

ANNUAL FLOOD REPORT OF WEST BENGAL FOR THE YEAR 2005.

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



ANNUAL FLOOD REPORT – 2005.

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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 than 75% occurs during the monsoon period while the hilly region at the foot hills receives the heaviest rainfall ranging from 2500 mm to 5000 mm, the southern districts in the plains receive average of 1125 mm to 1875 mm.

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

1. INTRODUCTION.

The state West Bengal crowned by the mighty snow-white Himalayas in the North and frothy sea on the South is a combination of land varying from high regions 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 21°31' & 27°13'14" North Latitudes and 85°45'20" & 89°53' East Longitudes. The geographical area of the state is about 88,752 sq.km. with a population density of 767 per sq.km. according to 1991 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-basins having individual catchment of their own. The area-wise distribution of the above main basins in the state are as under –

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

1.2 **RIVER SYSTEM**

1.2.1 **Brahmaputra Basin Drainage System.**

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

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

BRIEF DESCRIPTION OF RIVERS UNDER BRAHMAPUTRA BASIN

(A) SANKOSH

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

(B) RAIDAK.

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

(C) TORSA

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

(D) JALDHAKA

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

(E) TEESTA

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

1.2.2 GANGA BASINS

The two holy rivers – Bhagirathi and Alakananda originating from the glaciers of the Himalayas at an altitude of 7000 M. join at Dev-Prayag and the combined stream is known as the Ganga. It emerges into the plains at Rishikesh in Uttaranchal. After flowing exclusively through Uttaranchal and Uttar Pradesh it receives the flow of Yamuna, the largest tributary near 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 Paglajhora near Kurseong town in the district of Darjeeling. The Mahananda river system lies between latitude 25°15' N to 26°15' N and longitude 87°45' E to 88°15' E. It is bounded on the north by the Himalayas, in the east by the ridges separating it from Teesta river system, the river Ganga on the South and the Kosi river system in the east. The river bifurcates into two channels at Barsoi in Bihar. Out of the two branches one flows through Bihar by the name Fulahar and the other flows through West Bengal as Mahananda. The river Mahananda carrying the flow of four tributaries namely, Nagar, Kalindri, Tangon and Punarbhaba, drains into the river Ganga from the North-Western side at Godogarighat just downstream of the point where Ganga leaves the boundary of West Bengal.

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 Southeastern course, receives a spill channel of Mahananda and is joined by Kulick, 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.**

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

The Tolly's Nullah or the Adi Ganga, as it is sometimes 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 separate 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 2005 are given in Annexure-IV(Sheet No. 1/38 to 38/38 & 1/36 to 36/36).

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 occurrence. Very heavy rain is more frequent in first two months (June and July) than in subsequent, in the Sub-Himalayan West Bengal. In Gangetic West Bengal the frequency is maximum in August followed by June, July and September in that order.

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

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

2.1.1 **HIMALAYAN AND SUB-HIMALAYAN REGION.**

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

2.1.2 GANGETIC PLAINS

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

- Sector – I : Comprising districts – Bankura, Burdwan, Hooghly, Nadia and Purulia which receive an average rainfall – between 1140 mm and 1400 mm.
- Sector – II : Comprising districts – Birbhum, Midnapore, Murshidabad and North 24-Parganas having an average annual rainfall between 1400 mm and 1650 mm.
- Sector – III : Comprising districts – Howrah and South 24-Parganas having an average annual rainfall – between 1650 mm and 1900 mm.

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

This year in the Gangetic West Bengal region three districts – viz, Midnapore(+23%), South 24-Parganas(+19%), Birbhum(+1%), Hooghly(+10%), experienced rainfall above the normal during the monsoon period (June to October) while the districts – Howrah (-1%), Murshidabad(-25%), North 24-Parganas(-4%), Nadia (-2%), Bankura(-8%), Purulia (-18%) and Burdwan(-12%) experienced less rainfall than the normal. The region as a whole had experienced less (-1.0%) rainfall than the normal rainfall. In the Sub-Himalayan region the districts Coochbehar(-5%), Darjeeling(-29%) and Jalpaiguri(-4%) experienced less rainfall than the normal during the monsoon period and the districts Maldah(+10%) and North Dinajpur(+26%) and South Dinajpur(+39%) had an excess rainfall over the normal. The region as a whole experienced less (-0.5%) rainfall. The state had experienced less rainfall than the average annual rainfall.

The rainfall data for the districts as collected from Indian Meteorological Department, Alipore, Kolkata is shown in Annexure-I (Sheet – 1/15 to 15/15).

During the monsoon period, this year, the Sub-basins within the state of West Bengal experienced an average rainfall ranging from 52% to 94% of annual average rainfall of the sub-basins.

The rainfall data of different rivers (Sub-basin wise) are shown in Annexure-V (Sheet no. 1/2 to 2/2).

3. REPORT ON FLOOD DURING – 2005 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 2005 will depict a scenario of recurrence of high flood in the state.

<u>Flood affected area (Sq.km.)</u>	<u>Years of occurrence</u>	<u>Total No. of years.</u>
Below 500	1985,89,92,94,97,2001 & 2005	7
Between 500-2000	1962,63,64,65,66,72,75,96,2003 & 2004	10
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	4
Between 15,000 – 20,000	1971,86,87 & 88	4
Above 20,000	1978,80,84 & 2000.	4

This year i.e. 2005 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 1/7 to 7/7).

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 JUNE - 2005.**

Period from 01.06.2005 to 30.06.2005.

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	194.6	216.8	-10
2.	Birbhum	175.4	228.1	-23
3.	Burdwan	170.3	228.8	-26
4.	Hooghly	189.0	205.6	-8
5.	Howrah	161.8	269.5	-40
6.	Midnapore	179.6	245.4	-27
7.	Murshidabad	126.0	220.2	-43
8.	North 24-Parganas	176.2	301.5	-42
9.	Nadia	142.5	240.9	-41
10.	Purulia	143.9	218.1	-34
11.	South 24-Parganas	213.0	289.9	-27

Total	:	1872.3	2664.8	
Average	:	170.2	242.3	-29.8

Sub-Division : Sub-Himalayan West Bengal

12.	Coochbehar	678.2	735.4	-8
13.	Darjeeling	409.0	592.5	-31
14.	Jalpaiguri	486.7	634.7	-23
15.	Malda	69.4	212.8	-67
16.	North Dinajpur	287.0	298.4	-4
17.	South Dinajpur	52.7	298.4	-82

Total	:	1983.0	2772.2	
Average	:	330.5	462.0	-28.5

* Data not available.

ANNUAL FLOOD REPORT-2005.

**MONTHLY DISTRICTWISE ACTUAL & NORMAL RAINFALL RECEIVED
FROM I.M.D. ALIPORE, KOLKATA ALONG WITH PERCENT DEPARTURE
FROM NORMAL FOR THE MONTH OF JULY - 2005.**

Period from 01.07.2005 to 31.07.2005.

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	261.0	309.3	-16
2.	Birbhum	482.4	305.5	58
3.	Burdwan	310.4	323.3	-4
4.	Hooghly	210.2	273.9	-23
5.	Howrah	288.3	333.3	-14
6.	Midnapore	333.3	307.7	8
7.	Murshidabad	339.0	322.4	5
8.	North 24-Parganas	352.5	328.3	7
9.	Nadia	274.2	282.3	-3
10.	Purulia	208.6	294.1	-29
11.	South 24-Parganas	532.0	391.9	36

Total	:	3591.9	3472.0	
Average	:	326.5	315.6	3.5

Sub-Division : Sub-Himalayan West Bengal

12.	Coochbehar	631.3	799.3	-21
13.	Darjeeling	608.1	811.7	-25
14.	Jalpaiguri	833.5	841.7	-1
15.	Malda	566.8	327.1	73
16.	North Dinajpur	458.5	378.0	21
17.	South Dinajpur	409.1	378.0	8

Total	:	3507.3	3535.8	
Average	:	584.6	589.3	-0.8

*Data not available.

ANNUAL FLOOD REPORT-2005.

**MONTHLY DISTRICTWISE ACTUAL & NORMAL RAINFALL RECEIVED
FROM I.M.D. ALIPORE, KOLKATA ALONG WITH PERCENT DEPARTURE
FROM NORMAL FOR THE MONTH OF AUGUST - 2005.**

Period from 01.08.2005 to 31.08.2005.

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	238.1	296.9	-20
2.	Birbhum	220.6	293.0	-25
3.	Burdwan	199.4	304.6	-35
4.	Hooghly	221.4	245.0	-10
5.	Howrah	227.6	374.1	-39
6.	Midnapore	295.7	336.1	-12
7.	Murshidabad	151.8	272.2	-44
8.	North 24-Parganas	270.7	325.5	-17
9.	Nadia	143.8	241.9	-41
10.	Purulia	225.7	311.7	-28
11.	South 24-Parganas	283.2	365.3	-22

Total	:	2780.0	3366.3	
Average	:	225.3	306.0	- 22

Sub-Division : Sub-Himalayan West Bengal

12.	Coochbehar	650.8	569.6	14
13.	Darjeeling	596.4	661.2	-10
14.	Jalpaiguri	723.2	649.1	11
15.	Malda	291.9	264.1	11
16.	North Dinajpur	384.8	242.8	58
17.	South Dinajpur	407.1	242.8	68

Total	:	3054.2	2629.6	
Average	:	509.0	438.3	16

*Data not available.

ANNUAL FLOOD REPORT-2005.

**MONTHLY DISTRICTWISE ACTUAL & NORMAL RAINFALL RECEIVED
FROM I.M.D. ALIPORE, KOLKATA ALONG WITH PERCENT DEPARTURE
FROM NORMAL FOR THE MONTH OF SEPTEMBER - 2005.**

Period from 01.09.2005 to 30.09.2005.

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	193.0	246.9	-22
2.	Birbhum	106.9	258.3	-59
3.	Burdwan	133.2	239.3	-44
4.	Hooghly	151.3	188.5	-20
5.	Howrah	237.6	272.5	-13
6.	Midnapore	371.2	310.0	20
7.	Murshidabad	132.8	238.0	-44
8.	North 24-Parganas	121.7	296.5	-59
9.	Nadia	139.6	192.2	-27
10.	Purulia	137.0	254.3	-46
11.	South 24-Parganas	304.9	313.5	-3

Total	:	2029.2	2810.0	
Average	:	184.5	255.5	- 27.8

Sub-Division : Sub-Himalayan West Bengal

12.	Coochbehar	276.0	504.8	-45
13.	Darjeeling	116.1	483.5	-76
14.	Jalpaiguri	296.1	540.3	-45
15.	Malda	183.2	237.4	-23
16.	North Dinajpur	240.8	269.1	-11
17.	South Dinajpur	223.5	269.1	-17

Total	:	1335.7	2304.2	
Average	:	222.6	384.0	-42.0

*Data not available.

ANNUAL FLOOD REPORT-2005.

MONTHLY DISTRICTWISE ACTUAL & NORMAL RAINFALL RECEIVED FROM I.M.D. ALIPORE, KOLKATA ALONG WITH PERCENT DEPARTURE FROM NORMAL FOR THE MONTH OF OCTOBER - 2005.

Period from 01.10.2005 to 31.10.2005.

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	197.9	106.7	85
2.	Birbhum	219.3	110.2	99
3.	Burdwan	242.2	108.3	124
4.	Hooghly	321.1	83.6	284
5.	Howrah	451.1	129.6	248
6.	Midnapore	491.3	160.7	206
7.	Murshidabad	140.1	134.9	4
8.	North 24-Parganas	399.1	126.2	216
9.	Nadia	351.4	118.6	196
10.	Purulia	234.9	85.0	176
11.	South 24-Parganas	506.9	187.6	170

Total	:	3555.3	1351.4	
Average	:	323.2	122.9	162.98

Sub-Division : Sub-Himalayan West Bengal

12.	Coochbehar	421.3	176.3	139
13.	Darjeeling	162.1	128.0	27
14.	Jalpaiguri	365.4	161.0	127
15.	Malda	167.3	116.7	43
16.	North Dinajpur	295.4	132.3	123
17.	South Dinajpur	740.3	132.3	460

Total	:	2151.8	846.6	
Average	:	358.6	141.1	154.15

*Data not available.

ANNUAL FLOOD REPORT-2005.

**MONTHLY DISTRICTWISE ACTUAL & NORMAL RAINFALL RECEIVED
FROM I.M.D. ALIPORE, KOLKATA ALONG WITH PERCENT DEPARTURE
FROM NORMAL FOR THE MONTH OF NOVEMBER - 2005.**

Period from 01.11.2005 to 30.11.2005.

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	15.8	-100
2.	Birbhum	0	14.1	-100
3.	Burdwan	0	11.1	-100
4.	Hooghly	0	23.2	-100
5.	Howrah	0	30.9	-100
6.	Midnapore	0.1	33.0	-100
7.	Murshidabad	0	12.8	-100
8.	North 24-Parganas	0	23.2	-100
9.	Nadia	0	15	-100
10.	Purulia	25.4	13.2	-92
11.	South 24-Parganas	0	44.0	-100

Total	:	25.4	236.3	
Average	:	2.3	21.5	-89.3

Sub-Division : Sub-Himalayan West Bengal

12.	Coochbehar	0.2	10.7	-98
13.	Darjeeling	6.1	16.0	-62
14.	Jalpaiguri	8.0	8.7	-8
15.	Malda	0	11.6	-100
16.	North Dinajpur	*D.N.A.	12.4	-
17.	South Dinajpur	0	12.4	-100

Total	:	14.3	59.4	
Average	:	2.9	11.9	- 75.6

*Data not available.

ANNUAL FLOOD REPORT-2005.

**MONTHLY DISTRICTWISE ACTUAL & NORMAL RAINFALL RECEIVED
FROM I.M.D. ALIPORE, KOLKATA ALONG WITH PERCENT DEPARTURE
FROM NORMAL FOR THE MONTH OF JANUARY - 2005.**

Period from 01.01.2005 to 31.01.2005.

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	31.0	11.0	182
2.	Birbhum	52.1	12.2	327
3.	Burdwan	31.4	12.2	157
4.	Hooghly	25.7	12.0	114
5.	Howrah	43.0	12.7	239
6.	Midnapore	17.1	13.1	31.0
7.	Murshidabad	26.0	10.6	145
8.	North 24-Parganas	21.3	10.3	107
9.	Nadia	20.0	9.4	113
10.	Purulia	DNA	11.4	-
11.	South 24-Parganas	32.3	13.3	143

Total	:	299.9	116.8	
Average	:	29.9	11.7	115.6

Sub-Division : Sub-Himalayan West Bengal

12.	Coochbehar	25.4	9.6	165
13.	Darjeeling	15.1	40.1	-62
14.	Jalpaiguri	28.4	8.9	219
15.	Malda	12.0	11.8	2
16.	North Dinajpur	DNA	6.9	-
17.	South Dinajpur	DNA	6.9	-

Total	:	69.9	70.4	
Average	:	17.5	17.6	0.6

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 FEBRUARY - 2005.**

Period from 01.02.2005 to 28.02.2005.

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	35.6	16.8	112
2.	Birbhum	21.3	19.6	9
3.	Burdwan	24.4	16.5	48
4.	Hooghly	10.5	14.7	-29
5.	Howrah	0	20.0	-100
6.	Midnapore	2.2	20.9	-89
7.	Murshidabad	38.0	13.3	186
8.	North 24-Parganas	0.6	19.8	-97
9.	Nadia	6	13.9	-57
10.	Purulia	DNA	19.9	-
11.	South 24-Parganas	0.1	19.3	-99

Total	:	138.7	174.8	
Average	:	13.9	17.5	-20.6

Sub-Division : Sub-Himalayan West Bengal

12.	Coochbehar	6.8	13.2	-48
13.	Darjeeling	5.6	28.5	-80
14.	Jalpaiguri	5.2	11.2	-54
15.	Malda	5.8	11.5	-50
16.	North Dinajpur	DNA	15.1	-
17.	South Dinajpur	0	15.1	-100

Total	:	23.4	79.5	
Average	:	4.7	15.9	- 70.4

**MONTHLY DISTRICTWISE ACTUAL & NORMAL RAINFALL RECEIVED
FROM I.M.D. ALIPORE, KOLKATA ALONG WITH PERCENT DEPARTURE
FROM NORMAL FOR THE MONTH MARCH - 2005.**

Period from 01.3.2005 to 31.03.2005.

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	53.4	27.9	91
2.	Birbhum	77.4	25.8	200
3.	Burdwan	46.4	20.3	129
4.	Hooghly	59.5	24.0	148
5.	Howrah	110.0	30.2	264
6.	Midnapore	91.0	34.1	167
7.	Murshidabad	45.0	19.3	133
8.	North 24-Parganas	87.9	27.5	220
9.	Nadia	104.2	27.8	275
10.	Purulia	DNA	23.6	-
11.	South 24-Parganas	116.4	32.0	264

Total	:	791.2	268.9	
Average	:	79.1	26.9	194

Sub-Division : Sub-Himalayan West Bengal

12.	Coochbehar	66.2	36.1	83
13.	Darjeeling	102.6	61.2	68
14.	Jalpaiguri	201.3	32.8	514
15.	Malda	35.5	12.6	182
16.	North Dinajpur	DNA	23.0	-
17.	South Dinajpur	DNA	23.0	-

Total	:	405.6	142.7	
Average	:	101.4	35.7	184

**MONTHLY DISTRICTWISE ACTUAL & NORMAL RAINFALL RECEIVED
FROM I.M.D. ALIPORE, KOLKATA ALONG WITH PERCENT DEPARTURE
FROM NORMAL FOR THE MONTH OF APRIL - 2005.**

Period from 01.04.2005 to 30.04.2005.

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	53.4	40.0	34
2.	Birbhum	77.4	40.8	90
3.	Burdwan	46.4	38.3	21
4.	Hooghly	39.2	60.5	-36
5.	Howrah	106.1	62.0	71
6.	Midnapore	47.0	47.1	0
7.	Murshidabad	45.0	49.2	-9
8.	North 24-Parganas	41.2	54.5	-24
9.	Nadia	104.2	62.8	66
10.	Purulia	DNA	34.4	-
11.	South 24-Parganas	79.3	47.9	66

Total	:	639.2	503.1	
Average	:	63.9	50.3	27

Sub-Division : Sub-Himalayan West Bengal

12.	Coochbehar	193.6	142.8	36
13.	Darjeeling	70.0	138.8	-50
14.	Jalpaiguri	216.4	123.1	76
15.	Malda	17.5	37.1	-53
16.	North Dinajpur	DNA	62.4	-
17.	South Dinajpur	0	62.4	-100

Total	:	497.5	504.2	
Average	:	99.5	100.8	-1.3

**MONTHLY DISTRICTWISE ACTUAL & NORMAL RAINFALL RECEIVED
FROM I.M.D. ALIPORE, KOLKATA ALONG WITH PERCENT DEPARTURE
FROM NORMAL FOR THE MONTH OF MAY - 2005.**

Period from 01.05.2005 to 31.05.2005.

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	62.2	71.6	-13
2.	Birbhum	69.2	93.6	-26
3.	Burdwan	51.4	73.5	-30
4.	Hooghly	32.3	84.9	-62
5.	Howrah	74.7	120.8	-38
6.	Midnapore	139.6	108.0	29
7.	Murshidabad	4.3	111.3	-96
8.	North 24-Parganas	123.3	117.7	5
9.	Nadia	59.9	108.6	-45
10.	Purulia	DNA	54.8	-
11.	South 24-Parganas	84.2	96.4	-13

Total	:	701.1	986.4	
Average	:	70.1	98.6	- 28.9

Sub-Division : Sub-Himalayan West Bengal

12.	Coochbehar	346.5	408.7	-15
13.	Darjeeling	131.1	267.1	-51
14.	Jalpaiguri	241.6	303.8	-20
15.	Malda	86.2	104.4	-17
16.	North Dinajpur	DNA	163.8	-
17.	South Dinajpur	0	163.8	-100

Total	:	805.4	1247.8	
Average	:	161.1	249.6	- 35.5

**MONTHLY DISTRICTWISE ACTUAL & NORMAL RAINFALL RECEIVED
FROM I.M.D. ALIPORE, KOLKATA ALONG WITH PERCENT DEPARTURE
FROM NORMAL FOR THE MONTH OF DECEMBER-2005.**

Period from 01.12.2005 to 31.12.2005.

