



भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
CONTROL ROOM NDMA (FAX.NO.26701729)
CABINET SECRETARIAT, (KIND ATTN SHRI TARA DUTT , JOINT SECRETARY)
(FAX.NO.23793144)
PS TO HON'BLE MINISTER FOR SCIENCE AND TECHNOLOGY AND EARTH SCIENCES (FAX
NO.23316745)
SECRETARY, MoES, (Fax No. 24629777)
SECRETARY, DST (Fax No. 26863847/-2418)
H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147)
DIRECTOR GENERAL, DOORDARSHAN (23385843)
DIRECTOR GENERAL, AIR (25843825)
PIB MoES (FAX NO. 23389042)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)
DIRECTOR OF PUNCTUALITY, INDIAN RAILWAYS (FAX NO. 23388503)
CHIEF SECRETARY, GOVT. OF ANDAMAN & NICOBAR ISLAND (FAX NO. 03192-232656)
CHIEF SECRETARY, GOVT. OF TAMIL NADU (FAX NO. 044-25672304)
CHIEF SECRETARY, GOVT. OF PUDUCHERRY (FAX NO. 0413-2337575)
CHIEF SECRETARY, GOVT OF ANDHRA PRADESH (FAX No. 040-23453700)

Time of issue: 1715 hours IST

Dated: 10-05-2013

Bulletin No.: BOB 01/2013/01

Sub: Depression over southeast Bay of Bengal.

Latest satellite imagery and observations indicate that a depression has formed over southeast Bay of Bengal and lay centred at 1430 hrs IST of today, the 10th May 2013 near latitude 05.0^oN and longitude 92.0^oE, about 450 km south-southwest of Car Nicobar, 1250 km east-southeast of Trincomalee , 1550 km southeast of Chennai and 1900 km south of Chittagong. The system would intensify into a deep depression during next 24 hrs and subsequently into a cyclonic storm. It would move initially northwestwards during next 48 hrs. and recurve thereafter northeastwards towards Bangladesh-Myanmar coast.

Under the influence of this system, rainfall at many places with isolated heavy to very heavy falls would occur over Andaman and Nicobar Islands during next 48 hrs.

Squally winds speed reaching 45-55 kmph would prevail along and off Nicobar Islands during next 48 hrs. Sea condition will be rough to very rough along and off Nicobar Islands during this period.

Fishermen of Nicobar Islands are advised not to venture into the sea during next 48 hrs.

The next bulletin will be issued at 2030 hrs IST of today, the 10th May, 2013.

(M Mohapatra)
Scientist-E

CC: DDGM (WF) Pune/ ACWC Kolkata/ACWC Chennai/ CWC
Visakhapatnam/Bhubaneswar/Command MO Mumba (022-22630084) /Command MO
Visakhapatnam (0891-2709086)/ MO Port Blair (03192-232656).



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CHIEF SECRETARY, GOVT. OF PUDUCHERRY (FAX NO. 0413-2337575)
CHIEF SECRETARY, GOVT OF ANDHRA PRADESH (FAX No. 040-23453700)

Time of issue: 2000 hours IST

Dated: 10-05-2013

Bulletin No.: BOB 01/2013/02

Sub: Deep Depression over southeast Bay of Bengal

The depression over southeast Bay of Bengal moved slightly northwards, intensified into a deep depression and lay centred at 1730 hrs IST of today, the 10th May 2013 over southeast Bay of Bengal near latitude 05.5^oN and longitude 92.0^oE, about 400 km south-southwest of Car Nicobar, 1200 km east-southeast of Trincomalee, 1550 km southeast of Chennai and 1850 km south of Chittagong. The system would intensify into a cyclonic storm during next 24 hours. It would move initially northwestwards during next 48 hours and recurve thereafter northeastwards towards Bangladesh-Myanmar coast.

Based on latest analysis with NWP models and other conventional techniques, estimated track and intensity of the system are given in the Table below:

Date/Time(IST)	Position (Lat. ^o N/ Long. ^o E)	Sustained maximum surface wind speed (kmph)	Category
10-05-2013/1730	05.5/92.0	50-60 gusting to 70	Deep Depression
10-05-2013/2330	06.0/91.5	55-65 gusting to 75	Deep Depression
11-05-2013/0530	06.5/91.0	60-70 gusting to 80	Cyclonic Storm
11-05-2013/1130	07.1/90.5	70-80 gusting to 90	Cyclonic Storm
11-05-2013/1730	07.7/90.0	80-90 gusting to 100	Cyclonic Storm
12-05-2013/0530	09.0/89.2	90-100 gusting to 110	Severe Cyclonic Storm
12-05-2013/1730	10.5/88.6	100-110 gusting to 120	Severe Cyclonic Storm
13-05-2013/0530	12.0/88.0	110-120 gusting to 130	Severe Cyclonic Storm
13-05-2013/1730	14.0/89.0	120-130 gusting to 145	Very severe Cyclonic Storm

Under the influence of this system, rainfall at many places with isolated heavy to very heavy falls would occur over Andaman and Nicobar Islands during next 48 hrs.

