.05	6.00	
		5.8.2007	7.34	6.00	
		9.8.2007	7.09	6.00	
		21.8.2007	7.18	6.00	
		31.8.2007	6.15	6.00	
		10.9.2007	6.64	6.00	
		15.9.2007	6.46	6.00	
		26.9.2007	7.00	6.00	
		30.9.2007	**8.35****	6.00	** Above EDL & this year's highest level
		4.10.2007	7.87	6.00	
		11.10.2007	6.80	6.00	
		18.10.2007	5.69	6.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

South Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Rupnarayan	Bandar	20.6.2007	2.34	6.00	
Warning Level		21.6.2007	2.43	6.00	
E.D.L.	7.46	1.7.2007	2.47	6.00	
D.L.	6.85	8.7.2007	8.34	6.00	
		18.7.2007	5.94	6.00	
		19.7.2007	5.97	6.00	
		31.7.2007	6.55	6.00	
		4.8.2007	6.24	6.00	
		15.8.2007	6.00	6.00	
		21.8.2007	8.55**	6.00	** Above E.D.L. & this year's highest level
		23.8.2007	7.65	6.00	
		30.8.2007	4.02	6.00	
		12.9.2007	4.11	6.00	
		13.9.2007	4.42	6.00	
		26.9.2007	7.98	6.00	
		27.9.2007	8.40	6.00	
		4.10.2007	5.56	6.00	
		15.10.2007	2.40	6.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

South Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Rupnarayan	Gopiganj	20.6.2007	1.61	6.00	
Warning Level		23.6.2007	1.76	6.00	
E.D.L.	5.64	4.7.2007	1.98	6.00	
D.L.	5.03	9.7.2007	5.00	6.00	
		12.7.2007	3.96	6.00	
		19.7.2007	3.81	6.00	
		31.7.2007	4.45	6.00	
		6.8.2007	4.60	6.00	
		15.8.2007	3.81	6.00	
		22.8.2007	5.97	6.00	
		23.8.2007	5.45	6.00	
		2.9.2007	3.50	6.00	
		10.9.2007	2.22	6.00	
		13.9.2007	3.62	6.00	
		26.9.2007	5.54	6.00	
		28.9.2007	**6.37****	6.00	** Above E.D.L. & this year's highest level
		4.10.2007	4.20	6.00	
		11.10.2007	2.01	6.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

South Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Rupnarayan	Ranichak	16.6.2007	2.31	6.00	
Warning Level		20.6.2007	2.40	6.00	
E.D.L.	5.94	21.6.2007	2.34	6.00	
D.L.	5.33	4.7.2007	2.86	6.00	
		9.7.2007	7.10	6.00	
		12.7.2007	5.91	6.00	
		19.7.2007	5.49	6.00	
		1.8.2007	6.05	6.00	
		5.8.2007	5.94	6.00	
		15.8.2007	5.33	6.00	
		22.8.2007	7.92	6.00	
		23.8.2007	7.31	6.00	
		31.8.2007	4.14	6.00	
		12.9.2007	3.65	6.00	
		13.9.2007	4.17	6.00	
		26.9.2007	7.28	6.00	
		28.9.2007	**8.19****	6.00	** Above EDL & this year's highest level
		5.10.2007	4.93	6.00	
		11.10.2007	2.89	6.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

South Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Subarnarekha	**Sonakonia**	13.6.2007	7.94	6.00	
Warning Level		20.6.2007	7.94	6.00	
E.D.L.	**16.75**	27.6.2007	7.94	6.00	
D.L.	**16.15**	4.7.2007	9.795	6.00	
		7.7.2007	**18.75***	6.00	*** Above D.L. & this year's highest level**
		18.7.2007	14.15	6.00	
		19.7.2007	13.11	6.00	
		26.7.2007	13.38	6.00	
		4.8.2007	12.09	6.00	
		14.8.2007	15.94	6.00	
		21.8.2007	16.27	6.00	
		23.8.2007	13.76	6.00	
		31.8.2007	11.77	6.00	
		12.9.2007	11.00	6.00	
		13.9.2007	11.32	6.00	
		26.9.2007	15.90	6.00	
		27.9.2007	15.64	6.00	
		4.10.2007	11.77	6.00	
		17.10.2007	10.71	6.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

South Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Ichamati	**Mejdia**	14.6.2007	4.15	6.00	
Warning Level		1.7.2007	4.26	6.00	
E.D.L.	**8.410**	8.7.2007	5.00	6.00	
D.L.	**7.824**	14.7.2007	4.70	6.00	
		25.7.2007	7.46	6.00	
		31.7.2007	8.30	6.00	
		7.8.2007	8.15	6.00	
		9.8.2007	8.05	6.00	
		22.8.2007	8.17	6.00	
		23.8.2007	8.17	6.00	
		30.8.2007	7.88	6.00	
		12.9.2007	7.54	6.00	
		16.9.2007	7.80	6.00	
		26.9.2007	8.40	6.00	
		1.10.2007	**8.65****	6.00	** Above EDL & this year's highest level.
		4.10.2007	8.51	6.00	
		11.10.2007	8.11	6.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

South Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Ichamati	Tentulia	6.7.2007	3.44	6.00	
Warning Level		17.7.2007	3.62	6.00	
E.D.L.	Maximum 5.10m in year 2000	19.7.2007	3.46	6.00	
		1.8.2007	3.67	6.00	
D.L.	-	2.8.2007	3.76	6.00	
		15.8.2007	3.80	6.00	
		16.8.2007	3.78	6.00	
		29.8.2007	3.74	6.00	
		31.8.2007	3.86	6.00	
		12.9.2007	3.60	6.00	
		26.9.2007	3.92	6.00	
		29.9.2007	**4.15***	6.00	* This year's highest level
		10.10.2007	3.82	6.00	
		11.10.2007	3.91	6.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

South Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Ichamati	Bongaon	20.6.2007	2.57	6.00	
Warning Level		21.6.2007	2.51	6.00	
E.D.L.	5.675	4.7.2007	2.49	6.00	
D.L.	5.075	10.7.2007	2.99	6.00	
		12.7.2007	2.93	6.00	
		25.7.2007	3.15	6.00	
		1.8.2007	3.95	6.00	
		8.8.2007	4.07	6.00	
		15.8.2007	4.07	6.00	
		21.8.2007	4.17	6.00	
		25.8.2007	4.15	6.00	
		30.8.2007	4.11	6.00	
		6.9.2007	4.10	6.00	
		19.9.2007	4.03	6.00	
		24.9.2007	4.93	6.00	
		3.10.2007	**4.95***	6.00	*** This year's highest level**
		10.10.2007	4.56	6.00	
		11.10.2007	4.56	6.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

South Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Jamuna	Gaighata	18.6.2007	3.27	6.00	
Warning Level		21.6.2007	3.23	6.00	
E.D.L.	4.50	3.7.2007	2.92	6.00	
D.L.	3.90	11.7.2007	3.79	6.00	
		12.7.2007	3.78	6.00	
		21.7.2007	3.66	6.00	
		1.8.2007	3.73	6.00	
		3.8.2007	3.77	6.00	
		15.8.2007	3.75	6.00	
		19.8.2007	3.78	6.00	
		22.8.2007	3.78	6.00	
		25.8.2007	3.77	6.00	
		30.8.2007	3.75	6.00	
		6.9.2007	3.48	6.00	
		16.9.2007	3.46	6.00	
		26.9.2007	4.39	6.00	
		27.9.2007	4.48	6.00	
		10.10.2007	**4.56****	6.00	** Above E.D.L. & this year's highest level
		11.10.2007	4.55	6.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

South Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Jamuna	Gobardanga	18.6.2007	3.00	6.00	
Warning Level		21.6.2007	2.96	6.00	
E.D.L.	4.37	4.7.2007	2.69	6.00	
D.L.	3.77	11.7.2007	3.48	6.00	
		12.7.2007	3.47	6.00	
		21.7.2007	3.37	6.00	
		1.8.2007	3.50	6.00	
		3.8.2007	3.53	6.00	
		9.8.2007	3.48	6.00	
		19.8.2007	3.52	6.00	
		25.8.2007	3.50	6.00	
		30.8.2007	3.48	6.00	
		6.9.2007	3.20	6.00	
		15.9.2007	3.38	6.00	
		26.9.2007	4.05	6.00	
		27.9.2007	**4.45****	6.00	** Above E.D.L. & this year's highest level
		5.10.2007	4.42	6.00	
		11.10.2007	4.26	6.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2007.