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	23.4	6.1	284
2.	Birbhum	5.8	5.8	0
3.	Burdwan	9.6	2.9	231
4.	Hooghly	0.9	0.2	350
5.	Howrah	1.8	6.2	-71
6.	Midnapore	1.9	7.3	-74
7.	Murshidabad	2.0	4.2	-52
8.	North 24-Parganas	0	8.1	-100
9.	Nadia	7.2	5.2	38
10.	Purulia	DNA	5.4	-
11.	South 24-Parganas	0.5	10.2	-95

Total	:	53.1	56.2	
Average	:	5.31	5.62	- 5.5

Sub-Division : Sub-Himalayan West Bengal

12.	Coochbehar	0	4.1	-100
13.	Darjeeling	0	7.4	-100
14.	Jalpaiguri	0	4.5	-100
15.	Malda	0	4.3	-100
16.	North Dinajpur	DNA	4.9	-
17.	South Dinajpur	0	4.9	-100

Total	:	0	25.2	
Average	:	0	5.04	- 100

**DISTRICTWISE ACTUAL & NORMAL RAINFALL DURING MONSOON
PERIOD ALONG WITH PERCENT DEPARTURE FROM NORMAL
FOR THE YEAR-2005.**

Period from June 2005 to October 2005.

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	1084.6	1176.6	-8
2.	Birbhum	1204.6	1195.1	1.0
3.	Burdwan	1055.5	1204.3	-12
4.	Hooghly	1093.0	996.6	10
5.	Howrah	1366.4	1379.0	-1.0
6.	Midnapore	1671.1	1359.9	23
7.	Murshidabad	889.7	1187.7	-25
8.	North 24-Parganas	1320.2	1378.0	-4
9.	Nadia	1051.5	1075.9	-2
10.	Purulia	950.1	1163.2	-18
11.	South 24-Parganas	1840.0	1548.2	19

Total	:	13526.7	13664.5	
Average	:	1229.7	1242.2	-1.0

Sub-Division : Sub-Himalayan West Bengal

12.	Coochbehar	2657.6	2785.4	-5
13.	Darjeeling	1891.7	2676.9	-29
14.	Jalpaiguri	2704.9	2826.8	-4
15.	Malda	1278.6	1158.1	10
16.	North Dinajpur	1666.5	1320.5	26
17.	South Dinajpur	1832.7	1320.6	39

Total	:	12032.0	12088.4	
Average	:	2005.3	2014.7	-0.5

**YEARLY DISTRICTWISE ACTUAL & NORMAL RAINFALL WITH PERCENT
DEPARTURE FROM NORMAL FOR THE YEAR-2005.**

Period from January 2005 to December 2005.

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	1343.6	1365.8	-1.6
2.	Birbhum	1507.8	1407.0	7.2
3.	Burdwan	1265.1	1379.1	-8.3
4.	Hooghly	1261.1	1216.1	3.7
5.	Howrah	1702.0	1661.8	2.4
6.	Midnapore	1970.0	1623.4	21.4
7.	Murshidabad	1050.0	1408.4	-25.4
8.	North 24-Parganas	1594.5	1639.1	-2.7
9.	Nadia	1353.0	1318.6	2.6
10.	Purulia	DNA	1325.9	-
11.	South 24-Parganas	2152.8	1811.3	18.9

Total	:	15199.9	14830.6	
Average	:	1519.9	1483.1	2.5

Sub-Division : Sub-Himalayan West Bengal

12.	Coochbehar	3296.3	3410.6	-3.4
13.	Darjeeling	2222.2	3236.0	-31.3
14.	Jalpaiguri	3405.8	3319.8	2.6
15.	Malda	1435.6	1351.4	6.2
16.	North Dinajpur	DNA	1609.1	-
17.	South Dinajpur	DNA	1609.1	-

Total	:	10359.9	11317.8	
Average	:	2589.9	2829.5	-8.5

DISTRICTWISE MONSOON RAINFALL IN PERCENTAGE OF ANNUAL RAINFALL FOR THE YEAR -2005.

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	1084.6	1365.8	79
2.	Birbhum	1204.6	1407.0	86
3.	Burdwan	1055.5	1379.1	77
4.	Hooghly	1093.0	1216.1	90
5.	Howrah	1366.4	1661.8	82
6.	Midnapore	1671.1	1623.4	103
7.	Murshidabad	889.7	1408.4	63
8.	North 24-Parganas	1320.2	1639.1	81
9.	Nadia	1051.5	1318.6	80
10.	Purulia	950.1	1325.9	72
11.	South 24-Parganas	1840.0	1811.3	102

Sub-Division : Sub-Himalayan West Bengal

12.	Coochbehar	2657.6	3410.6	78
13.	Darjeeling	1891.7	3236.0	58
14.	Jalpaiguri	2704.9	3319.8	81
15.	Malda	1278.6	1351.4	95
16.	North Dinajpur	1666.5	1609.1	104
17.	South Dinajpur	1832.7	1609.1	114

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

[illegible]

**IMPORTANT RESERVOIR LEVELS & OUTFLOW DATA DURING
THE FLOOD SEASON OF 2005.**

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
15.6.05	06.00	120.14	-	
24.6.05	06.00	119.97	-	
4.7.05	06.00	120.82	-	
12.7.05	06.00	122.37	103.00	
14.7.05	06.00	122.61	-	
16.7.05	06.00	124.23	219.00	
22.7.05	06.00	122.99	-	
23.7.05	06.00	123.11	48.00	
28.7.05	06.00	122.49	219.00	* Maximum Reservoir Level
2.8.05	06.00	123.35	79.00	
3.8.05	06.00	123.28	38.00	** Maximum Outflow
6.8.05	06.00	125.44	122.00	
11.8.05	06.00	124.39	425.00**	
14.8.05	06.00	123.19	196.00	
16.8.05	06.00	122.62	207.00	
17.8.05	06.00	123.33	375.00	
21.8.05	06.00	122.74	204.00	
25.8.05	06.00	125.65	421.00	
1.9.05	06.00	123.49	216.00	
7.9.05	06.00	121.31	11.00	
14.9.05	06.00	122.78	0.00	
17.9.05	06.00	123.70	85.00	
26.9.05	06.00	125.70*	-	
3.10.05	06.00	124.75	244.00	
6.10.05	06.00	124.23	-	
11.10.05	06.00	123.86	-	
15.10.05	06.00	123.95	-	

**IMPORTANT RESERVOIR LEVELS & OUTFLOW DATA DURING
THE FLOOD SEASON OF 2005.**

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
15.6.05	06.00	256.82	-	
16.6.05	06.00	256.82	1.78	
17.6.05	06.00	256.76	1.78	
18.6.05	06.00	256.73	1.78	* Maximum Reservoir Level
19.6.05	06.00	256.72	1.78	
20.6.05	06.00	256.70	1.78	** Maximum Outflow
25.6.05	06.00	256.60	1.93	
3.7.05	06.00	257.46	1.97	
10.7.05	06.00	257.63	1.98	
13.7.05	06.00	257.62	1.98	
14.7.05	06.00	257.78	1.97	
21.7.05	06.00	258.78	1.53	
25.7.05	06.00	259.31	1.54	
27.7.05	06.00	259.29	40.54	
31.7.05	06.00	259.66	54.02	
1.8.05	06.00	259.55	-	
4.8.05	06.00	260.30*	248.18	
6.8.05	06.00	259.74	55.18	
8.8.05	06.00	259.83	56.54	
12.8.05	06.00	259.52	1.38	
17.8.05	06.00	259.87	57.38	
20.8.05	06.00	259.51	51.79	
22.8.05	06.00	260.02	233.52	
23.8.05	06.00	259.90	511.29**	
24.8.05	06.00	259.49	251.53	
25.8.05	06.00	259.64	53.96	
28.8.05	06.00	259.49	1.90	
4.9.05	06.00	259.78	40.91	
8.9.05	06.00	260.15	2.10	
12.9.05	06.00	259.42	2.06	
14.9.05	06.00	259.48	51.82	
15.9.05	06.00	259.38	50.30	
19.9.05	06.00	259.89	58.13	
22.9.05	06.00	259.58	2.07	
30.9.05	06.00	259.95	2.09	
1.10.05	06.00	259.72	55.65	
15.10.05	06.00	259.80	2.08	

<u>Name of Reservoir</u>	<u>Kangsabati</u>
Conservation Level	134.11 M (440.00 Ft.)
Dead Storage Level	120.40 M (395.00 Ft.)

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IMPORTANT RESERVOIR LEVELS & OUTFLOW DATA DURING THE FLOOD SEASON OF 2005.

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

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**IMPORTANT BARRAGE LEVELS & DISCHARGE DATA DURING
THE FLOOD SEASON OF 2005.**

Name of Barrage : Tilpara

Date	Time (in hours)	Barrage Level (in M)	Discharge (in Cumecs)	Remarks
1	2	3	4	5
15.6.05	06.00	61.996	-	* Maximum Level ** Maximum Outflow
27.6.05	06.00	58.064	-	
3.7.05	06.00	58.064	-	
5.7.05	06.00	59.375	-	
7.7.05	06.00	58.064	-	
14.7.05	06.00	58.064	-	
15.7.05	06.00	59.588	-	
18.7.05	06.00	57.973	-	
24.7.05	06.00	62.240	-	
29.7.05	06.00	61.844	-	
31.7.05	06.00	62.179	-	
1.8.05	06.00	62.088	-	
2.8.05	06.00	62.241	-	
3.8.05	06.00	62.088	-	
4.8.05	06.00	62.332	NIL	
5.8.05	06.00	62.271	-	
6.8.05	06.00	62.484	-	
8.8.05	06.00	62.271	-	
9.8.05	06.00	62.301	-	
10.8.05	06.00	62.271	-	
11.8.05	06.00	62.423	-	
12.8.05	06.00	62.240	-	
16.8.05	06.00	62.545	-	
20.8.05	06.00	62.057	NIL	
23.8.05	06.00	62.484	-	
24.8.05	06.00	62.362	14.75	
25.8.05	06.00	62.240	-	
30.8.05	06.00	62.545	-	
1.9.05	06.00	62.301	-	
2.9.05	06.00	62.758*	-	
3.9.05	06.00	62.575	29.99**	
12.9.05	06.00	62.575	NIL	
25.9.05	06.00	61.966	8.50	
9.10.05	06.00	62.606	8.50	
13.10.05	06.00	62.697	2.83	
15.10.05	06.00	62.758*	-	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

North Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Sankosh	L.R.P.Crossing	13.6.2005	45.35	10.00	* This year's highest level.
Warning Level		14.6.2005	45.36	10.00	
E.D.L.	49.1	17.6.2005	45.40	10.00	
D.L.	48.20	19.6.2005	45.65	10.00	
		23.6.2005	46.40	10.00	
		26.6.2005	45.60	10.00	
		30.6.2005	45.96	10.00	
		1.7.2005	46.18	10.00	
		8.7.2005	45.90	10.00	
		11.7.2005	47.10	10.00	
		14.7.2005	46.30	10.00	
		16.7.2005	47.35	10.00	
		21.7.2005	47.30	10.00	
		25.7.2005	46.35	10.00	
		28.7.2005	46.25	10.00	
		2.8.2005	45.95	10.00	
		4.8.2005	46.00	10.00	
		7.8.2005	47.00	10.00	
		14.8.2005	46.20	10.00	
		16.8.2005	46.65	10.00	
		20.8.2005	46.50	10.00	
		24.8.2005	47.50*	10.00	
		25.8.2005	47.20	10.00	
		31.8.2005	46.05	10.00	
		3.9.2005	46.00	10.00	
		6.9.2005	46.15	10.00	
		8.9.2005	46.05	10.00	
		14.9.2005	45.70	10.00	
		15.9.2005	45.65	10.00	
		17.9.2005	45.60	10.00	
		22.9.2005	45.85	10.00	
		28.9.2005	45.20	10.00	
		29.9.2005	45.75	10.00	
		5.10.2005	46.70	10.00	
		6.10.2005	46.75	10.00	
		12.10.2005	45.70	10.00	
		13.10.2005	45.65	10.00	
		14.10.2005	45.65	10.00	
		27.10.2005	45.85	10.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

North Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Raidak-I	L.R.P.Crossing	14.6.2005	43.92	10.00	* This year's highest level.
Warning Level		15.6.2005	44.00	10.00	
E.D.L.	47.6	17.6.2005	44.00	10.00	
D.L.	46.7	19.6.2005	44.25	10.00	
		23.6.2005	45.00	10.00	
		27.6.2005	44.10	10.00	
		1.7.2005	44.54	10.00	
		6.7.2005	44.14	10.00	
		8.7.2005	44.00	10.00	
		12.7.2005	44.50	10.00	
		14.7.2005	44.45	10.00	
		16.7.2005	45.80*	10.00	
		21.7.2005	44.80	10.00	
		24.7.2005	44.15	10.00	
		28.7.2005	44.15	10.00	
		2.8.2005	44.00	10.00	
		4.8.2005	44.00	10.00	
		8.8.2005	44.00	10.00	
		11.8.2005	44.00	10.00	
		17.8.2005	44.10	10.00	
		18.8.2005	44.05	10.00	
		24.8.2005	45.65	10.00	
		25.8.2005	45.70	10.00	
		30.8.2005	44.20	10.00	
		1.9.2005	44.15	10.00	
		7.9.2005	44.00	10.00	
		8.9.2005	44.00	10.00	
		14.9.2005	44.00	10.00	
		15.9.2005	44.00	10.00	
		25.9.2005	44.00	10.00	
		26.9.2005	44.15	10.00	
		28.9.2005	44.00	10.00	
		5.10.2005	44.85	10.00	
		6.10.2005	44.55	10.00	
		11.10.2005	44.00	10.00	
		13.10.2005	44.00	10.00	
		27.10.2005	44.00	10.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

North Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Raidak-II	L.R.P.Crossing	13.6.2005	45.55	10.00	* This year's highest level.
Warning Level		14.6.2005	45.33	10.00	
E.D.L.	49.00	17.6.2005	45.41	10.00	
D.L.	48.10	19.6.2005	45.55	10.00	
		23.6.2005	46.00	10.00	
		27.6.2005	45.50	10.00	
		3.7.2005	45.75	10.00	
		6.7.2005	46.11	10.00	
		8.7.2005	45.70	10.00	
		13.7.2005	46.90	10.00	
		16.7.2005	44.85	10.00	
		19.7.2005	47.25*	10.00	
		21.7.2005	46.90	10.00	
		27.7.2005	46.10	10.00	
		28.7.2005	46.00	10.00	
		2.8.2005	45.85	10.00	
		4.8.2005	45.85	10.00	
		8.8.2005	46.35	10.00	
		13.8.2005	45.95	10.00	
		16.8.2005	46.20	10.00	
		19.8.2005	46.00	10.00	
		24.8.2005	46.65	10.00	
		25.8.2005	46.50	10.00	
		30.8.2005	45.90	10.00	
		2.9.2005	45.90	10.00	
		7.9.2005	44.95	10.00	
		12.9.2005	46.80	10.00	
		14.9.2005	45.75	10.00	
		15.9.2005	45.70	10.00	
		16.9.2005	45.65	10.00	
		23.9.2005	45.80	10.00	
		25.9.2005	45.90	10.00	
		29.9.2005	45.80	10.00	
		5.10.2005	46.65	10.00	
		6.10.2005	46.50	10.00	
		12.10.2005	45.70	10.00	
		13.10.2005	45.70	10.00	
		14.10.2005	45.75	10.00	
		27.10.2005	45.90	10.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

North Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Torsa	Hasimara	14.6.2005	114.08	10.00	* Above D.L. ** Above EDL & this year's highest level.
Warning Level		15.6.2005	114.28	10.00	
E.D.L.	116.90	17.6.2005	114.23	10.00	
D.L.	116.30	20.6.2005	115.10	10.00	
		24.6.2005	114.37	10.00	
		25.6.2005	114.55	10.00	
		2.7.2005	115.58	10.00	
		6.7.2005	115.24	10.00	
		8.7.2005	114.85	10.00	
		10.7.2005	116.35*	10.00	
		14.7.2005	115.45	10.00	
		19.7.2005	117.15**	10.00	
		21.7.2005	115.65	10.00	
		27.7.2005	115.30	10.00	
		28.7.2005	115.00	10.00	
		3.8.2005	114.60	10.00	
		5.8.2005	114.65	10.00	
		7.8.2005	116.05	10.00	
		11.8.2005	115.20	10.00	
		15.8.2005	115.65	10.00	
		18.8.2005	115.50	10.00	
		24.8.2005	115.70	10.00	
		25.8.2005	115.55	10.00	
		29.8.2005	115.60	10.00	
		5.9.2005	115.55	10.00	
		7.9.2005	115.35	10.00	
		8.9.2005	115.30	10.00	
		14.9.2005	115.00	10.00	
		15.9.2005	115.00	10.00	
		20.9.2005	114.85	10.00	
		25.9.2005	114.90	10.00	
		26.9.2005	115.55	10.00	
		1.10.2005	116.90	10.00	
		2.10.2005	115.05	10.00	
		6.10.2005	115.50	10.00	
		11.10.2005	114.95	10.00	
		14.10.2005	114.80	10.00	
		27.10.2005	115.25	10.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

North Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Kaljani	Alipurduar	13.6.2005	42.65	10.00	* This year's highest level.
Warning Level		14.6.2005	42.60	10.00	
E.D.L.	45.70	15.6.2005	42.60	10.00	
D.L.	45.10	21.6.2005	42.85	10.00	
		23.6.2005	43.15	10.00	
		28.6.2005	42.70	10.00	
		30.6.2005	42.70	10.00	
		4.7.2005	43.05	10.00	
		7.7.2005	42.80	10.00	
		11.7.2005	44.85*	10.00	
		14.7.2005	43.35	10.00	
		20.7.2005	44.45	10.00	
		21.7.2005	44.20	10.00	
		27.7.2005	43.10	10.00	
		28.7.2005	42.95	10.00	
		3.8.2005	42.70	10.00	
		4.8.2005	42.70	10.00	
		8.8.2005	43.05	10.00	
		14.8.2005	42.80	10.00	
		15.8.2005	43.70	10.00	
		21.8.2005	43.10	10.00	
		24.8.2005	44.10	10.00	
		25.8.2005	43.90	10.00	
		31.8.2005	43.05	10.00	
		3.9.2005	42.85	10.00	
		6.9.2005	43.10	10.00	
		8.9.2005	43.00	10.00	
		14.9.2005	42.70	10.00	
		15.9.2005	42.70	10.00	
		19.9.2005	42.65	10.00	
		22.9.2005	42.65	10.00	
		26.9.2005	43.45	10.00	
		2.10.2005	42.90	10.00	
		5.10.2005	43.85	10.00	
		6.10.2005	43.45	10.00	
		12.10.2005	42.95	10.00	
		13.10.2005	42.90	10.00	
		27.10.2005	43.35	10.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

North Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Jaldhaka	N.H.-31	15.6.2005	79.00	10.00	* Above D.L. & this year's highest level.
Warning Level		17.6.2005	79.09	10.00	
E.D.L.	80.50	19.6.2005	79.37	10.00	
D.L.	80.00	26.6.2005	79.13	10.00	
		27.6.2005	79.46	10.00	
		30.6.2005	79.41	10.00	
		5.7.2005	79.81	10.00	
		7.7.2005	79.51	10.00	
		10.7.2005	79.96	10.00	
		14.7.2005	79.46	10.00	
		20.7.2005	80.23*	10.00	
		21.7.2005	79.93	10.00	
		27.7.2005	79.32	10.00	
		28.7.2005	79.15	10.00	
		1.8.2005	79.02	10.00	
		5.8.2005	78.94	10.00	
		8.8.2005	79.95	10.00	
		11.8.2005	79.46	10.00	
		16.8.2005	79.74	10.00	
		18.8.2005	79.61	10.00	
		23.8.2005	79.33	10.00	
		25.8.2005	79.50	10.00	
		31.8.2005	79.25	10.00	
		3.9.2005	78.98	10.00	
		4.9.2005	79.24	10.00	
		9.9.2005	79.05	10.00	
		14.9.2005	78.77	10.00	
		19.9.2005	78.64	10.00	
		21.9.2005	79.00	10.00	
		22.9.2005	78.86	10.00	
		26.9.2005	79.63	10.00	
		1.10.2005	79.85	10.00	
		3.10.2005	79.13	10.00	
		10.10.2005	79.98	10.00	
		12.10.2005	78.90	10.00	
		13.10.2005	78.89	10.00	
		14.10.2005	78.86	10.00	
		27.10.2005	79.55	10.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

North Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Diana	Chengmari	14.6.2005	194.55	10.00	* Above D.L. & this year's highest level.
Warning Level		15.6.2005	198.05	10.00	
E.D.L.	201.40	17.6.2005	198.40	10.00	
D.L.	200.50	21.6.2005	194.65	10.00	
		23.6.2005	198.30	10.00	
		28.6.2005	198.10	10.00	
		30.6.2005	198.35	10.00	
		6.7.2005	194.90	10.00	
		9.7.2005	195.20	10.00	
		11.7.2005	198.50	10.00	
		14.7.2005	198.45	10.00	
		19.7.2005	200.80*	10.00	
		21.7.2005	199.70	10.00	
		25.7.2005	198.40	10.00	
		28.7.2005	198.30	10.00	
		1.8.2005	198.20	10.00	
		5.8.2005	198.15	10.00	
		7.8.2005	198.80	10.00	
		11.8.2005	198.30	10.00	
		15.8.2005	198.60	10.00	
		18.8.2005	198.50	10.00	
		20.8.2005	198.35	10.00	
		29.8.2005	198.80	10.00	
		31.8.2005	198.40	10.00	
		6.9.2005	198.75	10.00	
		7.9.2005	198.45	10.00	
		8.9.2005	198.35	10.00	
		14.9.2005	198.15	10.00	
		15.9.2005	198.15	10.00	
		18.9.2005	198.00	10.00	
		22.9.2005	198.05	10.00	
		25.9.2005	198.45	10.00	
		29.9.2005	198.35	10.00	
		5.10.2005	198.70	10.00	
		6.10.2005	198.55	10.00	
		12.10.2005	198.15	10.00	
		13.10.2005	198.10	10.00	
		14.10.2005	198.05	10.00	
		27.10.2005	198.45	10.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

North Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Mansai	Mathabhanga	11.6.2005	46.27	10.00	* Above D.L. & this year's highest level.
Warning Level		13.6.2005	46.34	10.00	
E.D.L.	48.70	16.6.2005	46.32	10.00	
D.L.	48.20	22.6.2005	46.56	10.00	
		23.6.2005	46.63	10.00	
		28.6.2005	46.29	10.00	
		30.6.2005	46.30	10.00	
		5.7.2005	46.97	10.00	
		8.7.2005	46.38	10.00	
		12.7.2005	47.25	10.00	
		15.7.2005	46.94	10.00	
		19.7.2005	48.28*	10.00	
		21.7.2005	47.37	10.00	
		27.7.2005	46.65	10.00	
		28.7.2005	46.59	10.00	
		3.8.2005	46.41	10.00	
		6.8.2005	46.28	10.00	
		9.8.2005	47.42	10.00	
		12.8.2005	47.52	10.00	
		17.8.2005	47.14	10.00	
		19.8.2005	47.43	10.00	
		25.8.2005	47.50	10.00	
		31.8.2005	47.05	10.00	
		1.9.2005	47.02	10.00	
		3.9.2005	46.90	10.00	
		8.9.2005	46.90	10.00	
		13.9.2005	46.80	10.00	
		15.9.2005	46.79	10.00	
		20.9.2005	46.72	10.00	
		24.9.2005	46.74	10.00	
		28.9.2005	47.12	10.00	
		1.10.2005	46.83	10.00	
		5.10.2005	46.96	10.00	
		6.10.2005	47.76	10.00	
		12.10.2005	46.77	10.00	
		13.10.2005	46.74	10.00	
		14.10.2005	46.71	10.00	
		27.10.2005	46.95	10.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

North Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Teesta	<u>Coronation Bridge</u>	13.6.2005	144.65	10.00	* This year's highest level.
Warning Level		15.6.2005	144.85	10.00	
E.D.L.	151.80	19.6.2005	146.30	10.00	
D.L.	149.40	27.6.2005	145.30	10.00	
		29.6.2005	146.55	10.00	
		2.7.2005	146.35	10.00	
		6.7.2005	147.90	10.00	
		10.7.2005	148.60	10.00	
		12.7.2005	146.40	10.00	
		14.7.2005	146.65	10.00	
		20.7.2005	148.10	10.00	
		22.7.2005	147.10	10.00	
		26.7.2005	147.70	10.00	
		28.7.2005	147.05	10.00	
		2.8.2005	145.80	10.00	
		5.8.2005	148.80*	10.00	
		10.8.2005	146.25	10.00	
		11.8.2005	146.35	10.00	
		15.8.2005	147.30	10.00	
		18.8.2005	146.50	10.00	
		24.8.2005	147.30	10.00	
		25.8.2005	146.80	10.00	
		31.8.2005	145.85	10.00	
		6.9.2005	146.05	10.00	
		7.9.2005	145.70	10.00	
		8.9.2005	145.60	10.00	
		14.9.2005	145.30	10.00	
		17.9.2005	145.00	10.00	
		21.9.2005	145.30	10.00	
		24.9.2005	145.45	10.00	
		27.9.2005	146.60	10.00	
		29.9.2005	145.80	10.00	
		2.10.2005	145.05	10.00	
		6.10.2005	145.25	10.00	
		11.10.2005	144.85	10.00	
		13.10.2005	144.75	10.00	
		14.10.2005	144.65	10.00	
		27.10.2005	146.60	10.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

North Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Teesta	Domohani	13.6.2005	84.46	10.00	* Above D.L. ** Above D.L. & this year's highest level.
Warning Level		15.6.2005	84.51	10.00	
E.D.L.	85.95	16.6.2005	84.76	10.00	
D.L.	85.60	18.6.2005	85.36	10.00	
		27.6.2005	84.88	10.00	
		29.6.2005	85.30	10.00	
		30.6.2005	85.33	10.00	
		5.7.2005	85.66*	10.00	
		8.7.2005	85.27	10.00	
		10.7.2005	85.68*	10.00	
		15.7.2005	85.50	10.00	
		20.7.2005	85.90**	10.00	
		22.7.2005	85.72*	10.00	
		25.7.2005	85.32	10.00	
		29.7.2005	85.28	10.00	
		3.8.2005	85.05	10.00	
		6.8.2005	85.05	10.00	
		8.8.2005	85.64*	10.00	
		12.8.2005	85.78*	10.00	
		13.8.2005	85.34	10.00	
		19.8.2005	85.29	10.00	
		24.8.2005	85.64*	10.00	
		25.8.2005	85.55	10.00	
		31.8.2005	85.03	10.00	
		1.9.2005	84.89	10.00	
		6.9.2005	85.10	10.00	
		8.9.2005	84.95	10.00	
		14.9.2005	84.50	10.00	
		15.9.2005	84.44	10.00	
		20.9.2005	84.27	10.00	
		22.9.2005	84.56	10.00	
		27.9.2005	85.36	10.00	
		30.9.2005	84.68	10.00	
		4.10.2005	85.01	10.00	
		6.10.2005	84.88	10.00	
		11.10.2005	84.37	10.00	
		13.10.2005	84.21	10.00	
		14.10.2005	84.18	10.00	
		27.10.2005	85.36	10.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

North Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Mahananda	H.C.Road	13.6.2005	113.30	10.00	* This year's highest level.
Warning Level		15.6.2005	114.10	10.00	
E.D.L.	116.59	16.6.2005	114.10	10.00	
D.L.	115.97	19.6.2005	113.325	10.00	
		23.6.2005	113.40	10.00	
		28.6.2005	113.25	10.00	
		29.6.2005	113.35	10.00	
		1.7.2005	113.95	10.00	
		6.7.2005	113.55	10.00	
		7.7.2005	113.45	10.00	
		13.7.2005	114.15	10.00	
		14.7.2005	113.875	10.00	
		17.7.2005	114.60*	10.00	
		25.7.2005	113.75	10.00	
		26.7.2005	114.225	10.00	
		2.8.2005	113.55	10.00	
		3.8.2005	114.15	10.00	
		5.8.2005	113.65	10.00	
		8.8.2005	114.60*	10.00	
		14.8.2005	114.30	10.00	
		16.8.2005	113.90	10.00	
		19.8.2005	114.00	10.00	
		24.8.2005	114.30	10.00	
		27.8.2005	114.40	10.00	
		30.8.2005	114.00	10.00	
		2.9.2005	113.25	10.00	
		6.9.2005	114.05	10.00	
		8.9.2005	113.85	10.00	
		14.9.2005	113.75	10.00	
		15.9.2005	113.75	10.00	
		19.9.2005	113.725	10.00	
		21.9.2005	113.80	10.00	
		22.9.2005	113.80	10.00	
		27.9.2005	113.725	10.00	
		29.9.2005	113.725	10.00	
		5.10.2005	114.10	10.00	
		6.10.2005	113.975	10.00	
		11.10.2005	113.75	10.00	
		14.10.2005	113.725	10.00	
		23.10.2005	113.75	10.00	
		25.10.2005	113.75	10.00	
		31.10.2005	113.70	10.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

North Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Mahananda	Sonapurghat	20.6.2005	73.99	06.00	* Above D.L. & this year's highest level.
Warning Level		24.6.2005	75.05	06.00	
E.D.L.	76.38	29.6.2005	75.24	06.00	
D.L.	75.77	30.6.2005	75.50	06.00	
		1.7.2005	75.30	06.00	
		8.7.2005	75.605	06.00	
		9.7.2005	75.30	06.00	
		14.7.2005	75.35	06.00	
		17.7.2005	75.49	06.00	
		24.7.2005	75.10	06.00	
		26.7.2005	75.85*	06.00	
		28.7.2005	74.76	06.00	
		3.8.2005	74.51	06.00	
		4.8.2005	74.25	06.00	
		7.8.2005	74.76	06.00	
		14.8.2005	74.08	06.00	
		17.8.2005	74.18	06.00	
		20.8.2005	74.23	06.00	
		24.8.2005	74.94	06.00	
		26.8.2005	75.24	06.00	
		31.8.2005	74.50	06.00	
		6.9.2005	74.93	06.00	
		7.9.2005	74.50	06.00	
		8.9.2005	74.30	06.00	
		14.9.2005	73.28	06.00	
		15.9.2005	73.28	06.00	
		20.9.2005	73.28	06.00	
		23.9.2005	73.75	06.00	
		28.9.2005	74.135	06.00	
		30.9.2005	74.135	06.00	
		5.10.2005	75.25	06.00	
		6.10.2005	75.20	06.00	
		11.10.2005	74.05	06.00	
		27.10.2005	74.13	06.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

North Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Mahanamda	Jhawa	17.6.2005	27.08	06.00	* Above D.L. & this year's highest level.
Warning Level		21.6.2005	27.39	06.00	
E.D.L.	31.90	23.6.2005	28.08	06.00	
D.L.	31.40	24.6.2005	30.18	06.00	
		29.6.2005	28.72	06.00	
		30.6.2005	28.42	06.00	
		2.7.2005	28.18	06.00	
		10.7.2005	28.20	06.00	
		12.7.2005	29.04	06.00	
		15.7.2005	28.70	06.00	
		19.7.2005	30.71	06.00	
		22.7.2005	30.48	06.00	
		27.7.2005	29.78	06.00	
		28.7.2005	29.71	06.00	
		3.8.2005	28.73	06.00	
		4.8.2005	28.61	06.00	
		9.8.2005	31.00	06.00	
		16.8.2005	30.06	06.00	
		17.8.2005	31.14	06.00	
		18.8.2005	30.96	06.00	
		24.8.2005	30.52	06.00	
		25.8.2005	30.78	06.00	
		28.8.2005	31.43*	06.00	
		1.9.2005	30.99	06.00	
		6.9.2005	30.38	06.00	
		8.9.2005	30.47	06.00	
		14.9.2005	29.31	06.00	
		15.9.2005	29.18	06.00	
		20.9.2005	28.97	06.00	
		23.9.2005	29.22	06.00	
		25.9.2005	29.08	06.00	
		2.10.2005	28.55	06.00	
		5.10.2005	29.24	06.00	
		7.10.2005	30.05	06.00	
		12.10.2005	29.09	06.00	
		13.10.2005	28.97	06.00	
		14.10.2005	28.90	06.00	
		27.10.2005	29.08	06.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

North Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Mahananda	Dangraghat	17.6.2005	32.75	06.00	* above D.L. ** Above EDL *** Above E.DL. & this year's highest level.
Warning Level		22.6.2005	33.38	06.00	
E.D.L.	36.15	24.6.2005	35.04	06.00	
D.L.	35.65	29.6.2005	33.30	06.00	
		1.7.2005	33.22	06.00	
		3.7.2005	33.47	06.00	
		9.7.2005	33.21	06.00	
		12.7.2005	34.04	06.00	
		16.7.2005	36.96***	06.00	
		22.7.2005	35.35	06.00	
		27.7.2005	34.14	06.00	
		28.7.2005	34.14	06.00	
		3.8.2005	33.49	06.00	
		4.8.2005	33.44	06.00	
		9.8.2005	36.11*	06.00	
		11.8.2005	35.08	06.00	
		16.8.2005	36.07*	06.00	
		18.8.2005	35.47	06.00	
		24.8.2005	35.00	06.00	
		27.8.2005	36.18**	06.00	
		31.8.2005	35.14	06.00	
		1.9.2005	35.00	06.00	
		3.9.2005	34.49	06.00	
		8.9.2005	34.67	06.00	
		14.9.2005	33.87	06.00	
		15.9.2005	33.78	06.00	
		20.9.2005	33.50	06.00	
		21.9.2005	33.59	06.00	
		22.9.2005	33.79	06.00	
		27.9.2005	33.68	06.00	
		4.10.2005	33.71	06.00	
		5.10.2005	33.95	06.00	
		7.10.2005	34.57	06.00	
		12.10.2005	33.57	06.00	
		13.10.2005	33.55	06.00	
		14.10.2005	33.52	06.00	
		27.10.2005	33.68	06.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

North Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Mahananda	Englishbazar	2.7.2005	17.35	06.00	* This year's highest level.
Warning Level		5.7.2005	16.85	06.00	
E.D.L.	23.50	9.7.2005	16.36	06.00	
D.L.	22.75	13.7.2005	18.30	06.00	
		14.7.2005	18.80	06.00	
		20.7.2005	20.18	06.00	
		23.7.2005	20.60	06.00	
		27.7.2005	20.30	06.00	
		28.7.2005	20.08	06.00	
		3.8.2005	18.56	06.00	
		4.8.2005	18.28	06.00	
		8.8.2005	17.99	06.00	
		11.8.2005	18.64	06.00	
		16.8.2005	19.18	06.00	
		19.8.2005	19.25	06.00	
		24.8.2005	20.08	06.00	
		26.8.2005	20.18	06.00	
		31.8.2005	20.84*	06.00	
		1.9.2005	20.83	06.00	
		7.9.2005	19.84	06.00	
		8.9.2005	19.83	06.00	
		14.9.2005	18.86	06.00	
		15.9.2005	18.63	06.00	
		21.9.2005	17.60	06.00	
		22.9.2005	17.17	06.00	
		25.9.2005	18.09	06.00	
		2.10.2005	17.69	06.00	
		5.10.2005	18.20	06.00	
		6.10.2005	18.83	06.00	
		12.10.2005	19.93	06.00	
		14.10.2005	19.62	06.00	
		25.10.2005	18.65	06.00	
		27.10.2005	18.05	06.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

North Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Sui	Pazol	20.6.2005	24.18	06.00	* This year's highest level.
Warning Level		21.6.2005	24.15	06.00	
E.D.L.	28.00	24.6.2005	24.40	06.00	
D.L.	27.43	29.6.2005	25.20	06.00	
		30.6.2005	25.10	06.00	
		1.7.2005	25.28	06.00	
		11.7.2005	24.80	06.00	
		13.7.2005	25.10	06.00	
		14.7.2005	25.35	06.00	
		19.7.2005	26.40	06.00	
		21.7.2005	26.50	06.00	
		26.7.2005	25.80	06.00	
		28.7.2005	25.70	06.00	
		3.8.2005	25.12	06.00	
		4.8.2005	25.10	06.00	
		9.8.2005	24.95	06.00	
		16.8.2005	25.87	06.00	
		17.8.2005	24.92	06.00	
		18.8.2005	25.97	06.00	
		24.8.2005	26.40	06.00	
		27.8.2005	26.70*	06.00	
		31.8.2005	26.32	06.00	
		1.9.2005	26.25	06.00	
		6.9.2005	25.67	06.00	
		8.9.2005	25.75	06.00	
		14.9.2005	25.15	06.00	
		15.9.2005	25.10	06.00	
		20.9.2005	24.45	06.00	
		24.9.2005	24.62	06.00	
		28.9.2005	24.40	06.00	
		2.10.2005	24.25	06.00	
		5.10.2005	24.70	06.00	
		6.10.2005	25.10	06.00	
		8.10.2005	26.02	06.00	
		14.10.2005	25.20	06.00	
		24.10.2005	25.40	06.00	
		25.10.2005	25.30	06.00	
		27.10.2005	24.42	06.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

North Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Sui	Katchua	21.6.2005	21.00	06.00	* This year's highest level.
Warning Level		24.6.2005	21.30	06.00	
E.D.L.	26.98	28.6.2005	24.00	06.00	
D.L.	25.49	30.6.2005	23.40	06.00	
		6.7.2005	22.00	06.00	
		7.7.2005	21.85	06.00	
		11.7.2005	21.50	06.00	
		14.7.2005	21.85	06.00	
		20.7.2005	25.02*	06.00	
		21.7.2005	25.02*	06.00	
		27.7.2005	23.15	06.00	
		28.7.2005	22.92	06.00	
		3.8.2005	21.78	06.00	
		9.8.2005	21.50	06.00	
		10.8.2005	24.65	06.00	
		14.8.2005	21.87	06.00	
		16.8.2005	22.15	06.00	
		18.8.2005	22.25	06.00	
		24.8.2005	24.50	06.00	
		26.8.2005	24.40	06.00	
		29.8.2005	24.74	06.00	
		1.9.2005	24.55	06.00	
		6.9.2005	22.98	06.00	
		8.9.2005	23.12	06.00	
		14.9.2005	22.38	06.00	
		15.9.2005	22.25	06.00	
		20.9.2005	21.65	06.00	
		24.9.2005	22.24	06.00	
		27.9.2005	21.72	06.00	
		3.10.2005	21.55	06.00	
		5.10.2005	22.25	06.00	
		6.10.2005	22.65	06.00	
		10.10.2005	24.15	06.00	
		14.10.2005	22.60	06.00	
		24.10.2005	23.57	06.00	
		25.10.2005	23.50	06.00	
		27.10.2005	21.72	06.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

North Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Tangon	Radhikapur	20.6.2005	28.65	06.00	
Warning Level		21.6.2005	28.75	06.00	
E.D.L.	34.05	26.6.2005	31.25	06.00	
D.L.	33.45	29.6.2005	29.00	06.00	
		1.7.2005	28.95	06.00	
		6.7.2005	28.70	06.00	
		11.7.2005	28.50	06.00	
		13.7.2005	28.85	06.00	
		14.7.2005	29.50	06.00	
		18.7.2005	32.20	06.00	
		21.7.2005	30.35	06.00	
		27.7.2005	29.15	06.00	
		28.7.2005	29.10	06.00	
		3.8.2005	28.60	06.00	
		4.8.2005	28.50	06.00	
		10.8.2005	29.40	06.00	
		11.8.2005	29.15	06.00	
		17.8.2005	30.25	06.00	
		22.8.2005	29.95	06.00	
		24.8.2005	31.00	06.00	
		27.8.2005	31.30	06.00	
		31.8.2005	30.65	06.00	
		1.9.2005	30.60	06.00	
		5.9.2005	29.45	06.00	
		8.9.2005	29.95	06.00	
		14.9.2005	29.00	06.00	
		15.9.2005	28.95	06.00	
		20.9.2005	28.70	06.00	
		21.9.2005	29.15	06.00	
		23.9.2005	29.30	06.00	
		25.9.2005	29.06	06.00	
		2.10.2005	28.90	06.00	
		5.10.2005	32.20	06.00	
		7.10.2005	33.00*	06.00	
		11.10.2005	31.10	06.00	
		24.10.2005	30.45	06.00	
		25.10.2005	30.40	06.00	
		27.10.2005	29.25	06.00	

* This year's highest level.