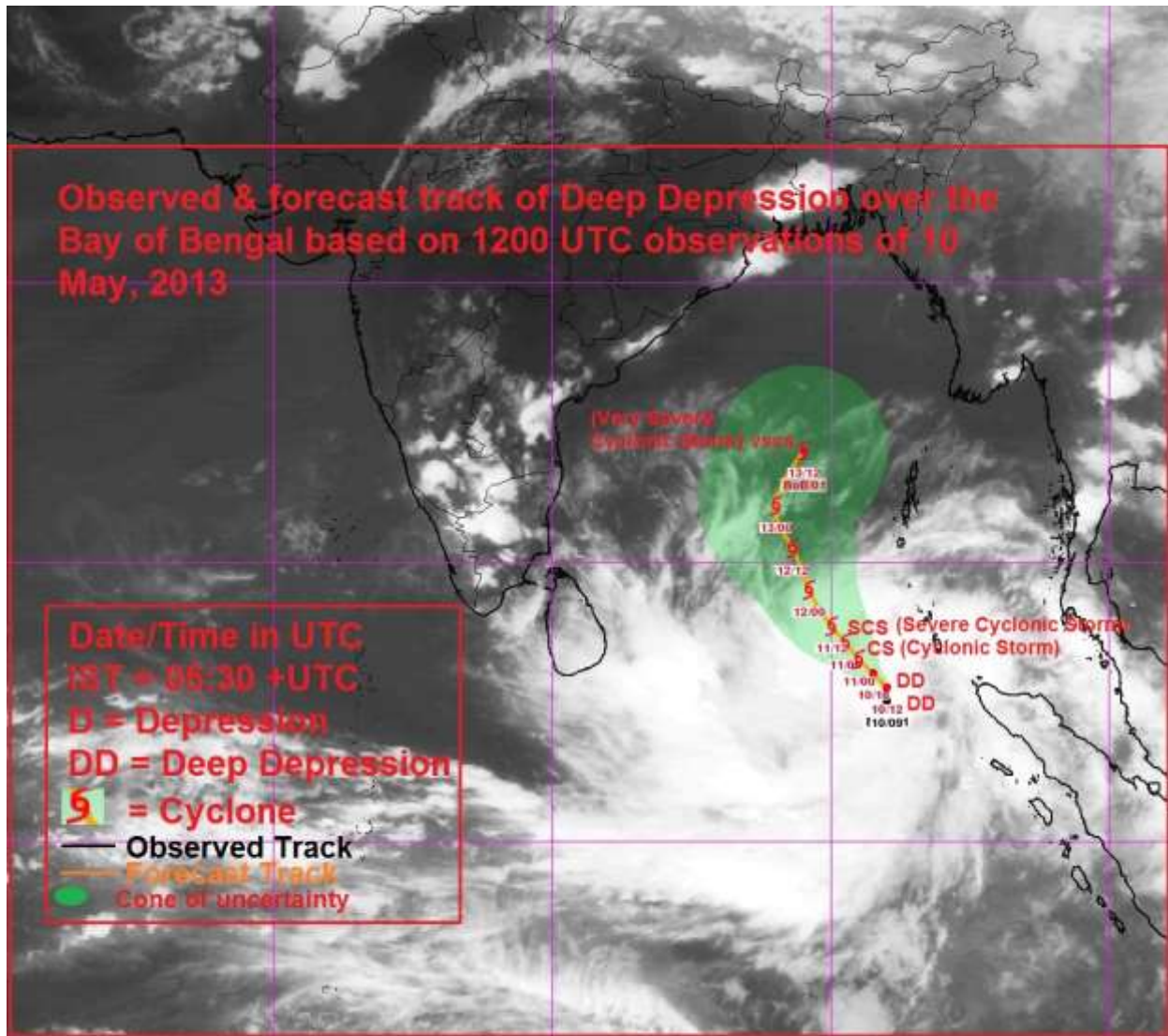
Squally winds speed reaching 50-60 kmph gusting to 70 kmph would prevail along and off Nicobar Islands during next 48 hrs. Sea condition will be rough to very rough along and off Nicobar Islands during this period.

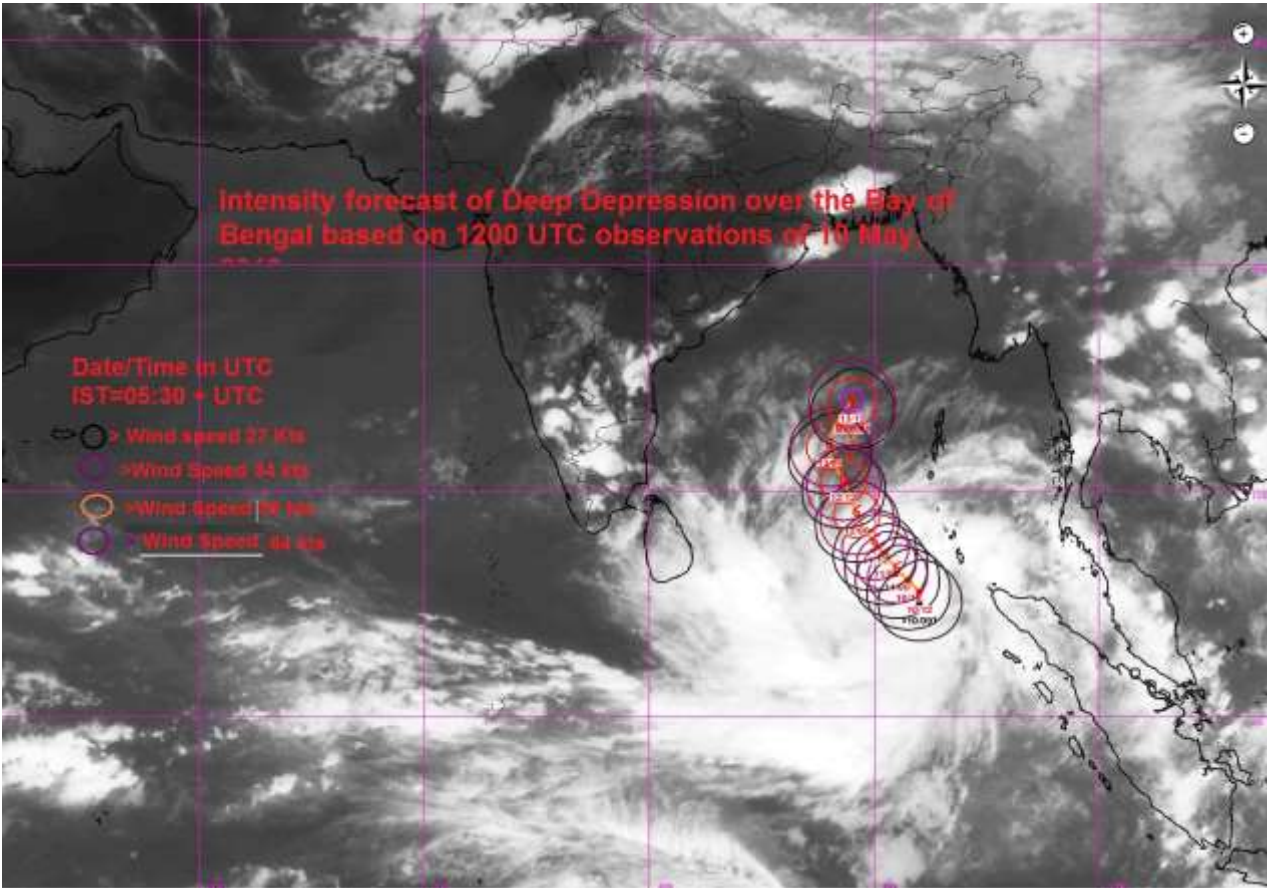
Fishermen of Nicobar Islands are advised not to venture into the sea during next 48 hrs.

The next bulletin will be issued at 0230 hrs IST of tomorrow, the 11th May, 2013.