South Bengal Rivers

River	Gauge at	Date	Level (in M) Maximum Level during corresponding week.	Time (in hours)	Remarks
1	2	3	4	5	6
Kuya	**Tarapur**	17.6.2007	18.31	6.00	
Warning Level		22.6.2007	18.40	6.00	
E.D.L.	**23.350**	29.6.2007	18.81	6.00	
D.L.	**22.710**	8.7.2007	20.64	6.00	
		12.7.2007	18.74	6.00	
		23.7.2007	20.72	6.00	
		29.7.2007	21.40	6.00	
		3.8.2007	21.14	6.00	
		15.8.2007	20.35	6.00	
		19.8.2007	21.09	6.00	
		23.8.2007	19.86	6.00	
		5.9.2007	18.56	6.00	
		12.9.2007	20.78	6.00	
		13.9.2007	20.90	6.00	
		26.9.2007	22.73	6.00	
		27.9.2007	**23.15***	6.00	***Above D.L. & this year's highest level**
		9.10.2007	19.11	6.00	
		12.10.2007	18.85	6.00	

STATEMENT OF RAINFALL DATA OF DIFFERENT RIVERS (SUB-BASIN WISE) WITHIN WEST BENGAL DURING MONSOON PERIOD OF 2007.

(As per available data)

Sl. No	Name of the River Sub-Basin including the name of gauge station	Rainfall upto June 2007 (mm)	Rainfall upto October 2007 (mm)	Rainfall during monsoon period (mm)	Sub-basin wise average rainfall during monsoon period (mm)	Yearly average rainfall (mm)	Sub-basin wise yearly average rainfall (mm)	Sub-basin wise monsoon rainfall in percentage of yearly average rainfall
1	2	3	4	5	6	7	8	9
1.	**SANKOSH**							
a)	Not yet installed	Rain Gauge to be installed						
2.	**KALJANI**							
a)	Alipurduar	1310.00	3486.60	2176.60	2176.60	3797.00	3797.00	57
3.	**RAIDAK**							
a)	Tufangunj	1269.30	3885.70	2616.40	2616.40	3492.00	3492.00	75
4.	**TORSA**							
a)	Coochbehar	1023.10	2807.90	1784.80	2137.20	3580.00	3542.50	60
b)	Hasimara	1032.20	3521.80	2489.60		3505.00		
5.	**DIANA**							
a)	Banarhat	1225.00	3919.25	2694.25	2694.25		3590.00	75
6.	**JALDHAKA**							
a)	Mathabhanga	897.40	2453.20	1555.80	1555.80	3120.00	3120.00	50
7.	**TEESTA**							
a)	Jalpaiguri	858.80	3040.00	2181.20	2729.90	3290.00	3615.00	75
b)	Malbazar	1494.40	4773.00	3278.60		3940.00		
8.	**MAHANANDA**							
a)	Siliguri	1147.20	3556.60	2409.40		3620.00		
b)	Raigunj	615.00	1458.40	843.40	1520.77	1577.00	2199.00	69
c)	Malda	258.00	1567.50	1309.50		1400.00		
9.	**PUNARBHAVA**							
a)	Gangarampur	769.00	1574.00	805.00	805.00	1591.00	1591.00	50
10.	**ATRAI**							
a)	Balurghat	932.00	1932.00	1000.00	1000.00	1430.00	1430.00	70
11.	**PAGLA-BANSLOI**							
a)	Paikar	271.30	1166.80	895.50	895.50	1402.00	1402.00	64
12.	**BRAHMONI-DWARKA**							
a)	Rampurhat	505.10	1420.50	915.40	1043.45	1437.00	1228.50	85
b)	Nalhati	479.80	1651.30	1171.50		1020.00		
13.	**MAYURAKSHI**							
a)	Maharo	415.00	1850.00	1435.00		1480.00		
b)	Massanjore	379.40	1790.00	1410.60		1460.00		
c)	Tilpara Barrage	342.00	1804.00	1462.00	1386.78	1400.00	1431.60	97
d)	Kandi	532.10	1848.40	1316.30		1408.00		
e)	Narayanpur	530.00	1840.00	1310.00		1410.00		