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

North Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Tangon	Bansihari	27.6.2005	25.51	06.00	* Above D.L. **above EDL & this year's highest level.
Warning Level		29.6.2005	23.60	06.00	
E.D.L.	26.21	30.6.2005	22.75	06.00	
D.L.	25.60	2.7.2005	21.95	06.00	
		12.7.2005	21.55	06.00	
		13.7.2005	22.50	06.00	
		14.7.2005	23.36	06.00	
		19.7.2005	26.14*	06.00	
		21.7.2005	25.93*	06.00	
		23.7.2005	22.77	06.00	
		28.7.2005	22.85	06.00	
		2.8.2005	21.72	06.00	
		6.8.2005	21.68	06.00	
		10.8.2005	22.86	06.00	
		12.8.2005	22.83	06.00	
		17.8.2005	24.00	06.00	
		22.8.2005	24.07	06.00	
		24.8.2005	24.91	06.00	
		29.8.2005	25.32	06.00	
		31.8.2005	24.31	06.00	
		4.9.2005	22.62	06.00	
		7.9.2005	23.65	06.00	
		8.9.2005	24.05	06.00	
		14.9.2005	22.10	06.00	
		20.9.2005	21.76	06.00	
		21.9.2005	22.20	06.00	
		23.9.2005	23.49	06.00	
		25.9.2005	22.99	06.00	
		2.10.2005	22.10	06.00	
		5.10.2005	25.67*	06.00	
		9.10.2005	26.31**	06.00	
		12.10.2005	25.58	06.00	
		13.10.2005	24.70	06.00	
		23.10.2005	24.43	06.00	
		25.10.2005	24.25	06.00	
		31.10.2005	22.30	06.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

North Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Nagore	Makdampur	20.6.2005	27.25	06.00	* This year's highest level.
Warning Level		21.6.2005	24.47	06.00	
E.D.L.	31.86	24.6.2005	28.20	06.00	
D.L.	31.54	29.6.2005	30.45	06.00	
		30.6.2005	28.77	06.00	
		6.7.2005	28.41	06.00	
		7.7.2005	28.37	06.00	
		9.7.2005	28.24	06.00	
		14.7.2005	28.51	06.00	
		19.7.2005	30.57*	06.00	
		21.7.2005	30.27	06.00	
		27.7.2005	29.03	06.00	
		29.7.2005	29.93	06.00	
		3.8.2005	28.27	06.00	
		4.8.2005	28.20	06.00	
		9.8.2005	27.90	06.00	
		12.8.2005	29.57	06.00	
		17.8.2005	29.10	06.00	
		18.8.2005	29.10	06.00	
		22.8.2005	30.03	06.00	
		26.8.2005	30.53	06.00	
		31.8.2005	29.57	06.00	
		5.9.2005	28.55	06.00	
		7.9.2005	29.37	06.00	
		8.9.2005	29.43	06.00	
		14.9.2005	28.27	06.00	
		15.9.2005	28.17	06.00	
		21.9.2005	27.70	06.00	
		22.9.2005	27.83	06.00	
		24.9.2005	28.37	06.00	
		3.10.2005	27.93	06.00	
		5.10.2005	28.47	06.00	
		7.10.2005	29.32	06.00	
		9.10.2005	27.97	06.00	
		14.10.2005	28.63	06.00	
		24.10.2005	29.10	06.00	
		25.10.2005	29.00	06.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

North Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Kullick	Rly.Bridge	20.6.2005	26.05	06.00	* This year's highest level.
Warning Level		21.6.2005	26.07	06.00	
E.D.L.	32.69	24.6.2005	27.15	06.00	
D.L.	31.20	27.6.2005	30.00	06.00	
		30.6.2005	29.55	06.00	
		6.7.2005	27.20	06.00	
		11.7.2005	26.70	06.00	
		13.7.2005	27.10	06.00	
		14.7.2005	27.55	06.00	
		19.7.2005	30.70*	06.00	
		21.7.2005	30.15	06.00	
		27.7.2005	28.50	06.00	
		28.7.2005	28.15	06.00	
		3.8.2005	26.60	06.00	
		8.8.2005	26.48	06.00	
		10.8.2005	27.50	06.00	
		12.8.2005	28.35	06.00	
		14.8.2005	27.80	06.00	
		18.8.2005	28.40	06.00	
		23.8.2005	29.08	06.00	
		28.8.2005	29.65	06.00	
		31.8.2005	29.15	06.00	
		1.9.2005	29.10	06.00	
		4.9.2005	28.00	06.00	
		9.9.2005	28.80	06.00	
		14.9.2005	27.32	06.00	
		15.9.2005	27.20	06.00	
		20.9.2005	26.75	06.00	
		22.9.2005	27.78	06.00	
		26.9.2005	27.70	06.00	
		3.10.2005	26.90	06.00	
		5.10.2005	29.15	06.00	
		9.10.2005	30.30	06.00	
		12.10.2005	29.60	06.00	
		14.10.2005	28.62	06.00	
		24.10.2005	28.95	06.00	
		25.10.2005	28.85	06.00	
		27.10.2005	27.75	06.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

North Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Dauk	Chopra	20.6.2005	65.995	06.00	* Above D.L. & this year's highest level.
Warning Level		28.6.2005	67.13	06.00	
E.D.L.	70.07	29.6.2005	67.35	06.00	
D.L.	69.46	30.6.2005	67.35	06.00	
		4.7.2005	67.385	06.00	
		7.7.2005	67.31	06.00	
		13.7.2005	67.395	06.00	
		14.7.2005	68.10	06.00	
		20.7.2005	68.75	06.00	
		22.7.2005	68.63	06.00	
		26.7.2005	67.95	06.00	
		28.7.2005	67.73	06.00	
		3.8.2005	67.54	06.00	
		9.8.2005	69.85*	06.00	
		10.8.2005	66.55	06.00	
		11.8.2005	66.35	06.00	
		17.8.2005	67.47	06.00	
		20.8.2005	67.24	06.00	
		24.8.2005	68.86	06.00	
		26.8.2005	69.21	06.00	
		31.8.2005	68.60	06.00	
		1.9.2005	68.50	06.00	
		6.9.2005	69.35	06.00	
		8.9.2005	68.75	06.00	
		14.9.2005	66.35	06.00	
		15.9.2005	66.45	06.00	
		20.9.2005	66.25	06.00	
		22.9.2005	67.05	06.00	
		24.9.2005	66.60	06.00	
		30.9.2005	66.69	06.00	
		6.10.2005	69.12	06.00	
		10.10.2005	68.00	06.00	
		27.10.2005	66.62	06.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

North Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Gamari	Itahar	21.6.2005	24.00	06.00	* This year's highest level.
Warning Level		24.6.2005	24.16	06.00	
E.D.L.	27.41	28.6.2005	25.00	06.00	
D.L.	26.82	30.6.2005	24.88	06.00	
		4.7.2005	24.14	06.00	
		10.7.2005	23.98	06.00	
		13.7.2005	24.40	06.00	
		14.7.2005	24.75	06.00	
		18.7.2005	25.70*	06.00	
		21.7.2005	25.55	06.00	
		27.7.2005	24.98	06.00	
		28.7.2005	24.90	06.00	
		3.8.2005	24.30	06.00	
		4.8.2005	24.25	06.00	
		7.8.2005	24.00	06.00	
		11.8.2005	24.08	06.00	
		17.8.2005	24.50	06.00	
		18.8.2005	24.55	06.00	
		24.8.2005	25.38	06.00	
		27.8.2005	25.52	06.00	
		31.8.2005	25.32	06.00	
		4.9.2005	25.20	06.00	
		7.9.2005	25.30	06.00	
		8.9.2005	25.30	06.00	
		14.9.2005	24.92	06.00	
		15.9.2005	24.90	06.00	
		20.9.2005	24.50	06.00	
		25.9.2005	24.68	06.00	
		28.9.2005	24.42	06.00	
		1.10.2005	24.30	06.00	
		5.10.2005	25.25	06.00	
		7.10.2005	25.47	06.00	
		12.10.2005	24.92	06.00	
		24.10.2005	25.20	06.00	
		25.10.2005	24.58	06.00	
		31.10.2005	24.00	06.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

North Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Fulahar	Teljana(protected)	18.7.2005	25.29	06.00	* Above D.L. ** Above D.L. & this year's highest level.
Warning Level		19.7.2005	26.70	06.00	
E.D.L.	28.35	23.7.2005	26.63	06.00	
D.L.	27.43	25.7.2005	25.56	06.00	
		9.8.2005	26.79	06.00	
		10.8.2005	27.15	06.00	
		13.8.2005	26.82	06.00	
		17.8.2005	27.21	06.00	
		19.8.2005	26.89	06.00	
		21.8.2005	26.69	06.00	
		26.8.2005	27.29	06.00	
		30.8.2005	27.94**	06.00	
		1.9.2005	27.68*	06.00	
		6.9.2005	26.62	06.00	
		8.9.2005	26.63	06.00	
		11.9.2005	24.57	06.00	
		22.9.2005	23.95	06.00	

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Fulahar	Teljana(unprotected)	30.7.2005	23.02	06.00	* Above & at D.L. ** Above EDL *** Above EDL & this year's highest level.
Warning Level		10.8.2005	27.15*	06.00	
E.D.L.	27.43	13.8.2005	26.82*	06.00	
D.L.	26.82	17.8.2005	27.21*	06.00	
		19.8.2005	26.89*	06.00	
		21.8.2005	26.69	06.00	
		26.8.2005	27.29*	06.00	
		30.8.2005	27.94***	06.00	
		1.9.2005	27.68**	06.00	
		6.9.2005	26.62	06.00	
		8.9.2005	26.63	06.00	
		11.9.2005	24.57	06.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

North Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Punarbhaba	Gangarampur	26.6.2005	25.45	06.00	* Above D.L. ** Above EDL & this year's highest level.
Warning Level		29.6.2005	22.65	06.00	
E.D.L.	26.42	3.7.2005	22.35	06.00	
D.L.	25.82	4.7.2005	22.43	06.00	
		7.7.2005	22.35	06.00	
		12.7.2005	22.25	06.00	
		15.7.2005	23.45	06.00	
		19.7.2005	25.95*	06.00	
		21.7.2005	25.07	06.00	
		27.7.2005	22.85	06.00	
		28.7.2005	22.45	06.00	
		2.8.2005	21.95	06.00	
		9.8.2005	22.95	06.00	
		10.8.2005	23.07	06.00	
		11.8.2005	23.40	06.00	
		14.8.2005	24.30	06.00	
		19.8.2005	23.83	06.00	
		24.8.2005	25.23	06.00	
		25.8.2005	25.13	06.00	
		31.8.2005	24.05	06.00	
		1.9.2005	23.45	06.00	
		5.9.2005	22.60	06.00	
		8.9.2005	23.40	06.00	
		14.9.2005	22.40	06.00	
		15.9.2005	22.40	06.00	
		21.9.2005	22.25	06.00	
		25.9.2005	22.55	06.00	
		28.9.2005	23.75	06.00	
		29.9.2005	22.55	06.00	
		5.10.2005	25.80	06.00	
		8.10.2005	26.49**	06.00	
		12.10.2005	24.00	06.00	
		14.10.2005	23.15	06.00	
		24.10.2005	24.20	06.00	
		25.10.2005	23.90	06.00	
		28.10.2005	22.55	06.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

North Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Atrai	Balurghat	25.6.2005	21.36	06.00	* Above D.L. ** Above EDL & this year's highest level.
Warning Level		29.6.2005	18.60	06.00	
E.D.L.	23.75	3.7.2005	18.40	06.00	
D.L.	23.15	5.7.2005	18.64	06.00	
		12.7.2005	18.34	06.00	
		13.7.2005	18.42	06.00	
		14.7.2005	19.00	06.00	
		19.7.2005	22.50	06.00	
		21.7.2005	20.92	06.00	
		27.7.2005	18.84	06.00	
		28.7.2005	18.62	06.00	
		30.7.2005	18.34	06.00	
		8.8.2005	18.64	06.00	
		10.8.2005	19.54	06.00	
		11.8.2005	20.20	06.00	
		16.8.2005	20.88	06.00	
		18.8.2005	20.22	06.00	
		23.8.2005	21.62	06.00	
		25.8.2005	21.38	06.00	
		31.8.2005	19.70	06.00	
		5.9.2005	18.56	06.00	
		7.9.2005	19.34	06.00	
		8.9.2005	19.50	06.00	
		11.9.2005	18.74	06.00	
		21.9.2005	18.64	06.00	
		22.9.2005	19.30	06.00	
		25.9.2005	18.72	06.00	
		29.9.2005	18.74	06.00	
		4.10.2005	23.76**	06.00	
		6.10.2005	23.66*	06.00	
		12.10.2005	19.46	06.00	
		14.10.2005	18.98	06.00	
		23.10.2005	20.32	06.00	
		25.10.2005	19.80	06.00	
		28.10.2005	18.86	06.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

North Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Ganga	Allahabad	18.6.2005	71.06	06.00	* This year's highest level.
Warning Level		22.6.2005	71.17	06.00	
E.D.L.	87.98	25.6.2005	71.02	06.00	
D.L.	84.73	29.6.2005	71.24	06.00	
		30.6.2005	71.48	06.00	
		6.7.2005	78.94	06.00	
		9.7.2005	82.73*	06.00	
		13.7.2005	78.22	06.00	
		15.7.2005	77.81	06.00	
		20.7.2005	80.13	06.00	
		21.7.2005	79.84	06.00	
		27.7.2005	77.30	06.00	
		1.8.2005	77.08	06.00	
		2.8.2005	77.68	06.00	
		4.8.2005	77.81	06.00	
		9.8.2005	78.82	06.00	
		11.8.2005	78.23	06.00	
		17.8.2005	75.71	06.00	
		19.8.2005	75.36	06.00	
		24.8.2005	79.32	06.00	
		25.8.2005	79.42	06.00	
		31.8.2005	75.62	06.00	
		1.9.2005	75.38	06.00	
		7.9.2005	74.42	06.00	
		8.9.2005	74.39	06.00	
		10.9.2005	74.05	06.00	
		12.9.2005	74.56	06.00	
		16.9.2005	74.31	06.00	
		20.9.2005	75.67	06.00	
		22.9.2005	75.37	06.00	
		25.9.2005	76.69	06.00	
		2.10.2005	73.53	06.00	
		5.10.2005	77.00	06.00	
		6.10.2005	77.02	06.00	
		12.10.2005	74.89	06.00	
		13.10.2005	74.71	06.00	
		14.10.2005	74.56	06.00	
		27.10.2005	76.45	06.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

North Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Ganga	Benaras	16.6.2005	58.52	06.00	* This year's highest level.
Warning Level		22.6.2005	58.43	06.00	
E.D.L.	73.90	26.6.2005	58.49	06.00	
D.L.	71.26	28.6.2005	58.39	06.00	
		30.6.2005	58.47	06.00	
		6.7.2005	65.88	06.00	
		10.7.2005	70.45*	06.00	
		13.7.2005	67.09	06.00	
		15.7.2005	66.06	06.00	
		20.7.2005	68.04	06.00	
		21.7.2005	68.17	06.00	
		27.7.2005	65.70	06.00	
		28.7.2005	65.46	06.00	
		30.7.2005	65.16	06.00	
		2.8.2005	65.95	06.00	
		4.8.2005	65.61	06.00	
		10.8.2005	66.75	06.00	
		11.8.2005	66.52	06.00	
		17.8.2005	64.15	06.00	
		19.8.2005	63.70	06.00	
		24.8.2005	66.76	06.00	
		25.8.2005	67.83	06.00	
		31.8.2005	64.30	06.00	
		1.9.2005	63.92	06.00	
		5.9.2005	62.77	06.00	
		8.9.2005	63.72	06.00	
		14.9.2005	62.57	06.00	
		16.9.2005	62.45	06.00	
		21.9.2005	63.94	06.00	
		23.9.2005	63.67	06.00	
		27.9.2005	64.90	06.00	
		1.10.2005	64.24	06.00	
		5.10.2005	65.02	06.00	
		7.10.2005	65.19	06.00	
		12.10.2005	62.17	06.00	
		13.10.2005	62.07	06.00	
		14.10.2005	62.81	06.00	
		27.10.2005	64.90	06.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

North Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Ganga	Patna	16.6.2005	40.55	06.00	* Above D.L. & this year's highest level.
Warning Level		21.6.2005	40.83	06.00	
E.D.L.	49.20	24.6.2005	41.05	06.00	
D.L.	48.60	28.6.2005	41.46	06.00	
		30.6.2005	41.37	06.00	
		6.7.2005	45.31	06.00	
		7.7.2005	46.06	06.00	
		11.7.2005	48.02	06.00	
		15.7.2005	46.64	06.00	
		20.7.2005	47.34	06.00	
		22.7.2005	47.78	06.00	
		27.7.2005	46.96	06.00	
		28.7.2005	46.90	06.00	
		1.8.2005	46.73	06.00	
		5.8.2005	46.85	06.00	
		10.8.2005	47.84	06.00	
		11.8.2005	47.77	06.00	
		17.8.2005	46.65	06.00	
		18.8.2005	46.63	06.00	
		24.8.2005	47.79	06.00	
		27.8.2005	48.77*	06.00	
		31.8.2005	47.74	06.00	
		1.9.2005	47.44	06.00	
		5.9.2005	45.61	06.00	
		8.9.2005	46.21	06.00	
		14.9.2005	45.54	06.00	
		20.9.2005	45.26	06.00	
		21.9.2005	45.59	06.00	
		24.9.2005	46.25	06.00	
		26.9.2005	45.94	06.00	
		1.10.2005	46.82	06.00	
		5.10.2005	46.17	06.00	
		8.10.2005	46.02	06.00	
		12.10.2005	45.25	06.00	
		13.10.2005	44.98	06.00	
		14.10.2005	44.77	06.00	
		27.10.2005	45.94	06.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

North Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Ganga	Hatidah	16.6.2005	32.84	06.00	* This year's highest level.
Warning Level		22.6.2005	33.14	06.00	
E.D.L.	42.36	23.6.2005	33.22	06.00	
D.L.	41.76	29.6.2005	34.05	06.00	
		30.6.2005	34.07	06.00	
		1.7.2005	34.02	06.00	
		6.7.2005	37.84	06.00	
		7.7.2005	38.25	06.00	
		12.7.2005	40.76	06.00	
		14.7.2005	40.31	06.00	
		16.7.2005	39.23	06.00	
		23.7.2005	40.72	06.00	
		27.7.2005	40.02	06.00	
		28.7.2005	39.89	06.00	
		2.8.2005	39.55	06.00	
		6.8.2005	39.68	06.00	
		10.8.2005	40.65	06.00	
		11.8.2005	40.73	06.00	
		17.8.2005	39.67	06.00	
		19.8.2005	39.49	06.00	
		24.8.2005	40.50	06.00	
		28.8.2005	41.63*	06.00	
		31.8.2005	40.95	06.00	
		1.9.2005	40.67	06.00	
		7.9.2005	39.42	06.00	
		8.9.2005	39.30	06.00	
		14.9.2005	38.85	06.00	
		15.9.2005	38.66	06.00	
		16.9.2005	38.50	06.00	
		20.9.2005	38.17	06.00	
		22.9.2005	38.67	06.00	
		25.9.2005	39.21	06.00	
		2.10.2005	39.79	06.00	
		5.10.2005	39.37	06.00	
		6.10.2005	39.25	06.00	
		12.10.2005	38.82	06.00	
		13.10.2005	38.53	06.00	
		14.10.2005	38.29	06.00	
		27.10.2005	38.96	06.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

North Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Ganga	Munger	17.6.2005	29.58	06.00	* This year's highest level.
Warning Level		22.6.2005	29.78	06.00	
E.D.L.	39.93	23.6.2005	29.84	06.00	
D.L.	39.33	29.6.2005	29.96	06.00	
		2.7.2005	29.68	06.00	
		6.7.2005	33.56	06.00	
		7.7.2005	34.33	06.00	
		13.7.2005	37.28	06.00	
		14.7.2005	37.01	06.00	
		17.7.2005	36.17	06.00	
		23.7.2005	37.25	06.00	
		27.7.2005	36.59	06.00	
		28.7.2005	36.41	06.00	
		2.8.2005	36.03	06.00	
		6.8.2005	36.13	06.00	
		10.8.2005	37.09	06.00	
		11.8.2005	37.28	06.00	
		17.8.2005	36.17	06.00	
		19.8.2005	35.98	06.00	
		24.8.2005	36.84	06.00	
		28.8.2005	38.26*	06.00	
		31.8.2005	37.72	06.00	
		1.9.2005	37.38	06.00	
		7.9.2005	35.91	06.00	
		8.9.2005	35.79	06.00	
		14.9.2005	35.15	06.00	
		15.9.2005	34.98	06.00	
		20.9.2005	34.42	06.00	
		22.9.2005	34.80	06.00	
		25.9.2005	35.39	06.00	
		30.9.2005	35.43	06.00	
		2.10.2005	35.90	06.00	
		6.10.2005	35.35	06.00	
		12.10.2005	34.82	06.00	
		13.10.2005	34.56	06.00	
		14.10.2005	34.32	06.00	
		27.10.2005	35.17	06.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

North Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Ganga	Bhagalpur	18.6.2005	23.79	06.00	* This year's highest level.
Warning Level		22.6.2005	24.06	06.00	
E.D.L.	34.18	23.6.2005	24.12	06.00	
D.L.	33.68	29.6.2005	24.66	06.00	
		30.6.2005	24.78	06.00	
		6.7.2005	28.25	06.00	
		7.7.2005	29.07	06.00	
		13.7.2005	32.55	06.00	
		14.7.2005	32.43	06.00	
		17.7.2005	31.50	06.00	
		24.7.2005	32.61	06.00	
		27.7.2005	32.07	06.00	
		28.7.2005	31.88	06.00	
		3.8.2005	31.23	06.00	
		4.8.2005	31.25	06.00	
		10.8.2005	32.14	06.00	
		12.8.2005	32.61	06.00	
		17.8.2005	31.55	06.00	
		19.8.2005	31.32	06.00	
		24.8.2005	32.02	06.00	
		25.8.2005	32.48	06.00	
		28.8.2005	33.43*	06.00	
		1.9.2005	32.92	06.00	
		7.9.2005	31.44	06.00	
		8.9.2005	31.26	06.00	
		14.9.2005	30.56	06.00	
		15.9.2005	30.38	06.00	
		21.9.2005	29.64	06.00	
		22.9.2005	29.78	06.00	
		25.9.2005	30.47	06.00	
		3.10.2005	30.98	06.00	
		4.10.2005	30.31	06.00	
		6.10.2005	30.54	06.00	
		12.10.2005	29.96	06.00	
		13.10.2005	29.74	06.00	
		14.10.2005	29.50	06.00	
		27.10.2005	30.37	06.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

North Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Ganga	Kalagaon	16.6.2005	23.37	06.00	* Above D.L. ** Above EDL *** Above EDL & this year's highest level.
Warning Level		22.6.2005	23.72	06.00	
E.D.L.	31.69	23.6.2005	23.74	06.00	
D.L.	31.09	26.6.2005	24.70	06.00	
		30.6.2005	24.24	06.00	
		6.7.2005	26.88	06.00	
		7.7.2005	27.64	06.00	
		13.7.2005	31.20*	06.00	
		14.7.2005	31.14*	06.00	
		18.7.2005	30.29	06.00	
		21.7.2005	30.64	06.00	
		24.7.2005	31.25*	06.00	
		28.7.2005	30.59	06.00	
		3.8.2005	29.85	06.00	
		4.8.2005	29.90	06.00	
		10.8.2005	30.90	06.00	
		12.8.2005	31.41*	06.00	
		17.8.2005	30.42	06.00	
		19.8.2005	30.14	06.00	
		24.8.2005	30.85	06.00	
		25.8.2005	31.24*	06.00	
		30.8.2005	32.11***	06.00	
		1.9.2005	31.73**	06.00	
		7.9.2005	30.32	06.00	
		8.9.2005	30.18	06.00	
		14.9.2005	29.30	06.00	
		15.9.2005	29.13	06.00	
		21.9.2005	28.25	06.00	
		22.9.2005	28.34	06.00	
		27.9.2005	29.96	06.00	
		30.9.2005	28.99	06.00	
		2.10.2005	29.74	06.00	
		6.10.2005	29.15	06.00	
		12.10.2005	28.53	06.00	
		13.10.2005	28.53	06.00	
		14.10.2005	28.05	06.00	
		27.10.2005	29.96	06.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

North Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Ganga	Manikchakghat	24.6.2005	21.80	06.00	* Above D.L. ** Above D.L. & this year's highest level.
Warning Level		28.6.2005	22.00	06.00	
E.D.L.	25.54	30.6.2005	22.00	06.00	
D.L.	24.69	4.7.2005	21.80	06.00	
		7.7.2005	22.34	06.00	
		13.7.2005	24.30	06.00	
		14.7.2005	24.32	06.00	
		18.7.2005	23.44	06.00	
		21.7.2005	23.70	06.00	
		25.7.2005	24.26	06.00	
		28.7.2005	23.74	06.00	
		2.8.2005	23.28	06.00	
		6.8.2005	23.40	06.00	
		10.8.2005	24.06	06.00	
		12.8.2005	24.48	06.00	
		16.8.2005	23.96	06.00	
		21.8.2005	23.78	06.00	
		24.8.2005	24.10	06.00	
		25.8.2005	24.40	06.00	
		30.8.2005	25.20**	06.00	
		1.9.2005	25.03*	06.00	
		6.9.2005	23.74	06.00	
		8.9.2005	23.60	06.00	
		14.9.2005	23.26	06.00	
		15.9.2005	23.22	06.00	
		20.9.2005	22.56	06.00	
		24.9.2005	22.76	06.00	
		28.9.2005	22.66	06.00	
		29.9.2005	22.60	06.00	
		4.10.2005	22.96	06.00	
		6.10.2005	22.82	06.00	
		12.10.2005	22.28	06.00	
		14.10.2005	22.08	06.00	
		27.10.2005	22.74	06.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

North Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Ganga	Farakka	16.6.2005	14.06	06.00	*Above D.L. **Above EDL & this year's highest level.
Warning Level		22.6.2005	14.32	06.00	
E.D.L.	23.77	23.6.2005	14.72	06.00	
D.L.	22.25	26.6.2005	16.54	06.00	
		1.7.2005	15.68	06.00	
		6.7.2005	17.48	06.00	
		7.7.2005	18.47	06.00	
		13.7.2005	22.23	06.00	
		14.7.2005	22.31*	06.00	
		18.7.2005	21.76	06.00	
		21.7.2005	22.00	06.00	
		23.7.2005	24.33**	06.00	
		28.7.2005	22.12	06.00	
		3.8.2005	21.17	06.00	
		4.8.2005	21.12	06.00	
		10.8.2005	22.08	06.00	
		13.8.2005	22.57*	06.00	
		17.8.2005	22.04	06.00	
		19.8.2005	21.80	06.00	
		24.8.2005	22.06	06.00	
		25.8.2005	22.22	06.00	
		30.8.2005	23.43*	06.00	
		1.9.2005	23.37*	06.00	
		8.9.2005	21.80	06.00	
		14.9.2005	21.20	06.00	
		15.9.2005	21.04	06.00	
		21.9.2005	20.12	06.00	
		22.9.2005	20.19	06.00	
		27.9.2005	20.76	06.00	
		30.9.2005	20.59	06.00	
		4.10.2005	21.04	06.00	
		6.10.2005	20.94	06.00	
		12.10.2005	20.49	06.00	
		13.10.2005	20.49	06.00	
		14.10.2005	20.11	06.00	
		27.10.2005	20.16	06.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

North Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Ganga	Nurpur	19.6.2005	12.87	06.00	* Above D.L. ** Above EDL & This year's highest level.
Warning Level		22.6.2005	12.91	06.00	
E.D.L.	21.65	23.6.2005	13.27	06.00	
D.L.	21.03	26.6.2005	14.84	06.00	
		1.7.2005	14.30	06.00	
		6.7.2005	15.66	06.00	
		7.7.2005	16.54	06.00	
		13.7.2005	20.66	06.00	
		14.7.2005	20.83	06.00	
		18.7.2005	20.22	06.00	
		21.7.2005	20.47	06.00	
		25.7.2005	21.05*	06.00	
		28.7.2005	20.60	06.00	
		3.8.2005	19.66	06.00	
		5.8.2005	19.58	06.00	
		10.8.2005	20.39	06.00	
		13.8.2005	21.04*	06.00	
		17.8.2005	20.54	06.00	
		19.8.2005	20.31	06.00	
		24.8.2005	20.57	06.00	
		25.8.2005	20.73	06.00	
		31.8.2005	22.04	06.00	
		1.9.2005	21.97**	06.00	
		7.9.2005	20.43	06.00	
		8.9.2005	20.38	06.00	
		14.9.2005	19.77	06.00	
		15.9.2005	19.65	06.00	
		20.9.2005	18.85	06.00	
		22.9.2005	18.89	06.00	
		27.9.2005	19.38	06.00	
		30.9.2005	19.20	06.00	
		5.10.2005	19.65	06.00	
		6.10.2005	19.58	06.00	
		12.10.2005	19.16	06.00	
		13.10.2005	19.05	06.00	
		14.10.2005	18.86	06.00	
		27.10.2005	19.38	06.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

North Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Ganga	Geria	17.6.2005	12.38	06.00	* At EDL ** Above EDL & this year's highest level.
Warning Level		21.6.2005	12.36	06.00	
E.D.L.	21.55	23.6.2005	12.70	06.00	
D.L.	20.94	29.6.2005	14.29	06.00	
		1.7.2005	14.10	06.00	
		6.7.2005	15.25	06.00	
		7.7.2005	16.43	06.00	
		13.7.2005	20.43	06.00	
		14.7.2005	20.56	06.00	
		18.7.2005	19.91	06.00	
		21.7.2004	20.17	06.00	
		25.7.2005	20.73	06.00	
		28.7.2005	20.35	06.00	
		3.8.2005	19.35	06.00	
		4.8.2005	19.28	06.00	
		10.8.2005	20.04	06.00	
		13.8.2005	20.66	06.00	
		17.8.2005	20.14	06.00	
		19.8.2005	19.89	06.00	
		24.8.2005	20.15	06.00	
		25.8.2005	20.30	06.00	
		31.8.2005	21.61**	06.00	
		1.9.2005	21.55*	06.00	
		7.9.2005	19.90	06.00	
		8.9.2005	19.85	06.00	
		14.9.2005	19.14	06.00	
		15.9.2005	19.03	06.00	
		21.9.2005	18.00	06.00	
		22.9.2005	18.05	06.00	
		27.9.2005	18.64	06.00	
		30.9.2005	18.48	06.00	
		4.10.2005	18.95	06.00	
		6.10.2005	18.87	06.00	
		9.10.2005	18.55	06.00	
		14.10.2005	18.16	06.00	
		27.10.2005	18.64	06.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2005.

North Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Ganga	Chakghat	19.6.2005	11.89	06.00	* Above D.L. ** Above D.L. & this year's highest level.
Warning Level		21.6.2005	11.85	06.00	
E.D.L.	21.49	23.6.2005	12.25	06.00	
D.L.	20.88	29.6.2005	13.83	06.00	
		1.7.2005	13.66	06.00	
		6.7.2005	14.76	06.00	
		7.7.2005	15.96	06.00	
		13.7.2005	19.92	06.00	
		14.7.2005	20.04	06.00	
		18.7.2005	19.40	06.00	
		21.7.2005	19.66	06.00	
		25.7.2005	20.18	06.00	
		28.7.2005	19.80	06.00	
		3.8.2005	18.84	06.00	
		4.8.2005	18.77	06.00	
		10.8.2005	19.50	06.00	
		13.8.2005	20.12	06.00	
		17.8.2005	19.60	06.00	
		19.8.2005	19.35	06.00	
		24.8.2005	19.61	06.00	
		25.8.2005	19.76	06.00	
		31.8.2005	21.05**	06.00	
		1.9.2005	21.00*	06.00	
		7.9.2005	19.40	06.00	
		8.9.2005	19.35	06.00	
		14.9.2005	18.65	06.00	
		15.9.2005	18.55	06.00	
		21.9.2005	17.57	06.00	
		22.9.2005	17.60	06.00	
		27.9.2005	18.13	06.00	
		30.9.2005	17.98	06.00	
		4.10.2005	18.42	06.00	
		6.10.2005	18.35	06.00	
		9.10.2005	18.05	06.00	
		14.10.2005	17.65	06.00	
		27.10.2005	18.13	06.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

South Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Pagla	Bansloi	8.7.2005	27.60	6.00	* This year's highest level
Warning Level		10.7.2005	27.46	6.00	
E.D.L.	32.76	14.7.2005	27.75	6.00	
D.L.	31.85	15.7.2005	29.40*	6.00	
		21.7.2005	28.50	6.00	
		27.7.2005	27.58	6.00	
		28.7.2005	28.05	6.00	
		3.8.2005	27.28	6.00	
		4.8.2005	27.28	6.00	
		10.8.2005	28.57	6.00	
		11.8.2005	28.20	6.00	
		14.8.2005	27.43	6.00	
		19.8.2005	27.43	6.00	
		21.8.2005	28.50	6.00	
		25.8.2005	28.20	6.00	
		31.8.2005	27.20	6.00	
		1.9.2005	27.13	6.00	
		7.9.2005	26.98	6.00	
		8.9.2005	26.98	6.00	
		14.9.2005	26.98	6.00	
		17.9.2005	27.13	6.00	
		25.9.2005	27.51	6.00	
		27.9.2005	27.28	6.00	
		29.9.2005	27.20	6.00	
		30.9.2005	27.13	6.00	
		7.10.2005	27.85	6.00	
		11.10.2005	27.28	6.00	
		21.10.2005	27.89	6.00	
		23.10.2005	28.42	6.00	
		27.10.2005	27.28	6.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

South Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Brahmoni	<u>A.D.B. Road Bridge</u>	11.7.2005	27.54	6.00	* This year's highest level
Warning Level		13.7.2005	28.00	6.00	
E.D.L.	33.40	14.7.2005	28.15	6.00	
D.L.	33.00	15.7.2005	31.70*	6.00	
		21.7.2005	28.45	6.00	
		27.7.2005	27.77	6.00	
		29.7.2005	28.00	6.00	
		3.8.2005	27.46	6.00	
		4.8.2005	27.38	6.00	
		6.8.2005	27.85	6.00	
		13.8.2005	27.31	6.00	
		17.8.2005	27.61	6.00	
		23.8.2005	28.00	6.00	
		24.8.2005	27.35	6.00	
		25.8.2005	28.50	6.00	
		31.8.2005	27.46	6.00	
		1.9.2005	27.38	6.00	
		7.9.2005	26.93	6.00	
		8.9.2005	26.75	6.00	
		14.9.2005	27.16	6.00	
		15.9.2005	27.08	6.00	
		21.9.2005	26.74	6.00	
		25.9.2005	26.85	6.00	
		27.9.2005	27.38	6.00	
		29.9.2005	27.23	6.00	
		1.10.2005	27.08	6.00	
		8.10.2005	27.77	6.00	
		11.10.2005	27.54	6.00	
		21.10.2005	28.15	6.00	
		27.10.2005	27.38	6.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

South Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Dwarka	Sankoghat	10.6.2005	14.76	6.00	* Above D.L. & highest level of the year.
Warning Level		16.6.2005	14.76	6.00	
E.D.L.	21.30	18.6.2005	14.71	6.00	
D.L.	20.42	27.6.2005	15.30	6.00	
		29.6.2005	15.05	6.00	
		30.6.2005	15.19	6.00	
		6.7.2005	18.98	6.00	
		7.7.2005	19.65	6.00	
		11.7.2005	16.12	6.00	
		14.7.2005	18.59	6.00	
		16.7.2005	20.80*	6.00	
		21.7.2005	19.96	6.00	
		27.7.2005	18.02	6.00	
		29.7.2005	19.05	6.00	
		3.8.2005	16.41	6.00	
		5.8.2005	16.12	6.00	
		7.8.2005	18.06	6.00	
		13.8.2005	16.64	6.00	
		17.8.2005	18.48	6.00	
		19.8.2005	17.34	6.00	
		24.8.2005	18.10	6.00	
		26.8.2005	18.52	6.00	
		31.8.2005	16.10	6.00	
		3.9.2005	15.62	6.00	
		6.9.2005	16.01	6.00	
		8.9.2005	16.10	6.00	
		13.9.2005	17.02	6.00	
		15.9.2005	16.44	6.00	
		21.9.2005	16.21	6.00	
		23.9.2005	12.70	6.00	
		27.9.2005	17.20	6.00	
		3.10.2005	15.56	6.00	
		5.10.2005	18.02	6.00	
		6.10.2005	17.92	6.00	
		12.10.2005	15.46	6.00	
		27.10.2005	17.20	6.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

South Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Mayurakshi	Narayanpur	15.6.2005	23.325	6.00	* This year's highest level
Warning Level		20.6.2005	23.365	6.00	
E.D.L.	28.58	22.6.2005	23.305	6.00	
D.L.	27.98	23.6.2005	23.305	6.00	
		24.6.2005	23.505	6.00	
		30.6.2005	23.415	6.00	
		6.7.2005	25.005	6.00	
		7.7.2005	24.585	6.00	
		12.7.2005	23.505	6.00	
		16.7.2005	25.275*	6.00	
		18.7.2005	23.935	6.00	
		21.7.2005	24.235	6.00	
		27.7.2005	23.555	6.00	
		28.7.2005	24.665	6.00	
		3.8.2005	23.515	6.00	
		7.8.2005	23.585	6.00	
		9.8.2005	23.425	6.00	
		13.8.2005	23.40	6.00	
		17.8.2005	23.645	6.00	
		18.8.2005	23.595	6.00	
		22.8.2005	23.415	6.00	
		26.8.2005	24.455	6.00	
		30.8.2005	23.375	6.00	
		1.9.2005	23.405	6.00	
		7.9.2005	23.355	6.00	
		8.9.2005	23.355	6.00	
		12.9.2005	23.515	6.00	
		15.9.2005	23.403	6.00	
		21.9.2005	23.37	6.00	
		22.9.2005	23.365	6.00	
		28.9.2005	23.335	6.00	
		2.10.2005	23.325	6.00	
		5.10.2005	23.525	6.00	
		6.10.2005	23.465	6.00	
		12.10.2005	23.345	6.00	
		13.10.2005	23.345	6.00	
		14.10.2005	23.335	6.00	
		27.10.2005	23.345	6.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

South Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Ajoy	Sikatia	10.6.2005	162.26	6.00	* This year's highest level
Warning Level		13.6.2005	162.17	6.00	
E.D.L.	166.24	16.6.2005	162.17	6.00	
D.L.	165.64	22.6.2005	162.10	6.00	
		23.6.2005	162.13	6.00	
		27.6.2005	162.61	6.00	
		3.7.2005	162.75	6.00	
		6.7.2005	164.75*	6.00	
		7.7.2005	163.38	6.00	
		11.7.2005	162.76	6.00	
		16.7.2005	162.90	6.00	
		19.7.2005	163.90	6.00	
		24.7.2005	163.28	6.00	
		27.7.2005	162.69	6.00	
		28.7.2005	162.95	6.00	
		3.8.2005	162.53	6.00	
		5.8.2005	162.49	6.00	
		8.8.2005	163.04	6.00	
		12.8.2005	162.58	6.00	
		15.8.2005	163.14	6.00	
		19.8.2005	162.65	6.00	
		23.8.2005	163.04	6.00	
		25.8.2005	162.89	6.00	
		31.8.2005	162.55	6.00	
		6.9.2005	162.46	6.00	
		7.9.2005	162.65	6.00	
		11.9.2005	162.55	6.00	
		12.9.2005	162.80	6.00	
		15.9.2005	162.99	6.00	
		21.9.2005	162.70	6.00	
		22.9.2005	162.65	6.00	
		28.9.2005	162.51	6.00	
		1.10.2005	162.45	6.00	
		4.10.2005	162.68	6.00	
		10.10.2005	162.53	6.00	
		12.10.2005	162.85	6.00	
		13.10.2005	162.70	6.00	
		24.10.2005	162.77	6.00	
		26.10.2005	162.78	6.00	
		27.10.2005	162.53	6.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

South Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Ajoy	Katwa	20.6.2005	9.45	6.00	* This year's highest level
Warning Level		21.6.2005	9.46	6.00	
E.D.L.	15.09	23.6.2005	9.47	6.00	
D.L.	14.48	29.6.2005	9.98	6.00	
		30.6.2005	10.08	6.00	
		5.7.2005	11.55	6.00	
		8.7.2005	12.80	6.00	
		13.7.2005	11.25	6.00	
		14.7.2005	11.70	6.00	
		17.7.2005	12.73	6.00	
		21.7.2005	13.00*	6.00	
		27.7.2005	12.44	6.00	
		30.7.2005	12.31	6.00	
		3.8.2005	11.65	6.00	
		4.8.2005	11.55	6.00	
		9.8.2005	11.42	6.00	
		15.8.2005	11.40	6.00	
		17.8.2005	11.73	6.00	
		18.8.2005	11.85	6.00	
		22.8.2005	11.50	6.00	
		25.8.2005	12.00	6.00	
		31.8.2005	11.70	6.00	
		1.9.2005	11.60	6.00	
		7.9.2005	11.05	6.00	
		8.9.2005	11.00	6.00	
		14.9.2005	10.66	6.00	
		15.9.2005	10.62	6.00	
		21.9.2005	10.50	6.00	
		21.10.2005	11.00	6.00	
		24.10.2005	12.72	6.00	
		25.10.2005	12.61	6.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

South Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Ajoy	Gheropara	10.6.2005	35.41	6.00	* This year's highest level
Warning Level		13.6.2005	35.50	6.00	
E.D.L.	40.46	16.6.2005	35.42	6.00	
D.L.	39.41	22.6.2005	35.28	6.00	
		23.6.2005	35.28	6.00	
		28.6.2005	36.20	6.00	
		1.7.2005	35.90	6.00	
		2.7.2005	36.52	6.00	
		7.7.2005	38.04*	6.00	
		12.7.2005	36.05	6.00	
		16.7.2005	37.80	6.00	
		19.7.2005	36.45	6.00	
		21.7.2005	37.46	6.00	
		27.7.2005	36.32	6.00	
		29.7.2005	36.65	6.00	
		2.8.2005	36.31	6.00	
		7.8.2005	36.10	6.00	
		10.8.2005	36.40	6.00	
		15.8.2005	35.90	6.00	
		17.8.2005	36.43	6.00	
		21.8.2005	36.10	6.00	
		24.8.2005	36.70	6.00	
		25.8.2005	36.55	6.00	
		30.8.2005	36.00	6.00	
		1.9.2005	36.01	6.00	
		6.9.2005	35.70	6.00	
		8.9.2005	35.75	6.00	
		14.9.2005	36.18	6.00	
		17.9.2005	36.46	6.00	
		20.9.2005	36.11	6.00	
		22.9.2005	36.22	6.00	
		25.9.2005	35.19	6.00	
		29.9.2005	35.81	6.00	
		1.10.2005	35.70	6.00	
		6.10.2005	35.88	6.00	
		12.10.2005	35.64	6.00	
		13.10.2005	35.62	6.00	
		23.10.2005	37.23	6.00	
		25.10.2005	35.56	6.00	
		26.10.2005	36.43	6.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

South Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Ajoy	Budra	20.6.2005	35.08	6.00	* This year's highest level
Warning Level		22.6.2005	35.05	6.00	
E.D.L.	40.10	24.6.2005	35.05	6.00	
D.L.	39.49	27.6.2005	36.30	6.00	
		1.7.2005	36.00	6.00	
		2.7.2005	36.73	6.00	
		8.7.2005	37.25	6.00	
		12.7.2005	36.06	6.00	
		16.7.2005	37.89*	6.00	
		19.7.2005	36.58	6.00	
		21.7.2005	37.49	6.00	
		27.7.2005	36.43	6.00	
		29.7.2005	36.72	6.00	
		2.8.2005	36.43	6.00	
		8.8.2005	36.22	6.00	
		10.8.2005	36.52	6.00	
		14.8.2005	35.94	6.00	
		17.8.2005	36.55	6.00	
		20.8.2005	36.16	6.00	
		23.8.2005	36.52	6.00	
		25.8.2005	36.61	6.00	
		31.8.2005	36.09	6.00	
		1.9.2005	36.06	6.00	
		7.9.2005	35.85	6.00	
		13.9.2005	35.88	6.00	
		14.9.2005	36.25	6.00	
		17.9.2005	36.52	6.00	
		20.9.2005	36.19	6.00	
		22.9.2005	36.22	6.00	
		27.9.2005	35.88	6.00	
		2.10.2005	35.79	6.00	
		5.10.2005	35.88	6.00	
		6.10.2005	36.00	6.00	
		12.10.2005	35.76	6.00	
		21.10.2005	36.83	6.00	
		24.10.2005	36.93	6.00	
		25.10.2005	36.76	6.00	
		27.10.2005	35.88	6.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

South Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Damodar	Randia	21.6.2005	48.006	6.00	* This year's highest level
Warning Level		22.6.2005	47.85	6.00	
E.D.L.	53.49	23.6.2005	47.853	6.00	
D.L.	52.88	29.6.2005	48.249	6.00	
		30.6.2005	48.693	6.00	
		5.7.2005	48.158	6.00	
		8.7.2005	48.828	6.00	
		12.7.2005	48.158	6.00	
		14.7.2005	48.707	6.00	
		17.7.2005	50.078	6.00	
		21.7.2005	50.109	6.00	
		26.7.2005	49.377	6.00	
		29.7.2005	50.078	6.00	
		2.8.2005	50.048	6.00	
		8.8.2005	50.17*	6.00	
		10.8.2005	50.048	6.00	
		12.8.2005	50.109	6.00	
		17.8.2005	49.316	6.00	
		22.8.2005	50.078	6.00	
		23.8.2005	50.139	6.00	
		25.8.2005	50.139	6.00	
		31.8.2005	50.109	6.00	
		1.9.2005	49.377	6.00	
		2.9.2005	49.987	6.00	
		9.9.2005	49.987	6.00	
		14.9.2005	49.987	6.00	
		15.9.2005	49.987	6.00	
		22.9.2005	49.987	6.00	
		23.9.2005	49.987	6.00	
		1.10.2005	49.987	6.00	
		6.10.2005	49.98	6.00	
		10.10.2005	49.987	6.00	
		21.10.2005	49.987	6.00	
		24.10.2005	49.865	6.00	
		27.10.2005	49.987	6.00	
		28.10.2005	48.77	6.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

South Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Damodar	Edilpur	16.6.2005	28.16	6.00	* This year's highest level
Warning Level		22.6.2005	28.21	6.00	
E.D.L.	32.94	24.6.2005	28.15	6.00	
D.L.	32.79	29.6.2005	28.39	6.00	
		30.6.2005	28.48	6.00	
		5.7.2005	28.88	6.00	
		8.7.2005	29.28	6.00	
		12.7.2005	29.19	6.00	
		14.7.2005	29.28	6.00	
		18.7.2005	30.92*	6.00	
		25.7.2005	29.83	6.00	
		27.7.2005	29.46	6.00	
		30.7.2005	29.52	6.00	
		2.8.2005	29.43	6.00	
		4.8.2005	29.46	6.00	
		10.8.2005	29.92	6.00	
		11.8.2005	29.80	6.00	
		13.8.2005	29.89	6.00	
		19.8.2005	29.77	6.00	
		20.8.2005	29.89	6.00	
		25.8.2005	29.83	6.00	
		28.8.2005	30.44	6.00	
		2.9.2005	29.43	6.00	
		7.9.2005	29.22	6.00	
		10.9.2005	29.22	6.00	
		13.9.2005	29.16	6.00	
		16.9.2005	29.34	6.00	
		21.9.2005	29.16	6.00	
		22.9.2005	29.16	6.00	
		28.9.2005	29.07	6.00	
		1.10.2005	29.04	6.00	
		3.10.2005	29.10	6.00	
		21.10.2005	29.95	6.00	
		24.10.2005	30.43	6.00	
		25.10.2005	30.40	6.00	
		27.10.2005	29.10	6.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

South Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Damodar	Jamalpur	17.6.2005	16.68	6.00	* This year's highest level
Warning Level		23.6.2005	16.68	6.00	
E.D.L.	23.53	24.6.2005	16.68	6.00	
D.L.	23.23	30.6.2005	16.68	6.00	
		4.7.2005	16.74	6.00	
		8.7.2005	17.25	6.00	
		11.7.2005	16.75	6.00	
		14.7.2005	16.80	6.00	
		17.7.2005	18.98	6.00	
		22.7.2005	18.54	6.00	
		27.7.2005	17.28	6.00	
		1.8.2005	17.04	6.00	
		3.8.2005	17.60	6.00	
		6.8.2005	16.13	6.00	
		10.8.2005	19.48	6.00	
		12.8.2005	20.08*	6.00	
		16.8.2005	17.10	6.00	
		19.8.2005	16.95	6.00	
		20.8.2005	17.28	6.00	
		25.8.2005	16.83	6.00	
		27.8.2005	17.43	6.00	
		2.9.2005	17.07	6.00	
		7.9.2005	16.68	6.00	
		9.9.2005	16.68	6.00	
		14.9.2005	16.68	6.00	
		15.9.2005	16.68	6.00	
		22.9.2005	16.68	6.00	
		28.9.2005	16.68	6.00	
		1.10.2005	16.68	6.00	
		6.10.2005	16.68	6.00	
		21.10.2005	17.97	6.00	
		24.10.2005	18.27	6.00	
		25.10.2005	17.97	6.00	
		28.10.2005	16.98	6.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

South Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Damodar	Amta	13.7.2005	2.80	6.00	
Warning Level		17.7.2005	3.40	6.00	
E.D.L.	6.24	18.7.2005	4.75	6.00	
D.L.	5.64	21.7.2005	3.45	6.00	
		25.7.2005	4.65	6.00	
		31.7.2005	3.68	6.00	
		2.8.2005	3.00	6.00	
		6.8.2005	2.96	6.00	
		10.8.2005	3.48	6.00	
		11.8.2005	3.45	6.00	
		16.8.2005	2.98	6.00	
		19.8.2005	2.80	6.00	
		21.8.2005	3.25	6.00	
		25.8.2005	2.90	6.00	
		27.8.2005	3.40	6.00	
		1.9.2005	2.98	6.00	
		7.9.2005	2.85	6.00	
		8.9.2005	2.85	6.00	
		14.9.2005	2.85	6.00	
		15.9.2005	2.85	6.00	
		18.9.2005	2.95	6.00	
		22.9.2005	2.85	6.00	
		23.9.2005	2.82	6.00	
		29.9.2005	2.82	6.00	
		6.10.2005	2.82	6.00	
		11.10.2005	2.82	6.00	
		13.10.2005	2.82	6.00	
		24.10.2005	5.29*	6.00	
		25.10.2005	5.15	6.00	
		27.10.2005	2.82	6.00	

*This year's highest level.

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

South Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Damodar	Champadanga	16.6.2005	8.93	6.00	*This year's highest level.
Warning Level		20.6.2005	8.78	6.00	
E.D.L.	13.49	23.6.2005	8.81	6.00	
D.L.	12.89	29.6.2005	8.84	6.00	
		30.6.2005	8.90	6.00	
		4.7.2005	9.08	6.00	
		7.7.2005	9.14	6.00	
		9.7.2005	9.66	6.00	
		14.7.2005	9.17	6.00	
		18.7.2005	11.43*	6.00	
		23.7.2005	11.09	6.00	
		27.7.2005	10.18	6.00	
		30.7.2005	10.42	6.00	
		3.8.2005	9.66	6.00	
		5.8.2005	9.29	6.00	
		10.8.2005	9.93	6.00	
		11.8.2005	9.72	6.00	
		16.8.2005	9.36	6.00	
		19.8.2005	9.08	6.00	
		21.8.2005	9.42	6.00	
		27.8.2005	9.60	6.00	
		30.8.2005	9.20	6.00	
		1.9.2005	9.26	6.00	
		7.9.2005	8.96	6.00	
		8.9.2005	8.90	6.00	
		14.9.2005	8.81	6.00	
		15.9.2005	8.81	6.00	
		17.9.2005	9.14	6.00	
		22.9.2005	8.84	6.00	
		24.9.2005	8.81	6.00	
		29.9.2005	8.81	6.00	
		4.10.2005	8.78	6.00	
		6.10.2005	8.81	6.00	
		10.10.2005	8.76	6.00	
		13.10.2005	8.78	6.00	
		22.10.2005	10.70	6.00	
		25.10.2005	10.45	6.00	
		27.10.2005	8.81	6.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

South Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Mundeswari	Harinkhola	10.6.2005	6.30	6.00	
Warning Level		15.6.2005	6.77	6.00	
E.D.L.	12.80	18.6.2005	7.06	6.00	
D.L.	12.19	22.6.2005	6.44	6.00	
		26.6.2005	6.42	6.00	
		28.6.2005	6.46	6.00	
		30.6.2005	6.44	6.00	
		4.7.2005	6.88	6.00	
		9.7.2005	7.40	6.00	
		13.7.2005	6.54	6.00	
		14.7.2005	6.62	6.00	
		18.7.2005	9.17	6.00	
		25.7.2005	9.01	6.00	
		27.7.2005	7.89	6.00	
		28.7.2005	7.23	6.00	
		30.7.2005	8.22	6.00	
		4.8.2005	7.26	6.00	
		9.8.2005	7.72	6.00	
		11.8.2005	7.62	6.00	
		16.8.2005	7.31	6.00	
		19.8.2005	7.11	6.00	
		21.8.2005	7.56	6.00	
		25.8.2005	7.25	6.00	
		27.8.2005	7.74	6.00	
		1.9.2005	7.23	6.00	
		7.9.2005	6.38	6.00	
		9.9.2005	6.36	6.00	
		12.9.2005	6.57	6.00	
		15.9.2005	6.48	6.00	
		18.9.2005	7.08	6.00	
		22.9.2005	6.75	6.00	
		28.9.2005	6.40	6.00	
		3.10.2005	6.33	6.00	
		5.10.2005	6.50	6.00	
		6.10.2005	6.57	6.00	
		11.10.2005	6.30	6.00	
		14.10.2005	6.28	6.00	
		24.10.2005	9.30*	6.00	
		25.10.2005	9.00	6.00	
		27.10.2005	6.45	6.00	
					*This year's highest level.

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

South Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Dwarakeswar	Arambag	15.6.2005	11.43	6.00	*This year's highest level.
Warning Level		16.6.2005	11.43	6.00	
E.D.L.	17.83	23.6.2005	11.43	6.00	
D.L.	17.22	30.6.2005	11.43	6.00	
		6.7.2005	11.61	6.00	
		7.7.2005	11.64	6.00	
		11.7.2005	11.58	6.00	
		18.7.2005	11.67	6.00	
		19.7.2005	11.58	6.00	
		22.7.2005	11.58	6.00	
		27.7.2005	11.58	6.00	
		31.7.2005	11.73	6.00	
		5.8.2005	12.03	6.00	
		9.8.2005	11.58	6.00	
		11.8.2005	11.58	6.00	
		16.8.2005	11.67	6.00	
		18.8.2005	11.61	6.00	
		19.8.2005	11.58	6.00	
		25.8.2005	11.58	6.00	
		30.8.2005	11.58	6.00	
		1.9.2005	11.58	6.00	
		7.9.2005	11.58	6.00	
		12.9.2005	11.58	6.00	
		14.9.2005	11.68	6.00	
		15.9.2005	11.73	6.00	
		21.9.2005	11.58	6.00	
		30.9.2005	11.58	6.00	
		6.10.2005	11.58	6.00	
		12.10.2005	11.58	6.00	
		23.10.2005	13.35*	6.00	
		26.10.2005	11.74	6.00	
		27.10.2005	11.58	6.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

South Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Silabati	Gadghat	1.7.2005	3.29	6.00	
Warning Level		5.7.2005	2.50	6.00	
E.D.L.	9.60	8.7.2005	4.05	6.00	
D.L.	9.00	13.7.2005	2.68	6.00	
		17.7.2005	4.17	6.00	
		20.7.2005	2.59	6.00	
		21.7.2005	2.62	6.00	
		25.7.2005	4.54	6.00	
		28.7.2005	5.03	6.00	
		31.7.2005	5.45	6.00	
		6.8.2005	6.85	6.00	
		10.8.2005	5.18	6.00	
		14.8.2005	3.29	6.00	
		16.8.2005	4.69	6.00	
		20.8.2005	3.99	6.00	
		22.8.2005	5.74	6.00	
		29.8.2005	4.78	6.00	
		31.8.2005	3.41	6.00	
		1.9.2005	3.02	6.00	
		4.9.2005	2.56	6.00	
		10.9.2005	2.53	6.00	
		14.9.2005	4.97	6.00	
		15.9.2005	6.11	6.00	
		17.9.2005	6.79	6.00	
		22.9.2005	6.37	6.00	
		28.9.2005	3.45	6.00	
		1.10.2005	2.56	6.00	
		4.10.2005	4.51	6.00	
		6.10.2005	4.45	6.00	
		12.10.2005	3.23	6.00	
		14.10.2005	3.89	6.00	
		23.10.2005	7.50	6.00	
		25.10.2005	8.17*	6.00	
		27.10.2005	3.65	6.00	

*This year's
highest level.

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

South Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Silabati	Banka	1.7.2005	11.80	6.00	* Above D.L. & this year's highest level.
Warning Level		4.7.2005	11.50	6.00	
E.D.L.	15.68	7.7.2005	11.62	6.00	
D.L.	15.08	13.7.2005	11.35	6.00	
		16.7.2005	12.14	6.00	
		20.7.2005	11.35	6.00	
		22.7.2005	11.92	6.00	
		26.7.2005	11.41	6.00	
		2.8.2005	11.89	6.00	
		3.8.2005	13.36	6.00	
		4.8.2005	14.42	6.00	
		10.8.2005	11.68	6.00	
		13.8.2005	11.50	6.00	
		16.8.2005	11.99	6.00	
		20.8.2005	12.08	6.00	
		24.8.2005	11.62	6.00	
		26.8.2005	12.11	6.00	
		31.8.2005	11.56	6.00	
		1.9.2005	11.44	6.00	
		6.9.2005	11.32	6.00	
		10.9.2005	11.38	6.00	
		14.9.2005	12.63	6.00	
		15.9.2005	14.09	6.00	
		18.9.2005	12.00	6.00	
		22.9.2005	12.32	6.00	
		28.9.2005	11.59	6.00	
		30.9.2005	11.44	6.00	
		4.10.2005	12.14	6.00	
		6.10.2005	11.96	6.00	
		11.10.2005	11.65	6.00	
		14.10.2005	11.77	6.00	
		23.10.2005	15.25*	6.00	
		25.10.2005	13.42	6.00	
		27.10.2005	11.65	6.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

South Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Kangsabati	Mohanpur	10.6.2005	24.00	6.00	
Warning Level		13.6.2005	23.98	6.00	
E.D.L.	25.72	17.6.2005	24.00	6.00	
D.L.	24.72	22.6.2005	23.93	6.00	
		24.6.2005	22.44	6.00	
		27.6.2005	23.52	6.00	
		1.7.2005	23.36	6.00	
		6.7.2005	23.86	6.00	
		7.7.2005	24.34	6.00	
		12.7.2005	23.62	6.00	
		16.7.2005	24.40	6.00	
		19.7.2005	22.98	6.00	
		22.7.2005	24.45	6.00	
		26.7.2005	24.24	6.00	
		29.7.2005	24.72*	6.00	
		3.8.2005	24.52	6.00	
		4.8.2005	25.26**	6.00	
		9.8.2005	24.34	6.00	
		14.8.2005	24.12	6.00	
		16.8.2005	24.40	6.00	
		19.8.2005	24.28	6.00	
		21.8.2005	25.28***	6.00	
		26.8.2005	24.70	6.00	
		31.8.2005	24.34	6.00	
		5.9.2005	24.14	6.00	
		7.9.2005	24.36	6.00	
		8.9.2005	24.36	6.00	
		14.9.2005	25.00**	6.00	
		15.9.2005	25.20**	6.00	
		21.9.2005	24.76**	6.00	
		22.9.2005	24.72*	6.00	
		28.9.2005	24.50	6.00	
		29.9.2005	24.48	6.00	
		5.10.2005	24.64	6.00	
		7.10.2005	24.60	6.00	
		12.10.2005	24.66	6.00	
		14.10.2005	24.60	6.00	
		24.10.2005	25.18**	6.00	
		25.10.2005	24.98**	6.00	
		27.10.2005	24.60	6.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

South Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Kangsabati	Kalmijore	7.7.2005	5.03	6.00	
Warning Level		9.7.2005	5.79	6.00	
E.D.L.	9.90	14.7.2005	5.58	6.00	
D.L.	9.29	17.7.2005	5.94	6.00	
		21.7.2005	5.54	6.00	
		23.7.2005	5.88	6.00	
		30.7.2005	6.55	6.00	
		3.8.2005	6.12	6.00	
		5.8.2005	7.71	6.00	
		10.8.2005	5.82	6.00	
		11.8.2005	5.82	6.00	
		14.8.2005	5.03	6.00	
		20.8.2005	5.73	6.00	
		22.8.2005	7.71	6.00	
		25.8.2005	6.40	6.00	
		31.8.2005	5.79	6.00	
		1.9.2005	5.73	6.00	
		5.9.2005	5.45	6.00	
		11.9.2005	5.06	6.00	
		14.9.2005	6.03	6.00	
		16.9.2005	7.80	6.00	
		21.9.2005	6.86	6.00	
		23.9.2005	6.18	6.00	
		28.9.2005	5.58	6.00	
		1.10.2005	5.48	6.00	
		3.10.2005	6.45	6.00	
		6.10.2005	5.94	6.00	
		12.10.2005	5.68	6.00	
		14.10.2005	5.88	6.00	
		24.10.2005	8.32	6.00	
		25.10.2005	8.38*	6.00	
		27.10.2005	5.64	6.00	

* This year's
highest level

DURING FLOOD SEASON OF 2005.