(M Mohapatra)
Scientist-E

CC: DDGM (WF) Pune/ ACWC Kolkata/ACWC Chennai/ CWC
Visakhapatnam/Bhubaneswar/Command MO Mumbai (022-22630084) /Command MO
Visakhapatnam (0891-2709086)/ MO Port Blair (03192-232656).







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INDIA METEOROLOGICAL DEPARTMENT

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CHIEF SECRETARY, GOVT. OF PUDUCHERRY (FAX NO. 0413-2337575)
CHIEF SECRETARY, GOVT OF ANDHRA PRADESH (FAX No. 040-23453700)

Time of issue: 0230 hours IST

Dated: 11-05-2013

Bulletin No.: BOB 01/2013/03

Sub: Deep Depression over southeast Bay of Bengal

The deep depression over southeast Bay of Bengal remained practically stationary and lay centred at 2330 hrs IST of 10th May 2013 near latitude 05.5^o N and longitude 92.0^o E, about 400 km south-southwest of Car Nicobar, 1200 km east-southeast of Trincomalee, 1550 km southeast of Chennai and 1850 km south of Chittagong. The system would intensify into a cyclonic storm during next 12 hours. It would move initially northwestwards during next 48 hours and recurve thereafter northeastwards towards Bangladesh-Myanmar coast.

Based on latest analysis with NWP models and other conventional techniques, estimated track and intensity of the system are given in the Table below:

Date/Time(IST)	Position (Lat. ^o N/ Long. ^o E)	Sustained maximum surface wind speed (kmph)	Category
10-05-2013/2330	05.5/92.0	55-65 gusting to 75	Deep Depression
11-05-2013/0530	06.0/91.5	60-70 gusting to 80	Cyclonic Storm
11-05-2013/1130	06.5/91.0	70-80 gusting to 90	Cyclonic Storm
11-05-2013/1730	07.1/90.5	80-90 gusting to 100	Cyclonic Storm
11-05-2013/2330	07.7/90.0	90-100 gusting to 110	Severe Cyclonic Storm
12-05-2013/1130	09.0/89.2	100-110 gusting to 120	Severe Cyclonic Storm
12-05-2013/2330	10.5/88.6	110-120 gusting to 130	Severe Cyclonic Storm
13-05-2013/1130	12.0/88.0	120-130 gusting to 145	Very severe Cyclonic Storm
13-05-2013/2330	14.0/89.0	120-130 gusting to 145	Very severe Cyclonic Storm

Under the influence of this system, rainfall at many places with isolated heavy to very heavy falls would occur over Andaman and Nicobar Islands during next 48 hrs.

Squally winds speed reaching 55-65 kmph gusting to 75 kmph would prevail along and off Nicobar Islands during next 48 hrs. Sea condition will be rough to very rough along and off Nicobar Islands during this period.

Fishermen of Nicobar Islands are advised not to venture into the sea during next 48 hrs.

The next bulletin will be issued at 0830 hrs IST of today, the 11th May, 2013.

(Naresh Kumar)
Meteorologist

CC: DDGM (WF) Pune/ ACWC Kolkata/ACWC Chennai/ CWC
Visakhapatnam/Bhubaneswar/Command MO Mumbai (022-22630084) /Command MO
Visakhapatnam (0891-2709086)/ MO Port Blair (03192-232656).



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FAX MESSAGE

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24699216/24623220)

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CHIEF SECRETARY, GOVT. OF PUDUCHERRY (FAX NO. 0413-2337575)

CHIEF SECRETARY, GOVT OF ANDHRA PRADESH (FAX No. 040-23453700)

Time of issue: 0830 hours IST

Dated: 11-05-2013

Bulletin No.: BOB 01/2013/04

Sub: Deep Depression over southeast Bay of Bengal

The deep depression over southeast Bay of Bengal moved northwest and lay centred at 0530 hrs IST of 11th May 2013 near latitude 06.5^o N and longitude 91.0^o E, about 360 km southwest of Car Nicobar, 1100 km east-southeast of Trincomalee, 1400 km southeast of Chennai and 1750 km south of Chittagong. The system would intensify into a cyclonic storm during next 12 hours. It would move initially northwestwards during next 36 hours and recurve thereafter northeastwards towards Bangladesh-Myanmar coast.

Based on latest analysis with NWP models and other conventional techniques, estimated track and intensity of the system are given in the Table below:

Date/Time(IST)	Position (Lat. ^o N/ Long. ^o E)	Sustained maximum surface wind speed (kmph)	Category
11-05-2013/0530	06.5/91.0	55-65 gusting to 75	Deep Depression
11-05-2013/1130	07.1/90.5	60-70 gusting to 80	Cyclonic Storm
11-05-2013/1730	07.7/90.0	70-80 gusting to 90	Cyclonic Storm
11-05-2013/2330	08.3/89.6	80-90 gusting to 100	Cyclonic Storm
12-05-2013/0530	09.0/89.2	90-100 gusting to 110	Severe Cyclonic Storm
12-05-2013/1730	10.5/88.6	100-110 gusting to 120	Severe Cyclonic Storm
13-05-2013/0530	12.0/88.0	110-120 gusting to 130	Severe Cyclonic Storm
13-05-2013/1730	14.0/89.0	120-130 gusting to 145	Very severe Cyclonic Storm
14-05-2013/0530	15.5/90.0	120-130 gusting to 145	Very severe Cyclonic Storm

Under the influence of this system, rainfall at many places with isolated heavy to very heavy falls would occur over Andaman and Nicobar Islands during next 48 hrs.