** average annual rainfall calculated on the basis of annual rainfall from 1987 to1995 for Banarhat & from 1996 to 2001 for Hasimara.

1	2	3	4	5	6	7	8	9
14.	**AJOY**							
a)	Sikatia	301.30	1850.30	1549.00	1394.18	1377.00	1310.80	110
b)	Bolepur	390.60	1720.10	1329.50		1220.00		
c)	Gheropara	455.80	1809.80	1354.00		1282.00		
d)	Katwa	450.00	1848.40	1398.40		1365.00		
e)	Burdwan(Kanainatsal)	460.00	1800.00	1340.00		1310.00		
15.	**DAMODAR**							
a)	Tilaiya	350.00	1630.00	1280.00	1288.50	1118.00	1408.54	91
b)	Tenughat	310.40	1638.40	1328.00		1321.00		
c)	Maithon	378.90	1979.90	1601.00		1113.00		
d)	Panchet Dam	426.00	1832.00	1406.00		1146.00		
e)	Durgapur	461.40	1856.40	1395.00		1210.00		
f)	Harinkhola	470.00	1805.00	1335.00		1444.00		
g)	Amta	465.00	2229.30	1764.30		1668.00		
h)	Champadanga	371.00	1887.50	1516.50		1468.00		
i)	Satkahania	386.00	1790.00	1404.00		1440.00		
j)	Balgona	394.00	1760.00	1366.00		1460.00		
k)	Lohai(Raina)	410.00	1845.00	1435.00		1410.00		
l)	Domjur	490.00	2000.25	1510.25		1455.00		
m)	Asansol	360.40	1397.40	1037.00		1470.00		
n)	Rondia	365.30	1410.50	1045.20		1465.00		
o)	Edilpur	375.10	1420.60	1045.50		1480.00		
p)	Memari	350.20	1490.00	1139.80		1475.00		
q)	Jamalpur	385.10	1510.00	1124.90		1460.00		
r)	Singhur	388.30	1520.00	1131.70		1485.00		
s)	Seharabazar	390.15	1515.00	1124.85		1490.00		
t)	Seriko	405.20	1525.00	1119.80		1470.00		
u)	Guskara	410.70	1530.00	1119.30		1490.00		
v)	Bedia	402.10	1520.00	1117.90		1450.00		
16.	**DWARAKESWAR**							
a)	Simulia	415.00	1795.68	1380.68	1347.54	1270.00	1391.00	97
b)	Arambag	436.00	1805.50	1369.50		1444.00		
c)	Sonamukhi	420.00	1760.00	1340.00		1410.00		
d)	Indus	395.00	1695.00	1300.00		1440.00		
17.	**SILABATI**							
a)	Ghatal	510.20	2753.02	2242.82	2228.86	1455.00	1457.50	153
b)	Ghadghat	495.10	2710.00	2214.90		1460.00		
18.	**KANGSABATI**							
a)	Tusuma	415.20	1693.80	1278.60	1501.63	1355.00	1482.70	101
b)	Kangsabati Dam	435.10	1621.90	1186.80		1300.00		
c)	Mohanpur	433.50	2316.72	1883.22		1556.00		
d)	Panskura	419.60	2128.75	1709.75		1516.00		
e)	Kharidwar	425.25	1576.25	1151.00		1520.00		
f)	Purihansha	440.10	1797.20	1357.10		1525.00		
g)	Phulberia	420.15	2047.80	1627.65		1530.00		
h)	Midnapore	390.25	1910.00	1519.75		1500.00		
i)	Sabang	410.20	2065.00	1654.80		1510.00		
j)	Bankura	425.15	2072.75	1647.60		1515.00		
19.	**KALIAGHAI**							
a)	Amgachia	433.85	1948.80	1514.95	1559.82	1508.00	1509.00	103
b)	Itamogra	525.35	2130.03	1604.68		1510.00		