South Bengal Rivers

[illegible]

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

South Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Kaliaghai	Amgachia	14.6.2005	3.50	6.00	*Above D.L. ** Above EDL *** Above EDL & this year's highest level.
Warning Level		16.6.2005	3.50	6.00	
E.D.L.	6.40	21.6.2005	3.35	6.00	
D.L.	5.79	24.6.2005	3.50	6.00	
		29.6.2005	3.81	6.00	
		30.6.2005	3.99	6.00	
		5.7.2005	4.72	6.00	
		7.7.2005	4.72	6.00	
		10.7.2005	4.93	6.00	
		14.7.2005	4.20	6.00	
		16.7.2005	4.87	6.00	
		21.7.2005	4.69	6.00	
		27.7.2005	4.87	6.00	
		29.7.2005	4.93	6.00	
		3.8.2005	5.45	6.00	
		6.8.2005	5.88*	6.00	
		10.8.2005	5.36	6.00	
		11.8.2005	5.24	6.00	
		15.8.2005	5.02	6.00	
		19.8.2005	5.12	6.00	
		24.8.2005	5.91*	6.00	
		27.8.2005	6.00*	6.00	
		31.8.2005	5.51	6.00	
		1.9.2005	5.27	6.00	
		7.9.2005	4.72	6.00	
		8.9.2005	4.57	6.00	
		14.9.2005	6.28*	6.00	
		16.9.2005	7.49**	6.00	
		21.9.2005	6.70**	6.00	
		22.9.2005	6.49**	6.00	
		28.9.2005	5.24	6.00	
		29.9.2005	5.09	6.00	
		1.10.2005	4.78	6.00	
		6.10.2005	4.78	6.00	
		12.10.2005	4.51	6.00	
		13.10.2005	4.51	6.00	
		24.10.2005	7.55***	6.00	
		25.10.2005	7.46**	6.00	
		27.10.2005	5.45	6.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

South Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Jalangi	Swarupganj	15.6.2005	5.37	6.00	*This year's highest level.
Warning Level		17.6.2005	5.36	6.00	
E.D.L.	9.05	22.6.2005	5.40	6.00	
D.L.	8.44	23.6.2005	5.46	6.00	
		29.6.2005	5.87	6.00	
		30.6.2005	5.92	6.00	
		6.7.2005	6.71	6.00	
		9.7.2005	7.45	6.00	
		13.7.2005	6.77	6.00	
		14.7.2005	6.84	6.00	
		19.7.2005	8.04	6.00	
		21.7.2005	8.11	6.00	
		25.7.2005	8.42*	6.00	
		28.7.2005	8.32	6.00	
		3.8.2005	7.74	6.00	
		4.8.2005	7.59	6.00	
		7.8.2005	7.29	6.00	
		11.8.2005	7.35	6.00	
		17.8.2005	7.72	6.00	
		19.8.2005	7.82	6.00	
		23.8.2005	7.70	6.00	
		25.8.2005	7.81	6.00	
		30.8.2005	8.06	6.00	
		1.9.2005	7.97	6.00	
		7.9.2005	7.54	6.00	
		8.9.2005	7.47	6.00	
		14.9.2005	7.01	6.00	
		15.9.2005	6.96	6.00	
		21.9.2005	6.80	6.00	
		22.9.2005	6.75	6.00	
		28.9.2005	6.65	6.00	
		2.10.2005	6.40	6.00	
		5.10.2005	6.74	6.00	
		7.10.2005	7.11	6.00	
		12.10.2005	6.54	6.00	
		13.10.2005	6.45	6.00	
		14.10.2005	6.36	6.00	
		27.10.2005	6.69	6.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

South Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Churni	Hanskhali	16.6.2005	2.58	6.00	* This year's highest level
Warning Level		22.6.2005	3.25	6.00	
E.D.L.	8.14	24.6.2005	3.30	6.00	
D.L.	7.53	28.6.2005	3.16	6.00	
		2.7.2005	3.12	6.00	
		6.7.2005	3.84	6.00	
		7.7.2005	3.90	6.00	
		10.7.2005	4.20	6.00	
		14.7.2005	4.36	6.00	
		20.7.2005	5.20	6.00	
		21.7.2005	5.30	6.00	
		27.7.2005	5.76	6.00	
		28.7.2005	5.70	6.00	
		3.8.2005	5.10	6.00	
		4.8.2005	5.01	6.00	
		10.8.2005	4.86	6.00	
		11.8.2005	4.90	6.00	
		17.8.2005	5.35	6.00	
		18.8.2005	5.40	6.00	
		23.8.2005	5.50	6.00	
		26.8.2005	5.29	6.00	
		31.8.2005	5.64	6.00	
		4.9.2005	5.80	6.00	
		7.9.2005	5.61	6.00	
		8.9.2005	5.47	6.00	
		14.9.2005	4.65	6.00	
		15.9.2005	4.61	6.00	
		20.9.2005	5.13	6.00	
		22.9.2005	4.90	6.00	
		27.9.2005	3.78	6.00	
		30.9.2005	4.00	6.00	
		5.10.2005	5.90	6.00	
		6.10.2005	5.96*	6.00	
		12.10.2005	5.00	6.00	
		13.10.2005	4.84	6.00	
		14.10.2005	4.73	6.00	
		27.10.2005	3.78	6.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

South Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Bhagirathi	Jangipur	19.6.2005	18.04	6.00	* This year's highest level
Warning Level		22.6.2005	18.23	6.00	
E.D.L.	20.88	23.6.2005	18.42	6.00	
D.L.	20.27	25.6.2005	18.73	6.00	
		1.7.2005	18.75	6.00	
		6.7.2005	19.14	6.00	
		7.7.2005	19.17	6.00	
		11.7.2005	18.78	6.00	
		14.7.2005	19.13	6.00	
		20.7.2005	19.63	6.00	
		22.7.2005	19.06	6.00	
		23.7.2005	19.81*	6.00	
		28.7.2005	19.28	6.00	
		2.8.2005	18.72	6.00	
		6.8.2005	18.68	6.00	
		10.8.2005	18.90	6.00	
		11.8.2005	19.05	6.00	
		13.8.2005	19.34	6.00	
		19.8.2005	19.22	6.00	
		24.8.2005	19.49	6.00	
		25.8.2005	19.64	6.00	
		27.8.2005	19.79	6.00	
		1.9.2005	19.64	6.00	
		7.9.2005	19.05	6.00	
		8.9.2005	18.88	6.00	
		14.9.2005	18.43	6.00	
		15.9.2005	18.43	6.00	
		16.9.2005	18.57	6.00	
		22.9.2005	18.53	6.00	
		28.9.2005	18.38	6.00	
		30.9.2005	18.30	6.00	
		5.10.2005	18.51	6.00	
		6.10.2005	18.48	6.00	
		9.10.2005	18.33	6.00	
		13.10.2005	14.84	6.00	
		14.10.2005	18.23	6.00	
		27.10.2005	18.42	6.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

South Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Bhagirathi	Berhampore	21.6.2005	14.00	6.00	* This year's highest level
Warning Level		22.6.2005	14.72	6.00	
E.D.L.	17.83	23.6.2005	14.82	6.00	
D.L.	17.22	26.6.2005	15.10	6.00	
		30.6.2005	15.07	6.00	
		6.7.2005	15.54	6.00	
		7.7.2005	15.66	6.00	
		12.7.2005	15.34	6.00	
		14.7.2005	15.52	6.00	
		20.7.2005	16.15	6.00	
		23.7.2005	16.36	6.00	
		27.7.2005	16.08	6.00	
		28.7.2005	15.94	6.00	
		3.8.2005	15.31	6.00	
		4.8.2005	15.25	6.00	
		10.8.2005	15.34	6.00	
		13.8.2005	15.17	6.00	
		14.8.2005	15.73	6.00	
		18.8.2005	15.17	6.00	
		24.8.2005	15.81	6.00	
		25.8.2005	15.92	6.00	
		30.8.2005	16.13	6.00	
		1.9.2005	16.06	6.00	
		7.9.2005	15.55	6.00	
		8.9.2005	15.47	6.00	
		14.9.2005	15.02	6.00	
		15.9.2005	14.99	6.00	
		21.9.2005	14.91	6.00	
		23.9.205	16.62*	6.00	
		28.9.2005	14.95	6.00	
		30.9.2005	14.87	6.00	
		5.10.2005	15.03	6.00	
		6.10.2005	15.05	6.00	
		12.10.2005	14.86	6.00	
		14.10.2005	14.81	6.00	
		27.10.2005	15.03	6.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

South Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Bhagirathi	Katwa	21.6.2005	9.89	6.00	* This year's highest level
Warning Level		23.6.2005	9.87	6.00	
E.D.L.	14.32	29.6.2005	10.15	6.00	
D.L.	13.71	30.6.2005	10.16	6.00	
		5.7.2005	10.79	6.00	
		8.7.2005	11.84	6.00	
		11.7.2005	11.03	6.00	
		14.7.2005	10.89	6.00	
		17.7.2005	12.04	6.00	
		22.7.2005	12.37*	6.00	
		27.7.2005	12.02	6.00	
		28.7.2005	11.85	6.00	
		3.8.2005	11.11	6.00	
		4.8.2005	11.00	6.00	
		6.8.2005	10.84	6.00	
		11.8.2005	10.95	6.00	
		17.8.2005	11.18	6.00	
		18.8.2005	11.32	6.00	
		22.8.2005	11.05	6.00	
		28.8.2005	11.55	6.00	
		31.8.2005	11.35	6.00	
		1.9.2005	11.26	6.00	
		7.9.2005	10.79	6.00	
		8.9.2005	10.74	6.00	
		14.9.2005	10.58	6.00	
		15.9.2005	10.55	6.00	
		21.9.2005	10.49	6.00	
		24.9.2005	10.55	6.00	
		28.9.2005	10.47	6.00	
		3.10.2005	10.18	6.00	
		5.10.2005	10.55	6.00	
		6.10.2005	10.67	6.00	
		12.10.2005	10.21	6.00	
		21.10.2005	10.40	6.00	
		24.10.2005	12.05	6.00	
		25.10.2005	12.07	6.00	
		27.10.2005	10.51	6.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

South Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Bhagirathi	Kalna	22.6.2005	3.965	6.00	
Warning Level		23.6.2005	4.05	6.00	
E.D.L.	8.24	29.6.2005	4.185	6.00	
D.L.	7.63	1.7.2005	4.00	6.00	
		5.7.2005	4.52	6.00	
		9.7.2005	5.43	6.00	
		13.7.2005	4.79	6.00	
		14.7.2005	4.82	6.00	
		20.7.2005	5.90	6.00	
		21.7.2005	5.96	6.00	
		26.7.2005	6.245	6.00	
		28.7.2005	6.18	6.00	
		3.8.2005	5.67	6.00	
		4.8.2005	5.57	6.00	
		10.8.2005	5.35	6.00	
		12.8.2005	5.38	6.00	
		16.8.2005	5.13	6.00	
		18.8.2005	5.28	6.00	
		22.8.2005	5.78	6.00	
		25.8.2005	5.54	6.00	
		29.8.2005	5.81	6.00	
		2.9.2005	5.735	6.00	
		7.9.2005	5.60	6.00	
		9.9.2005	5.41	6.00	
		14.9.2005	4.98	6.00	
		15.9.2005	4.98	6.00	
		21.9.2005	5.89	6.00	
		22.9.2005	5.15	6.00	
		28.9.2005	4.515	6.00	
		1.10.2005	4.55	6.00	
		5.10.2005	5.18	6.00	
		6.10.2005	5.31	6.00	
		12.10.2005	4.50	6.00	
		21.10.2005	4.98	6.00	
		24.10.2005	6.00	6.00	
		26.10.2005	6.29*	6.00	
		27.10.2005	4.56	6.00	

* This year's
highest level

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

South Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Rupnarayan	Bandar	30.6.2005	2.71	6.00	
Warning Level		5.7.2005	1.95	6.00	
E.D.L.	7.45	9.7.2005	2.37	6.00	
D.L.	6.85	11.7.2005	1.89	6.00	
		15.7.2005	2.16	6.00	
		17.7.2005	2.98	6.00	
		21.7.2005	1.92	6.00	
		25.7.2005	3.41	6.00	
		28.7.2005	3.41	6.00	
		1.8.2005	3.59	6.00	
		6.8.2005	5.03	6.00	
		10.8.2005	3.87	6.00	
		11.8.2005	3.29	6.00	
		14.8.2005	2.37	6.00	
		20.8.2005	3.04	6.00	
		23.8.2005	3.81	6.00	
		25.8.2005	3.65	6.00	
		30.8.2005	2.47	6.00	
		4.9.2005	2.92	6.00	
		5.9.2005	1.73	6.00	
		10.9.2005	2.89	6.00	
		12.9.2005	2.43	6.00	
		15.9.2005	3.81	6.00	
		18.9.2005	5.06	6.00	
		22.9.2005	4.48	6.00	
		27.9.2005	1.95	6.00	
		30.9.2005	1.82	6.00	
		4.10.2005	2.80	6.00	
		7.10.2005	2.68	6.00	
		9.10.2005	2.95	6.00	
		14.10.2005	2.07	6.00	
		23.10.2005	6.06	6.00	
		25.10.2005	6.79*	6.00	
		27.10.2005	1.95	6.00	

* This year's
highest level

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

South Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Rupnarayan	Gopiganj	7.7.2005	1.52	6.00	* This year's highest level
Warning Level		10.7.2005	2.01	6.00	
E.D.L.	5.63	18.7.2005	2.19	6.00	
D.L.	5.03	20.7.2005	1.67	6.00	
		21.7.2005	1.76	6.00	
		26.7.2005	2.74	6.00	
		30.7.2005	2.65	6.00	
		2.8.2005	2.01	6.00	
		4.8.2005	2.44	6.00	
		6.8.2005	2.86	6.00	
		11.8.2005	2.50	6.00	
		16.8.2005	1.98	6.00	
		20.8.2005	1.92	6.00	
		21.8.2005	2.91	6.00	
		25.8.2005	2.40	6.00	
		31.8.2005	1.37	6.00	
		1.9.2005	1.40	6.00	
		4.9.2005	1.99	6.00	
		8.9.2005	1.58	6.00	
		13.9.2005	2.22	6.00	
		15.9.2005	1.98	6.00	
		20.9.2005	2.98	6.00	
		22.9.2005	3.80	6.00	
		28.9.2005	1.24	6.00	
		30.9.2005	1.09	6.00	
		4.10.2005	1.79	6.00	
		8.10.2005	2.56	6.00	
		12.10.2005	1.09	6.00	
		14.10.2005	1.18	6.00	
		23.10.2005	3.50	6.00	
		25.10.2005	3.90*	6.00	
		27.10.2005	1.40	6.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

South Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Rupnarayan	Ranichak	1.7.2005	2.98	6.00	
Warning Level		4.7.2005	1.98	6.00	
E.D.L.	5.94	7.7.2005	2.40	6.00	
D.L.	5.34	9.7.2005	3.04	6.00	
		17.7.2005	2.92	6.00	
		18.7.2005	2.01	6.00	
		21.7.2005	2.86	6.00	
		26.7.2005	3.78	6.00	
		31.7.2005	3.50	6.00	
		3.8.2005	3.20	6.00	
		6.8.2005	4.42	6.00	
		10.8.2005	3.72	6.00	
		11.8.2005	3.23	6.00	
		15.8.2005	2.56	6.00	
		20.8.2005	2.92	6.00	
		24.8.2005	3.81	6.00	
		25.8.2005	3.35	6.00	
		31.8.2005	2.28	6.00	
		1.9.2005	1.89	6.00	
		4.9.2005	2.58	6.00	
		8.9.2005	2.34	6.00	
		11.9.2005	2.98	6.00	
		15.9.2005	3.32	6.00	
		20.9.2005	4.45	6.00	
		22.9.2005	4.17	6.00	
		28.9.2005	1.67	6.00	
		30.9.2005	1.67	6.00	
		4.10.2005	2.89	6.00	
		9.10.2005	3.71	6.00	
		12.10.2005	2.04	6.00	
		14.10.2005	1.89	6.00	
		23.10.2005	5.21	6.00	
		25.10.2005	5.85**	6.00	
		28.10.2005	5.36*	6.00	
		31.10.2005	4.38	6.00	

*Above D.L.

** Above D.L.
& this year's
highest level

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

South Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Subarnarekha	Sonakonia	13.6.2005	8.10	6.00	* This year's highest level
Warning Level		16.6.2005	8.10	6.00	
E.D.L.	16.75	24.6.2005	8.15	6.00	
D.L.	16.15	27.6.2005	8.25	6.00	
		30.6.2005	8.30	6.00	
		3.7.2005	9.80	6.00	
		7.7.2005	9.30	6.00	
		12.7.2005	9.00	6.00	
		14.7.2005	9.10	6.00	
		18.7.2005	9.40	6.00	
		22.7.2005	9.00	6.00	
		27.7.2005	9.56	6.00	
		28.7.2005	9.56	6.00	
		2.8.2005	10.70	6.00	
		5.8.2005	13.41*	6.00	
		10.8.2005	9.72	6.00	
		13.8.2005	9.26	6.00	
		17.8.2005	9.85	6.00	
		19.8.2005	9.56	6.00	
		21.8.2005	10.50	6.00	
		25.8.2005	10.00	6.00	
		31.8.2005	9.56	6.00	
		1.9.2005	9.56	6.00	
		7.9.2005	9.00	6.00	
		10.9.2005	9.00	6.00	
		13.9.2005	9.41	6.00	
		16.9.2005	12.50	6.00	
		19.9.2005	10.94	6.00	
		22.9.2005	11.55	6.00	
		28.9.2005	9.56	6.00	
		30.9.2005	9.41	6.00	
		5.10.2005	9.10	6.00	
		6.10.2005	8.90	6.00	
		11.10.2005	8.65	6.00	
		14.10.2005	8.60	6.00	
		24.10.2005	12.50	6.00	
		25.10.2005	12.10	6.00	
		31.10.2005	9.72	6.00	

GAUGE LEVELS OF IMPORTANT RIVERS DURING FLOOD SEASON OF 2005.