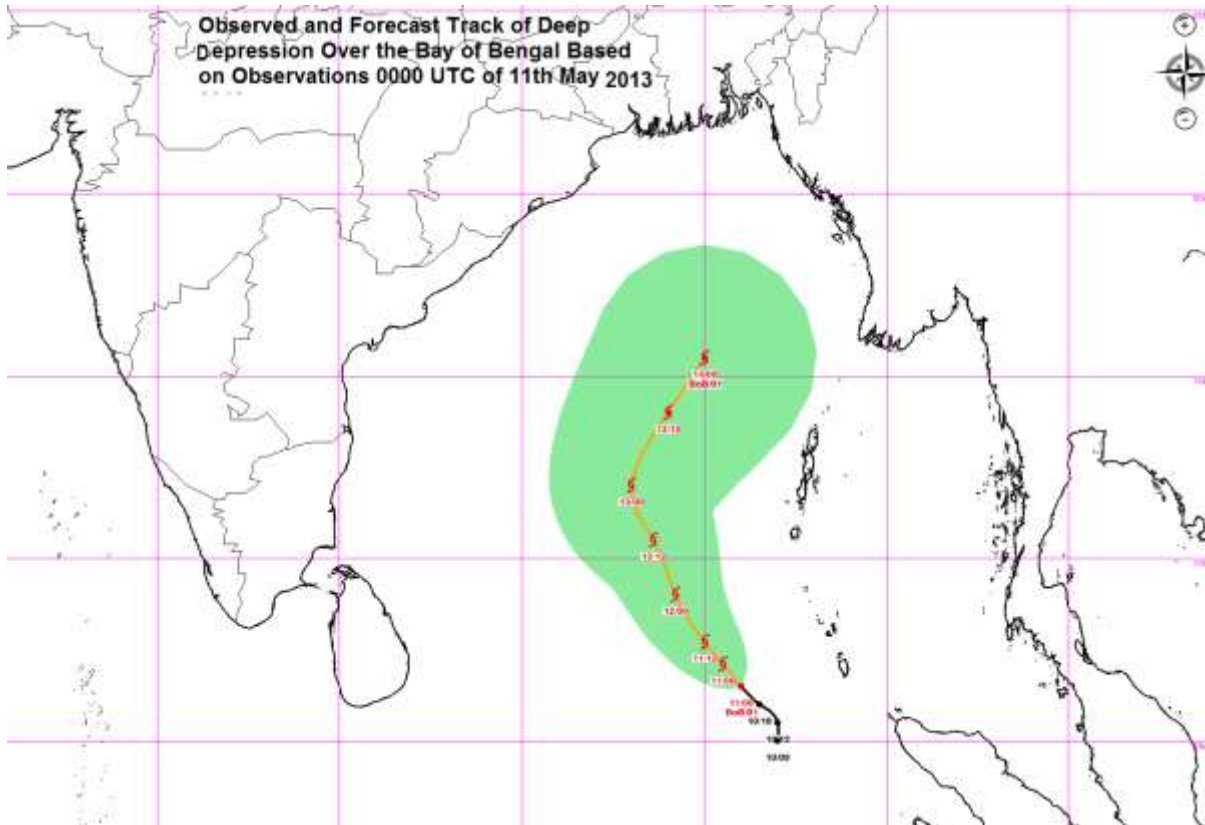
Squally winds speed reaching 55-65 kmph gusting to 75 kmph would prevail along and off Nicobar Islands during next 36 hours. Sea condition will be very rough to high along and off Nicobar Islands during this period.

Fishermen of Nicobar Islands are advised not to venture into the sea during next 48 hrs.

The next bulletin will be issued at 1130 hrs IST of today, the 11th May, 2013.

(Naresh Kumar)
Meteorologist

CC: DDGM (WF) Pune/ ACWC Kolkata/ACWC Chennai/ CWC
Visakhapatnam/Bhubaneswar/Command MO Mumbai (022-22630084) /Command MO
Visakhapatnam (0891-2709086)/ MO Port Blair (03192-229480.





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To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
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CHIEF SECRETARY, GOVT. OF PUDUCHERRY (FAX NO. 0413-2337575)
CHIEF SECRETARY, GOVT OF ANDHRA PRADESH (FAX No. 040-23453700)

Time of issue: 1030 hours IST

Dated: 11-05-2013

Bulletin No.: BOB 01/2013/05

Sub: Cyclonic Storm, VIYARU over southeast Bay of Bengal

The deep depression over southeast Bay of Bengal moved northwestwards, intensified into a cyclonic storm, VIYARU and lay centred at 0830 hrs IST of 11th May 2013 near latitude 07.0° N and longitude 90.5° E, about 350 km southwest of Car Nicobar, 1030 km east-southeast of Trincomalee, 1300 km southeast of Chennai and 1700 km south-southwest of Chittagong. The system would intensify further into a severe cyclonic storm during next 24 hours. It would move initially northwestwards during next 36 hours and recurve thereafter northeastwards towards Bangladesh-Myanmar coast.

Based on latest analysis with NWP models and other conventional techniques, estimated track and intensity of the system are given in the Table below:

Date/Time(IST)	Position (Lat. °N/ Long. °E)	Sustained maximum surface wind speed (kmph)	Category
11-05-2013/0830	07.0/90.5	60-70gusting to 80	Cyclonic Storm
11-05-2013/1130	07.3/90.2	65-75 gusting to 85	Cyclonic Storm
11-05-2013/1730	07.8/89.7	70-80 gusting to 90	Cyclonic Storm
11-05-2013/2330	08.3/89.2	80-90 gusting to 100	Cyclonic Storm
12-05-2013/0530	09.0/88.7	90-100 gusting to 110	Severe Cyclonic Storm
12-05-2013/1730	10.5/87.5	100-110 gusting to 120	Severe Cyclonic Storm
13-05-2013/0530	12.0/86.7	110-120 gusting to 130	Severe Cyclonic Storm
13-05-2013/1730	13.5/87.5	120-130 gusting to 145	Very severe Cyclonic Storm
14-05-2013/0530	15.5/88.3	120-130 gusting to 145	Very severe Cyclonic Storm
15-05-2013/0530	18.5/89.5	120-130 gusting to 145	Very severe Cyclonic Storm
16-05-2013/0530	21.5/92.5	120-130 gusting to 145	Very severe Cyclonic Storm

Under the influence of this system, rainfall at many places with isolated heavy to very heavy falls would occur over Andaman and Nicobar Islands during next 48 hrs.

Squally winds speed reaching 55-65 kmph gusting to 75 kmph would prevail along and off Nicobar Islands during next 48 hours. Sea condition will be very rough to high along and off Nicobar Islands during this period.

Fishermen of Nicobar Islands are advised not to venture into the sea during next 48 hrs.

The next bulletin will be issued at 1430 hrs IST of today, the 11th May, 2013.

(M. MOHAPATRA)
SCIENTIST-E

CC: DDGM (WF) Pune/ ACWC Kolkata/ACWC Chennai/ CWC
Visakhapatnam/Bhubaneswar/Command MO Mumbai (022-22630084) /Command MO
Visakhapatnam (0891-2709086)/ MO Port Blair (03192-229480).