1	2	3	4	5	6	7	8	9
20.	**JALANGI**							
a)	Swarupganj	642.40	2155.90	1513.50	1513.50	1440.00	1440.00	105
21.	**CHURNI**							
a)	Ranaghat	Rain Gauge to be installed						
22.	**BHAGIRATHI-HOOGHLY**							
a)	Berhampore	512.40	1901.20	1388.80	1433.45	1390.00	1531.67	93
b)	Kolkata (Alipore)	490.20	1991.56	1501.36		1610.00		
c)	Kolkata (Dum Dum)	465.15	1875.33	1410.18		1595.00		
23.	**RUPNARAYAN**							
a)	Tamluk	505.25	1938.36	1433.11	1433.11	1608.00	1608.00	89
24.	**SUBARNAREKHA**							
a)	Digha	378.95	1850.75	1471.80	1471.80	1610.00	1610.00	91
25.	**24-PGS & KOLKATA**							
A)	Tentulia	315.25	1825.10	1509.85	1489.08	1623.00	1573.67	95
b)	Barasat	387.50	1820.15	1432.65		1508.00		
c)	Bongaon	310.50	1835.25	1524.75		1590.00		
26.	**PICHABONI**							
a)	Ramnagar	Rain Gauge to be installed						
27.	**RASULPUR**							
a)	Contai	627.20	2250.20	1623.00	1623.00	1700.00	1700.00	95
28.	**HALDI**							
a)	Haldia	Rain Gauge to be installed						
29.	**MAYNA**							
a)	Barisha	426.15	1637.25	1211.10	1211.10	1790.00	1790.00	68
30.	**SIDDHESWARI**							
a)	Tatloi	360.20	1650.25	1290.05	1297.42	1580.00	1575.00	82
b)	Kuskarni	370.35	1675.15	1304.80		1570.00		
31.	**BAIDARA BARRAGE**	385.40	1710.20	1329.80	1341.37	1585.00	1587.50	84
32.	**DEOCHA BARRAGE**	377.20	1730.15	1352.95		1590.00		
33.	**Uttarbhag Pumping Station**	250.00	1765.10	1515.10	1515.10	1610.00	1610.00	94
34.	**Chowbhaga Pumping Station**	267.20	1775.20	1508.00	1508.00	1620.00	1620.00	93

STATEMENT OF DISTRICT-WISE INUNDATED AREA IN THE YEAR 2007 DUE TO FLOOD

Sl.No.	Name of District	Geographical Area (Sq.km.)	Area in un-dated in (Sq.km.)	Percentage %	Remarks
1	2	3	4	5	6
1.	Bankura	6881.00	256.00	3.76%	
2.	Birbhum	4545.00	32.03	0.70%	
3.	Burdwan	7024.43	172.00	2.45%	
4.	Hooghly	3149.00	41.00	1.30%	
5.	Howrah	1466.62	3.00	0.20%	
6.	Midnapore	14081.00	3.200	22.72%	
7.	Murshidabad	5324.00	725.00	13.60%	
8.	Nadia	3927.45	400.00	10.18%	
9.	North 24-Parganas	4094.00	0.405	0.004%	
10.	South 24-Parganas	9960.00	N.A.	-	
11.	Purulia	6258.72	NIL	NIL	
12.	Coochbehar	3387.00	30.50	0.90%	
13.	Darjeeling	3149.00	NIL	NIL	
14.	Jalpaiguri	6227.00	118.0	1.90%	
15.	Maldah	3732.00	48.40	1.30%	
16.	North Dinajpur	3139.80	NIL	NIL	
17.	South Dinajpur	2218.65	NIL	NIL	
18.	Calcutta	187.33	NIL	NIL	
	Total	**88,752.00**	**5,026.33**	**59.03%**	