South Bengal Rivers

[illegible]

South Bengal Rivers

[illegible]

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

South Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Ichamati	Bongaon	21.6.2005	1.49	6.00	
Warning Level		23.6.2005	1.48	6.00	
E.D.L.	7.675	29.6.2005	1.76	6.00	
D.L.	5.075	30.6.2005	1.76	6.00	
		5.7.2005	1.945	6.00	
		8.7.2005	1.945	6.00	
		12.7.2005	1.92	6.00	
		15.7.2005	2.07	6.00	
		19.7.2005	2.08	6.00	
		22.7.2005	2.11	6.00	
		27.7.2005	2.41	6.00	
		28.7.2005	2.43	6.00	
		3.8.2005	2.55	6.00	
		8.8.2005	2.59	6.00	
		10.8.2005	2.52	6.00	
		11.8.2005	2.47	6.00	
		17.8.2005	2.24	6.00	
		18.8.2005	2.22	6.00	
		24.8.2005	2.29	6.00	
		25.8.2005	2.30	6.00	
		31.8.2005	2.17	6.00	
		2.9.2005	2.15	6.00	
		7.9.2005	2.29	6.00	
		8.9.2005	2.31	6.00	
		14.9.2005	2.27	6.00	
		16.9.2005	2.17	6.00	
		21.9.2005	2.43	6.00	
		22.9.2005	2.43	6.00	
		28.9.2005	2.09	6.00	
		30.9.2005	2.07	6.00	
		2.10.2005	2.09	6.00	
		6.10.2005	2.09	6.00	
		21.10.2005	2.41	6.00	
		24.10.2005	3.61	6.00	
		25.10.2005	3.73	6.00	
		28.10.2005	3.87*	6.00	
		31.10.2005	3.77	6.00	

* This year's
highest level

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

South Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Jamuna	Gaighata	5.7.2005	1.29	6.00	
Warning Level		8.7.2005	1.35	6.00	
E.D.L.	4.50	15.7.2005	2.57	6.00	
D.L.	3.90	20.7.2005	2.59	6.00	
		21.7.2005	2.56	6.00	
		26.7.2005	2.73	6.00	
		29.7.2005	2.83	6.00	
		1.8.2005	2.75	6.00	
		4.8.2005	2.72	6.00	
		6.8.2005	2.65	6.00	
		11.8.2005	2.65	6.00	
		18.8.2005	2.42	6.00	
		22.8.2005	2.72	6.00	
		25.8.2005	2.69	6.00	
		31.8.2005	2.38	6.00	
		1.9.2005	2.35	6.00	
		7.9.2005	2.48	6.00	
		9.9.2005	2.53	6.00	
		14.9.2005	2.37	6.00	
		16.9.2005	2.21	6.00	
		21.9.2005	2.69	6.00	
		23.9.2005	2.73	6.00	
		28.9.2005	2.11	6.00	
		30.9.2005	1.98	6.00	
		5.10.2005	2.98	6.00	
		6.10.2005	3.00	6.00	
		12.10.2005	2.68	6.00	
		21.10.2005	3.50	6.00	* Above D.L.
		23.10.2005	4.08	6.00	** Above D.L. & this year's highest level
		26.10.2005	4.10**	6.00	
		27.10.2005	2.21	6.00	
		31.10.2005	3.96*	6.00	

**GAUGE LEVELS OF IMPORTANT RIVERS
DURING FLOOD SEASON OF 2005.**

South Bengal Rivers

River	Gauge at	Date	Level (in M)	Time (in hours)	Remarks
1	2	3	4	5	6
Jamuna	Gobardanga	8.7.2005	1.630	6.00	
Warning Level		15.7.2005	2.55	6.00	
E.D.L.	4.37	20.7.2005	2.62	6.00	
D.L.	3.77	21.7.2005	2.59	6.00	
		26.7.2005	2.63	6.00	
		29.7.2005	2.69	6.00	
		1.8.2005	2.61	6.00	
		7.8.2005	2.54	6.00	
		8.8.2005	2.65	6.00	
		11.8.2005	2.60	6.00	
		17.8.2005	2.35	6.00	
		18.8.2005	2.36	6.00	
		22.8.2005	2.61	6.00	
		25.8.2005	2.59	6.00	
		31.8.2005	2.28	6.00	
		1.9.2005	2.25	6.00	
		6.9.2005	2.38	6.00	
		9.9.2005	2.43	6.00	
		14.9.2005	2.28	6.00	
		16.9.2005	2.15	6.00	
		21.9.2005	2.61	6.00	
		23.9.2005	2.65	6.00	
		28.9.2005	2.05	6.00	
		30.9.2005	1.93	6.00	
		5.10.2005	2.91	6.00	
		6.10.2005	2.93	6.00	
		12.10.2005	2.63	6.00	
		24.10.2005	3.91*	6.00	* Above D.L.
		26.10.2005	3.97**	6.00	** Above D.L.
		27.10.2005	2.15	6.00	& this year's
		31.10.2005	3.86*	6.00	highest level

STATEMENT OF RAINFALL DATA OF DIFFERENT RIVERS (SUB-BASIN WISE) WITHIN WEST BENGAL DURING MONSOON PERIOD OF 2005.

(As per available data)

Sl. No.	Name of the River Sub-Basin including the name of gauge station	Rainfall upto June 2005 (mm)	Rainfall upto October 2005 (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	920.40	3640.60	2720.20	2720.20	3797.00	3797.00	72
3.	RAIDAK							
a)	Tufangunj	792.10	3276.20	2484.10	2484.10	3492.00	3492.00	71
4.	TORSA							
a)	Coochbehar	854.30	3753.80	2899.50	2432.45	3580.00	3543.00	69
b)	Hasimara	1017.15	2982.55	1965.40		3505.00**		
5.	DIANA							
a)	Banarhat	1056.75	3314.75	2258.00	2258.00	3590.00**	3590.00	63
6.	JALDHAKA							
a)	Mathabhanga	690.20	3072.70	2382.50	2382.50	3120.00	3120.00	76
7.	TEESTA							
a)	Jalpaiguri	660.50	2798.60	2138.10	2390.05	3290.00	3615.00	66
b)	Malbazar	1188.60	3830.60	2642.00		3940.00		
8.	MAHANANDA							
a)	Siliguri	648.80	2489.80	1841.00	1486.42	3620.00	2199.00	68
b)	Raigunj	238.64	1810.90	1572.26		1577.00		
c)	Malda	-	-	1046.00		1400.00		
9.	PUNARBHAVA							
a)	Gangarampur	223.00	1545.50	1322.50	1322.50	1591.00	1591.00	83
10.	ATRAI							
a)	Balurghat	215.50	1365.00	1149.50	1149.50	1430.00	1430.00	80
11.	PAGLA-BANSLOI							
a)	Paikar	224.90	1284.40	1059.50	1059.50	1402.00	1402.00	76
12.	BRAHMONI-DWARKA							
a)	Rampurhat	226.00	1210.60	984.60	836.90	1437.00	1232.00	68
b)	Nalhati	189.70	878.90	689.20		1026.00		
13.	MAYURAKSHI							
a)	Maharo	228.80	1149.40	920.60	1040.41	1480.00	1437.00	72
b)	Massanjore	286.00	1486.00	1200.00		1460.00		
c)	Tilpara Barrage	359.80	1440.60	1080.80		1400.00		
d)	Kandi	236.60	1196.84	960.24		1408.00		

** average annual rainfall calculated on the basis of annual rainfall from 1987 to 1995 for Banarhat & from 1996 to 2001 for Hasimara.

1	2	3	4	5	6	7	8	9
14.	AJOY							
a)	Sikatia	182.30	951.90	769.60	789.89	1377.00	1311.00	60
b)	Bolepur	407.20	1231.70	824.50		1220.00		
c)	Gheropara	174.80	960.00	785.20		1282.00		
d)	Katwa	255.49	1035.76	780.27		1365.00		
15.	DAMODAR							
a)	Tilaiya	71.60	1075.60	1004.00	934.90	1118.00	1311.00	71
b)	Tenughat	148.60	1055.80	907.20		1321.00		
c)	Maithon	190.60	1147.10	956.50		1113.00		
d)	Panchet Dam	216.40	1107.30	890.90		1146.00		
e)	Durgapur	126.40	991.60	865.20		1210.00		
f)	Harinkhola	269.20	1117.90	848.70		1444.00		
g)	Amta	419.30	1422.50	1003.20		1668.00		
h)	Champadanga	324.00	1327.50	1003.50		1468.00		
16.	DWARAKESWAR							
a)	Simulia	214.20	878.20	664.00	721.25	1270.00	1357.00	53
b)	Arambag	152.25	930.75	778.50		1444.00		
17.	SILABATI							
a)	Ghatal	692.40	1652.30	959.90	959.90	1455.00	1455.00	66
18.	KANGSABATI							
a)	Tusuma	326.20	901.02	574.82	922.68	1355.00	1432.00	64
b)	Kangsabati Dam	193.20	840.00	646.80		1300.00		
c)	Mohanpur	291.20	1383.80	1092.60		1556.00		
d)	Panskura	267.50	1644.00	1376.50		1516.00		
19.	KALIAGHAI							
a)	Amgachia	572.50	1982.65	1410.15	1410.15	1508.00	1508.00	94
20.	JALANGI							
a)	Swarupganj	245.80	995.60	749.80	749.80	1440.00	1440.00	52
21.	CHURNI							
a)	Ranaghat	Rain Gauge to be installed				1348.00	1348.00	-
22.	BHAGIRATHI-HOOGLHY							
a)	Berhampore	221.20	1243.15	1021.95	1092.68	1390.00	1500.00	73
b)	Kolkata	399.40	1562.80	1163.40		1610.00		
23.	RUPNARAYAN							
a)	Tamluk	108.36	1501.31	1392.95	1392.95	1608.00	1608.00	87
24.	SUBARNAREKHA							
a)	Digha	183.25	1687.75	1504.50	1504.50	1610.00	1610.00	93
25.	24-PGS & KOLKATA							
A)	Tentulia	-	-	-	-	1623.00	1566.00	-
b)	Barasat	268.75	1371.75	1103.00		1508.00		
26.	PICHABONI							
a)	Ramnagar	Rain Gauge to be installed				1641.00	1641.00	-
27.	RASULPUR							
a)	Contai	460.00	1893.90	1433.90	1433.90	1700.00	1700.00	84
28.	HALDI							
a)	Haldia	Rain Gauge to be installed				1737.00	1737.00	-

Statement of damages to Embankments/Structures in different districts of West Bengal during the Flood – 200 .

Sl. No	Districts	River	Damaged Site/ Police Station/ Block	Nature & extent of damages					Inundatd Area
				Breach	Severely/ partially damaged	Damages to protective works	Slip/ Bank Erosion	Sluice (No.)	
1	2	3	4	5	6	7	8	9	10
1.	Jalpaiguri	Torsa	Left Bank, Dalsinghpara embankment Joygaon	50 Mt.	Severely damaged	150 Mt. Embankment badly damaged	-	-	
		Patna	Radharani embankment P.S. Kalchini	-	Partially damaged	-	-	-	
		Cheko	Left Bank, Poddar Par embankment, Alipurduar	-	Partially damaged	-	-	-	
		Benia Batchra Stream	Left Guide Bundh, P.S. Kalchini	-	-	5 Mt. Protective work damaged	-	-	
		Pagli	Left Bank, Pagli Bhutan embankment, Birpara	70 Mt.	-	-	Erosion	-	
		Raidak-II	Left Bank, Paglarhat embankment, P.S. Kumargram	65 Mt.	-	-	-	-	
		Raidak-I	Right Bank, Piladagarhat, Thikliguri, Kumarijar	-	-	-	Severe bank erosion	-	

Statement of damages to Embankments/Structures in different districts of West Bengal during the Flood – 2005.

Sl. No	Districts	River	Damaged Site/ Police Station/ Block	Nature & extent of damages					Inundatd Area
				Breach	Severely/ partially damaged	Damages to protective works	Slip/ Bank Erosion	Sluice (No.)	
1	2	3	4	5	6	7	8	9	10
1.	Jalpaiguri		Taliguri, Arampur, Notorfela, Uttaramabari, Rajarhat ghierbari, Bairata Jugat Joly, Kalpani, Santoshpur, Deochari embankments, Dowaguri spur No.-I, Spur No.I,II & III, Baxarkuthi scheme, Spur No. 6 East Fulbari, Spur No. I- Panaguri, Adabarighat B.P.Work		Severely damaged	-	-	-	
		Chel	Right bank, Turi Bari embankment, P.S. Monabari	-	-	-	Bank erosion	-	
		Mal	Right Bank, Purbatesimal	-	-	-	Bank erosion	-	
		Diana	Left Bank, Alipurduar town protective embankment	-	-	-	Erosion	-	
		Kaljani	Left Bank, Alipurduar town protctive embankment	-	-	-	Erosion	-	

Statement of damages to Embankments/Structures in different districts of West Bengal during the Flood – 2005.

Sl. No	Districts	River	Damaged Site/ Police Station/ Block	Nature & extent of damages					Inundatd Area
				Breach	Severely/ partially damaged	Damages to protective works	Slip/ Bank Erosion	Sluice (No.)	
1	2	3	4	5	6	7	8	9	10
	Jalpaiguri	Basra	Country side slope of Bundh, Alipurduar	-	Damaged	-	-	-	
		Teesta	Right Bank – Mongalghat Bibiganj embankment Spur No. 3 & 5.	-	-	-	Erosion	-	
		Gheesh	Left Bank, Andhijhora	-	Severely damaged	-	-	-	
2.	Coochbehar	Mansai	Right bank, Bairati, Jagatjalli embankment, P.S. Mathabhanga	-	-	-	Badly eroded	-	
		Kaljani	Right Bank, Arampur embankment, P.S. Tufanganj	-	Partially damaged	-	-	-	
		Torsa	Subhasini embankment, Kalchini	-	Partially damaged	-	-	-	
			Dawaguri Spur No.-I	-	-	-	Eroded 20 Mt.	-	
			Baxir Kuthi, Spur No. 1,2 & 3	-	-	-	Eroded 20 M., 30 M, 80M	-	
			Kalapani B.P.Work	-	-	-	Eroded 70 Mt.	-	
			Santoshpur embankment	-	-	-	Eroded 50 Mt.	-	
			Panaguri Spur No. – I	-	-	-	Eroded 20 Mt.	-	

Statement of damages to Embankments/Structures in different districts of West Bengal during the Flood – 2005.

Sl. No	Districts	River	Damaged Site/ Police Station/Block	Nature & extent of damages					Inundatd Area
				Breach	Severely/ partially damaged	Damages to protective works	Slip/ Bank Erosion	Sluice (No.)	
1	2	3	4	5	6	7	8	9	10
3.	Malda	Mahananda	Left Bank, Ramparaghat, Nemua of Muchia B.O.P. – Habibpur	-	-	-	500 Mt. (1.0 Hectare)	-	
		Ganga	Left Bank, Balufara to Sultantola	-	Damaged	Damaged	Bank erosion	-	
			Left Bank, Bhutni Diara Circuit embankment, Balutola – Bagrakat, P.S. Manikchak	-	-	-	Bank erosion, eroded (50 Ha.)	-	
			Pagla Closure, Panchanandapur	-	Bed Bar 2,10 severely damaged	-	Bed Bar 11,12 eroded, massive erosion (1.5Ha)	-	
			Sibentola, P.S.Manikchak	-	-	-	Erosion 9.6 Ha of land eroded	-	
			Panchanandapur	-	-	70Mt.boulder pitching damaged	560 sq.mt. land slided down, 0.434 Ha. eroded	-	
			Bed Bar No. 4,5,6,7	-	Severely damaged	1000 Mt. Length apron damaged	Land eroded (100m X 20m) 2.0 Ha. engulfed	-	
			Bed Bar No. 15	-	-	-	Eroded 150 Mt.	-	
			Tagging embankment		Damaged 200 Mt.	-	-	-	
			8th retired embankment	-	-	-	2 km. Eroded, 60 Mt. engulfed	-	
			Vest para, Panchanandapur		25 Mt. River side slope collapsed	-	Eroded land (1.5 Ha.)	-	
			Sakurullahpur, Bed Bar No.23&24	-	-	60 M. Bank pitching with crated apron settled down	Erosion		

Statement of damages to Embankments/Structures in different districts of West Bengal during the Flood – 2005.

Sl. No	Districts	River	Damaged Site/ Police Station/ Block	Nature & extent of damages					Inundatd Area (Sq.km.)
				Breach	Severely/ partially damaged	Damages to protective works	Slip/ Bank Erosion	Sluice (No.)	
1	2	3	4	5	6	7	8	9	10
4.	Bardhaman	Bhagirathi	Left Bank, Right Bank at Agradwip, right bank at Kasthasali, right bank at Kuturia, left bank at Debnagar, Right bank at Piyanagar and Right bank at Japat	-	-	-	Bank erosion	-	
			Agradwip – Bethuadahari Road	-	Partially damaged	-	-	-	
5.	West Midnapore	Kasai	Down stream apron, Mohanpur Anicut (Stoney gate portion)	-	Damaged (50mX15m)	-	-	-	
		Kaliaghai	Right Bank Gokulpur, P.S.Pataspur, left bank Manasagram, Kowkunda, Bangladari, Nedua, Dhamsai, Kharika, Sundarpur, Andulia, Koptipur, P.S.Sabang. Duria Circuit embankment, P.S.Narayangarh Dohati circuit embankment, P.S. Sabang.	-	Partially damaged	-	-	-	
			Sundarpur Circuit embankment, Kharikapt	Breach	-	-	-	-	
			Dasapur	-	-	-	Slip (70 Mt.)	-	

Statement of damages to Embankments/Structures in different districts of West Bengal during the Flood – 2005.

Sl. No	Districts	River	Damaged Site/ Police Station/ Block	Nature & extent of damages					Inundatd Area
				Breach	Severely/ partially damaged	Damages to protective works	Slip/ Bank Erosion	Sluice (No.)	
1	2	3	4	5	6	7	8	9	10
6.	East Midnapore		Old Digha	-	Concrete block damaged, boulder protection work damaged, large cavity formed.	-	-	-	
			Western side of Hospital ramp and Aquirium point	-	Damaged length (55 mt.)	-	-	-	
			Sea wall and pathway	-	Pathway (10 Mt.) damaged.	-	-	-	
			Sea Dyke at Jhalda Chandpur, Sankarpur	-	Damaged	-	-	-	
			River embankment, Bathurmari	-	Damaged	-	-	-	
		Rupnarayan	Right bank near 22 mile post.	-	Partially damaged (120 Mt.)	-	-	-	
			Crest of Schedule 'D' embankment, Danipur	-	Subsidence occurred (60 Mt.)	-	-	-	
			21 Mile post (u/s) of schedule 'D' embankment	-	Cracks developed (92 Mt.)	-	-	-	

Statement of damages to Embankments/Structures in different districts of West Bengal during the Flood – 2005.

Sl. No	Districts	River	Damaged Site/ Police Station/ Block	Nature & extent of damages					Inundatd Area
				Breach	Severely/ partially damaged	Damages to protective works	Slip/ Bank Erosion	Sluice (No.)	
1	2	3	4	5	6	7	8	9	10
7.	South 24-Parganas	Hana	Hogolduri embankment	25 Mt.	-	-	-	-	0.40 Sq.Km.
		Matla	Damga Zora embankment	-	-	-	Erosion	-	-
		Mridangabhanga	Lakshimpur embankment	80 Mt.	-	-	-	-	1.0 Sq.Mile
		Kapura	Kalidaspur	100 Mt.	-	-	-	-	300 Acres
			Sundarban embankment at Mandalgheri	-	-	-	100 Mt.	-	0.65 Sq.km.

**STATEMENT OF DISTRICT-WISE INUNDATED AREA IN
THE YEAR 2005 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	-	-	-
2.	Birbhum	4545.00	-	-	-
3.	Burdwan	7024.43	-	-	-
4.	Hooghly	3149.00	-	-	-
5.	Howrah	1466.62	-	-	-
6.	Midnapore	14081.00	-	-	-
7.	Murshidabad	5324.00	-	-	-
8.	Nadia	3927.45	-	-	-
9.	North 24-Parganas	4094.00	-	-	-
10.	South 24-Parganas	9960.00	4.86	0.05	-
11.	Purulia	6258.72	-	-	-
12.	Coochbehar	3387.00	-	-	-
13.	Darjeeling	3149.00	-	-	-
14.	Jalpaiguri	6227.00	-	-	-
15.	Maldah	3732.00	-	-	-
16.	North Dinajpur	3139.80	-	-	-
17.	South Dinajpur	2218.65	-	-	-
18.	Calcutta	187.33	-	-	-
Total		88,752.00	4.86		