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CHIEF SECRETARY, GOVT OF ANDHRA PRADESH (FAX No. 040-23453700)

Time of issue: 1330 hours IST

Dated: 11-05-2013

Bulletin No.: BOB 01/2013/06

Sub: Cyclonic Storm, VIYARU over southeast Bay of Bengal

The cyclonic storm VIYARU over southeast Bay of Bengal moved northwestwards at a speed of 15 kmph and lay centred at 1130 hrs IST of 11th May 2013 near latitude 07.5⁰ N and longitude 90.0⁰ E, about 350 km southwest of Car Nicobar, 970 km east-southeast of Trincomalee, 1230 km southeast of Chennai and 1650 km south-southwest of Chittagong. The system would intensify further into a severe cyclonic storm during next 24 hours. It would move initially northwestwards during next 36 hours and recurve thereafter northeastwards towards Bangladesh-Myanmar coast.

Based on latest analysis with NWP models and other conventional techniques, estimated track and intensity of the system are given in the Table below:

Date/Time(IST)	Position (Lat. ⁰ N/ Long. ⁰ E)	Sustained maximum surface wind speed (kmph)	Category
11-05-2013/1130	07.5/90.0	65-75 gusting to 85	Cyclonic Storm
11-05-2013/1730	08.0/89.5	70-80 gusting to 90	Cyclonic Storm
11-05-2013/2330	08.5/89.0	80-90 gusting to 100	Cyclonic Storm
12-05-2013/0530	09.0/88.5	90-100 gusting to 110	Severe Cyclonic Storm
12-05-2013/1130	09.7/88.0	90-100 gusting to 110	Severe Cyclonic Storm
12-05-2013/2330	11.3/87.2	100-110 gusting to 120	Severe Cyclonic Storm
13-05-2013/1130	12.8/86.5	110-120 gusting to 130	Severe Cyclonic Storm
13-05-2013/2330	14.5/87.2	120-130 gusting to 145	Very severe Cyclonic Storm
14-05-2013/1130	16.5/88.0	120-130 gusting to 145	Very severe Cyclonic Storm
15-05-2013/1130	19.0/89.5	120-130 gusting to 145	Very severe Cyclonic Storm
16-05-2013/1130	21.5/92.0	120-130 gusting to 145	Very severe Cyclonic Storm

Under the influence of this system, rainfall at many places with isolated heavy to very heavy falls would occur over Andaman and Nicobar Islands during next 48 hrs.

Squally winds speed reaching 55-65 kmph gusting to 75 kmph would prevail along and off Nicobar Islands during next 48 hours. Sea condition will be very rough to high along and off Nicobar Islands during this period.

Fishermen of Nicobar Islands are advised not to venture into the sea during next 48 hrs.

The next bulletin will be issued at 2030 hrs IST of today, the 11th May, 2013.

(M. MOHAPATRA)
SCIENTIST-E

CC: DDGM (WF) Pune/ ACWC Kolkata/ACWC Chennai/ CWC
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CHIEF SECRETARY, GOVT OF ANDHRA PRADESH (FAX No. 040-23453700)

Time of issue: 1900 hours IST

Dated: 11-05-2013

Bulletin No.: BOB 01/2013/07

Sub: Cyclonic Storm, VIYARU over southeast Bay of Bengal

The cyclonic storm VIYARU over southeast Bay of Bengal moved northwestwards at a speed of 15 kmph and lay centred at 1730 hrs IST of 11th May 2013 near latitude 08.0^o N and longitude 89.5^o E, about 400 km southwest of Car Nicobar, 900 km east-southeast of Trincomalee, 1150 km southeast of Chennai and 1600 km south-southwest of Chittagong. The system would intensify further into a severe cyclonic storm during next 24 hours. It would move initially northwestwards during next 36 hours and recurve thereafter northeastwards towards Bangladesh-Myanmar coast.

Based on latest analysis with NWP models and other conventional techniques, estimated track and intensity of the system are given in the Table below:

Date/Time(IST)	Position (Lat. ^o N/ Long. ^o E)	Sustained maximum surface wind speed (kmph)	Category
11-05-2013/1730	08.0/89.5	65-75 gusting to 85	Cyclonic Storm
11-05-2013/2330	08.8/88.7	70-80gusting to 90	Cyclonic Storm
12-05-2013/0530	09.6/88.1	80-90 gusting to 100	Cyclonic Storm
12-05-2013/1130	10.3/87.4	90-100 gusting to 110	Severe Cyclonic Storm
12-05-2013/1730	11.0/86.7	90-100 gusting to 110	Severe Cyclonic Storm
13-05-2013/0530	12.5/86.0	100-110 gusting to 120	Severe Cyclonic Storm
13-05-2013/1730	13.5/86.2	100-110 gusting to 120	Severe Cyclonic Storm
14-05-2013/0530	15.0/86.7	110-120 gusting to 130	Severe Cyclonic Storm
14-05-2013/1730	16.5/87.5	110-120 gusting to 130	Severe Cyclonic Storm
15-05-2013/0530	18.5/89.0	110-120 gusting to 130	Severe Cyclonic Storm
15-05-2013/1730	20.5/90.5	110-120 gusting to 130	Severe Cyclonic Storm
16-05-2013/0530	22.0/92.0	110-120 gusting to 130	Severe Cyclonic Storm
16-05-2013/1730	24.0/94.0	55-65 gusting to 75	Deep Depression

Under the influence of this system, rainfall at many places with isolated heavy to very heavy falls would occur over Andaman and Nicobar Islands during next 48 hrs.

Squally winds speed reaching 55-65 kmph gusting to 75 kmph would prevail along and off Nicobar Islands during next 48 hours. Sea condition will be very rough to high along and off Nicobar Islands during this period.

Fishermen of Nicobar Islands are advised not to venture into the sea during next 48 hrs.

The next bulletin will be issued at 0230 hrs IST of today, the 12th May, 2013.

(M. MOHAPATRA)
SCIENTIST-E

CC: DDGM (WF) Pune/ ACWC Kolkata/ACWC Chennai/ CWC
Visakhapatnam/Bhubaneswar/Command MO Mumbai (022-22630084) /Command MO
Visakhapatnam (0891-2709086)/ MO Port Blair (03192-229480).



भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

FAX MESSAGE

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24699216/24623220)

**To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
CONTROL ROOM NDMA (FAX.NO.26701729)**

**CABINET SECRETARIAT, (KIND ATTN SHRI TARA DUTT , JOINT SECRETARY)
(FAX.NO.23793144)**

**PS TO HON'BLE MINISTER FOR SCIENCE AND TECHNOLOGY AND EARTH SCIENCES (FAX
NO.23316745)**

SECRETARY, MoES, (Fax No. 24629777)

SECRETARY, DST (Fax No. 26863847/-2418)

H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147)

DIRECTOR GENERAL, DOORDARSHAN (23385843)

DIRECTOR GENERAL, AIR (25843825)

PIB MoES (FAX NO. 23389042)

D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)

DIRECTOR OF PUNCTUALITY, INDIAN RAILWAYS (FAX NO. 23388503)

CHIEF SECRETARY, GOVT. OF ANDAMAN & NICOBAR ISLAND (FAX NO. 03192-232656)

CHIEF SECRETARY, GOVT. OF TAMIL NADU (FAX NO. 044-25672304)

CHIEF SECRETARY, GOVT. OF PUDUCHERRY (FAX NO. 0413-2337575)

CHIEF SECRETARY, GOVT OF ANDHRA PRADESH (FAX No. 040-23453700)

Time of issue: 0230 hours IST

Dated: 12-05-2013

Bulletin No.: BOB 01/2013/08

Sub: Cyclonic Storm, VIYARU over southeast Bay of Bengal

The cyclonic storm VIYARU over southeast Bay of Bengal moved northwestwards and lay centred at 2330 hrs IST of 11th May 2013 near latitude 09.0° N and longitude 88.5° E, about 470 km west of Car Nicobar, 800 km east of Trincomalee, 1010 km southeast of Chennai and 1520 km south-southwest of Chittagong. The system would intensify further into a severe cyclonic storm during next 24 hours. It would move initially northwestwards during next 36 hours and recurve thereafter northeastwards towards Bangladesh-Myanmar coast.

Based on latest analysis with NWP models and other conventional techniques, estimated track and intensity of the system are given in the Table below:

Date/Time(IST)	Position (Lat. °N/ Long. °E)	Sustained maximum surface wind speed (kmph)	Category
11-05-2013/2330	09.0/88.5	70-80gusting to 90	Cyclonic Storm
12-05-2013/0530	09.5/87.0	80-90 gusting to 100	Cyclonic Storm
12-05-2013/1130	10.0/86.5	80-90 gusting to 100	Cyclonic Storm
12-05-2013/1730	10.5/86.0	80-90 gusting to 110	Cyclonic Storm
12-05-2013/2330	11.5/85.8	90-100 gusting to 110	Severe Cyclonic Storm
13-05-2013/1130	12.5/85.6	100-110 gusting to 120	Severe Cyclonic Storm
13-05-2013/2330	14.5/85.8	100-110 gusting to 120	Severe Cyclonic Storm
14-05-2013/1130	15.0/86.0	110-120 gusting to 130	Severe Cyclonic Storm
14-05-2013/2330	17.0/86.8	110-120 gusting to 130	Severe Cyclonic Storm
15-05-2013/1130	18.5/87.8	110-120 gusting to 130	Severe Cyclonic Storm
15-05-2013/2330	21.5/90.5	110-120 gusting to 130	Severe Cyclonic Storm
16-05-2013/1130	22.5/91.5	110-120 gusting to 130	Severe Cyclonic Storm

Under the influence of this system, rainfall at many places with isolated heavy to very heavy falls would occur over Andaman and Nicobar Islands during next 48 hrs.

Squally winds speed reaching 55-65 kmph gusting to 75 kmph would prevail along and off Nicobar Islands during next 48 hours. Sea condition will be very rough to high along and off Nicobar Islands during this period.

Fishermen of Nicobar Islands are advised not to venture into the sea during next 48 hrs.

The next bulletin will be issued at 0830 hrs IST of today, the 12th May, 2013.

(T.N.JHA)
SCIENTIST-E

CC: DDGM (WF) Pune/ ACWC Kolkata/ACWC Chennai/ CWC
Visakhapatnam/Bhubaneswar/Command MO Mumbai (022-22630084) /Command MO
Visakhapatnam (0891-2709086)/ MO Port Blair (03192-229480).



भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

FAX MESSAGE

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24699216/24623220)

**To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
CONTROL ROOM NDMA (FAX.NO.26701729)**

**CABINET SECRETARIAT, (KIND ATTN SHRI TARA DUTT , JOINT SECRETARY)
(FAX.NO.23793144)**

**PS TO HON'BLE MINISTER FOR SCIENCE AND TECHNOLOGY AND EARTH SCIENCES (FAX
NO.23316745)**

SECRETARY, MoES, (Fax No. 24629777)

SECRETARY, DST (Fax No. 26863847/-2418)

H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147)

DIRECTOR GENERAL, DOORDARSHAN (23385843)

DIRECTOR GENERAL, AIR (25843825)

PIB MoES (FAX NO. 23389042)

D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)

DIRECTOR OF PUNCTUALITY, INDIAN RAILWAYS (FAX NO. 23388503)

CHIEF SECRETARY, GOVT. OF ANDAMAN & NICOBAR ISLAND (FAX NO. 03192-232656)

CHIEF SECRETARY, GOVT. OF TAMIL NADU (FAX NO. 044-25672304)

CHIEF SECRETARY, GOVT. OF PUDUCHERRY (FAX NO. 0413-2337575)

CHIEF SECRETARY, GOVT OF ANDHRA PRADESH (FAX No. 040-23453700)

Time of issue: 0830 hours IST

Dated: 12-05-2013

Bulletin No.: BOB 01/2013/09

Sub: Cyclonic Storm, VIYARU over southeast Bay of Bengal

The cyclonic storm VIYARU over southeast Bay of Bengal moved northwestwards and lay centred at 0530 hrs IST of 12th May 2013 near latitude 10.0^o N and longitude 87.5^o E, about 600 km west-southwest of Car Nicobar, 700 km northeast of Trincomalee, 850 km southeast of Chennai and 1450 km south-southwest of Chittagong. It would move initially northwestwards during next 36 hours and recurve thereafter northeastwards towards Bangladesh-Myanmar coast. Latest satellite imagery shows disorganisation of cloud mass and weakening of the system.

Based on latest analysis with NWP models and other conventional techniques, estimated track and intensity of the system are given in the Table below:

Date/Time(IST)	Position (Lat. ^o N/ Long. ^o E)	Sustained maximum surface wind speed (kmph)	Category
12-05-2013/0530	10.0/87.5	65-75 gusting to 85	Cyclonic Storm
12-05-2013/1130	10.5/87.0	65-75 gusting to 85	Cyclonic Storm
12-05-2013/1730	11.0/86.5	65-75 gusting to 85	Cyclonic Storm
12-05-2013/2330	11.6/86.0	65-75 gusting to 85	Cyclonic Storm
13-05-2013/0530	12.3/85.8	65-75 gusting to 85	Cyclonic Storm
13-05-2013/1730	13.4/85.6	65-75 gusting to 85	Cyclonic Storm
14-05-2013/0530	15.2/86.0	65-75 gusting to 85	Cyclonic Storm
14-05-2013/1730	16.0/86.4	65-75 gusting to 85	Cyclonic Storm
15-05-2013/0530	18.0/87.5	65-75 gusting to 85	Cyclonic Storm
15-05-2013/1730	19.0/88.4	65-75 gusting to 85	Cyclonic Storm
16-05-2013/0530	20.8/89.8	65-75 gusting to 85	Cyclonic Storm
16-05-2013/1730	22.0/91.0	65-75 gusting to 85	Cyclonic Storm
17-05-2013/0530	22.5/92.5	50-60 gusting to 70	Deep Depression

Under the influence of this system, rainfall at many places with isolated heavy to very heavy falls would occur over Andaman and Nicobar Islands during next 48 hrs.

Squally winds speed reaching 55-65 kmph gusting to 75 kmph would prevail along and off Nicobar Islands during next 48 hours. Sea condition will be very rough to high along and off Nicobar Islands during this period.

Fishermen of Nicobar Islands are advised not to venture into the sea during next 48 hrs.

The next bulletin will be issued at 1130 hrs IST of today, the 12th May, 2013.

(T.N.JHA)
SCIENTIST-E

CC: DDGM (WF) Pune/ ACWC Kolkata/ACWC Chennai/ CWC
Visakhapatnam/Bhubaneswar/Command MO Mumbai (022-22630084) /Command MO
Visakhapatnam (0891-2709086)/ MO Port Blair (03192-229480).



भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

FAX MESSAGE

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
CONTROL ROOM NDMA (FAX.NO.26701729)

CABINET SECRETARIAT, (KIND ATTN SHRI TARA DUTT, JOINT SECRETARY)
(FAX.NO.23793144)

PS TO HON'BLE MINISTER FOR SCIENCE AND TECHNOLOGY AND EARTH SCIENCES (FAX NO.23316745)

SECRETARY, MoES, (Fax No. 24629777)

SECRETARY, DST (Fax No. 26863847/-2418)

H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147)

DIRECTOR GENERAL, DOORDARSHAN (23385843)

DIRECTOR GENERAL, AIR (25843825)

PIB MoES (FAX NO. 23389042)

D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)

DIRECTOR OF PUNCTUALITY, INDIAN RAILWAYS (FAX NO. 23388503)

CHIEF SECRETARY, GOVT. OF ANDAMAN & NICOBAR ISLAND (FAX NO. 03192-232656)

CHIEF SECRETARY, GOVT. OF TAMIL NADU (FAX NO. 044-25672304)

CHIEF SECRETARY, GOVT. OF PUDUCHERRY (FAX NO. 0413-2337575)

CHIEF SECRETARY, GOVT OF ANDHRA PRADESH (FAX No. 040-23453700)

Time of issue: 1000 hours IST

Dated: 12-05-2013

Bulletin No.: BOB 01/2013/10

Sub: Cyclonic Storm, VIYARU over southeast Bay of Bengal

The cyclonic storm VIYARU over southeast Bay of Bengal moved slightly northwestwards and lay centred at 0830 hrs IST of 12th May 2013 near latitude 10.0° N and longitude 87.5° E, about 600 km west-southwest of Car Nicobar, 700 km northeast of Trincomalee, 850 km southeast of Chennai and 1450 km south-southwest of Chittagong. It would move initially northwestwards during next 36 hours and recurve thereafter northeastwards towards Bangladesh-Myanmar coast. Latest satellite imagery shows disorganisation of cloud mass and weakening of the system.

Based on latest analysis with NWP models and other conventional techniques, estimated track and intensity of the system are given in the Table below:

Date/Time(IST)	Position (Lat. °N/ Long. °E)	Sustained maximum surface wind speed (kmph)	Category
12-05-2013/0830	10.0/87.5	65-75 gusting to 85	Cyclonic Storm
12-05-2013/1130	10.5/87.0	65-75 gusting to 85	Cyclonic Storm
12-05-2013/1730	11.0/86.5	65-75 gusting to 85	Cyclonic Storm
12-05-2013/2330	11.6/86.0	65-75 gusting to 85	Cyclonic Storm
13-05-2013/0530	12.3/85.8	65-75 gusting to 85	Cyclonic Storm
13-05-2013/1730	13.4/85.6	65-75 gusting to 85	Cyclonic Storm
14-05-2013/0530	15.2/86.0	65-75 gusting to 85	Cyclonic Storm
14-05-2013/1730	16.0/86.4	65-75 gusting to 85	Cyclonic Storm
15-05-2013/0530	18.0/87.5	65-75 gusting to 85	Cyclonic Storm
15-05-2013/1730	19.0/88.4	65-75 gusting to 85	Cyclonic Storm
16-05-2013/0530	20.8/89.8	65-75 gusting to 85	Cyclonic Storm
16-05-2013/1730	22.0/91.0	65-75 gusting to 85	Cyclonic Storm
17-05-2013/0530	22.5/92.5	50-60 gusting to 70	Deep Depression

Under the influence of this system, rainfall at many places with isolated heavy rainfall would occur over Andaman and Nicobar Islands during next 48 hrs.

Squally winds speed reaching 40-45 kmph gusting to 60 kmph would prevail along Andaman and Nicobar Islands during next 48 hours. Sea condition will be rough to very rough along and off Andaman and Nicobar Islands during this period.

Fishermen of Andaman and Nicobar Islands are advised not to venture into the sea during next 48 hrs.

The next bulletin will be issued at 1430 hrs IST of today, the 12th May, 2013.

(KAMALJIT RAY)
SCIENTIST-E

CC: DDGM (WF) Pune/ ACWC Kolkata/ACWC Chennai/ CWC
Visakhapatnam/Bhubaneswar/Command MO Mumbai (022-22630084) /Command MO
Visakhapatnam (0891-2709086)/ MO Port Blair (03192-229480).



भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

FAX MESSAGE

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24699216/24623220)

**To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
CONTROL ROOM NDMA (FAX.NO.26701729)**

**CABINET SECRETARIAT, (KIND ATTN SHRI TARA DUTT, JOINT SECRETARY)
(FAX.NO.23793144)**

**PS TO HON'BLE MINISTER FOR SCIENCE AND TECHNOLOGY AND EARTH SCIENCES (FAX
NO.23316745)**

SECRETARY, MoES, (Fax No. 24629777)

SECRETARY, DST (Fax No. 26863847/-2418)

H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147)

DIRECTOR GENERAL, DOORDARSHAN (23385843)

DIRECTOR GENERAL, AIR (25843825)

PIB MoES (FAX NO. 23389042)

D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)

DIRECTOR OF PUNCTUALITY, INDIAN RAILWAYS (FAX NO. 23388503)

CHIEF SECRETARY, GOVT. OF ANDAMAN & NICOBAR ISLAND (FAX NO. 03192-232656)

CHIEF SECRETARY, GOVT. OF TAMIL NADU (FAX NO. 044-25672304)

CHIEF SECRETARY, GOVT. OF PUDUCHERRY (FAX NO. 0413-2337575)

CHIEF SECRETARY, GOVT OF ANDHRA PRADESH (FAX No. 040-23453700)

Time of issue: 1300 hours IST

Dated: 12-05-2013

Bulletin No.: BOB 01/2013/11

Sub: Cyclonic Storm, VIYARU over southeast Bay of Bengal

The cyclonic storm VIYARU over southeast Bay of Bengal moved slightly westwards at a speed of 15kmph and lay centred at 1130 hrs IST of 12th May 2013 near latitude 10.0^o N and longitude 87.0^o E, about 650 km west-northwest of Car Nicobar, 650 km east-northeast of Trincomalee, 800 km southeast of Chennai and 1440 km south-southwest of Chittagong. It would move initially northwestwards during next 36 hours and recurve thereafter northeastwards towards Bangladesh-Myanmar coast.

Based on latest analysis with NWP models and other conventional techniques, estimated track and intensity of the system are given in the Table below:

Date/Time(IST)	Position (Lat. ^o N/ Long. ^o E)	Sustained maximum surface wind speed (kmph)	Category
12-05-2013/1130	10.0/87.0	65-75 gusting to 85	Cyclonic Storm
12-05-2013/1730	10.8/86.2	65-75 gusting to 85	Cyclonic Storm
12-05-2013/2330	11.5/85.6	65-75 gusting to 85	Cyclonic Storm
13-05-2013/0530	11.8/85.2	65-75 gusting to 85	Cyclonic Storm
13-05-2013/1130	12.4/85.2	65-75 gusting to 85	Cyclonic Storm
13-05-2013/2330	13.5/85.5	65-75 gusting to 85	Cyclonic Storm
14-05-2013/1130	14.7/86.2	65-75 gusting to 85	Cyclonic Storm
14-05-2013/2330	16.0/86.9	65-75 gusting to 85	Cyclonic Storm
15-05-2013/1130	17.5/87.7	65-75 gusting to 85	Cyclonic Storm
15-05-2013/2330	19.2/88.6	65-75 gusting to 85	Cyclonic Storm
16-05-2013/1130	20.7/90.0	65-75 gusting to 85	Cyclonic Storm
16-05-2013/2330	22.2/91.5	65-75 gusting to 85	Cyclonic Storm
17-05-2013/1130	23.7/93.0	50-60 gusting to 70	Deep Depression

Under the influence of this system, rainfall at many places with isolated heavy rainfall would occur over Andaman and Nicobar Islands during next 48 hrs.

Squally winds speed reaching 40-45 kmph gusting to 60 kmph would prevail along Andaman and Nicobar Islands during next 48 hours. Sea condition will be rough to very rough along and off Andaman and Nicobar Islands during this period.

Fishermen of Andaman and Nicobar Islands are advised not to venture into the sea during next 48 hrs.

The next bulletin will be issued at 2030 hrs IST of today, the 12th May, 2013.

(KAMALJIT RAY)
SCIENTIST-E

CC: DDGM (WF) Pune/ ACWC Kolkata/ACWC Chennai/ CWC
Visakhapatnam/Bhubaneswar/Command MO Mumbai (022-22630084) /Command MO
Visakhapatnam (0891-2709086)/ MO Port Blair (03192-229480).



भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

FAX MESSAGE

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
CONTROL ROOM NDMA (FAX.NO.26701729)
CABINET SECRETARIAT, (KIND ATTN SHRI TARA DUTT, JOINT SECRETARY)
(FAX.NO.23793144)
PS TO HON'BLE MINISTER FOR SCIENCE AND TECHNOLOGY AND EARTH SCIENCES (FAX NO.23316745)
SECRETARY, MoES, (Fax No. 24629777)
SECRETARY, DST (Fax No. 26863847/-2418)
H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147)
DIRECTOR GENERAL, DOORDARSHAN (23385843)
DIRECTOR GENERAL, AIR (25843825)
PIB MoES (FAX NO. 23389042)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)
DIRECTOR OF PUNCTUALITY, INDIAN RAILWAYS (FAX NO. 23388503)
CHIEF SECRETARY, GOVT. OF ANDAMAN & NICOBAR ISLAND (FAX NO. 03192-232656)
CHIEF SECRETARY, GOVT. OF TAMIL NADU (FAX NO. 044-25672304)
CHIEF SECRETARY, GOVT. OF PUDUCHERRY (FAX NO. 0413-2337575)
CHIEF SECRETARY, GOVT OF ANDHRA PRADESH (FAX No. 040-23453700)

Time of issue: 1900 hours IST

Dated: 12-05-2013

Bulletin No.: BOB 01/2013/12

Sub: Cyclonic Storm, VIYARU over southeast Bay of Bengal

The cyclonic storm VIYARU over southeast Bay of Bengal moved northwards at a speed of about 10 kmph during past 6 hrs and lay centred at 1730 hrs IST of 12th May 2013 near latitude 10.5^o N and longitude 87.0^o E, about 650 km west-northwest of Car Nicobar, 650 km east-northeast of Trincomalee, 800 km southeast of Chennai and 1410 km south-southwest of Chittagong. It would move initially northwestwards during next 24 hours and recurve thereafter northeastwards towards Bangladesh-Myanmar coast.

Based on latest analysis with NWP models and other conventional techniques, estimated track and intensity of the system are given in the Table below:

Date/Time(IST)	Position (Lat. ^o N/ Long. ^o E)	Sustained maximum surface wind speed (kmph)	Category
12-05-2013/1730	10.5/87.0	65-75 gusting to 85	Cyclonic Storm
12-05-2013/2330	10.8/86.5	65-75 gusting to 85	Cyclonic Storm
13-05-2013/0530	11.2/86.2	65-75 gusting to 85	Cyclonic Storm
13-05-2013/1130	11.5/86.2	65-75 gusting to 85	Cyclonic Storm
13-05-2013/1730	12.0/86.4	65-75 gusting to 85	Cyclonic Storm
14-05-2013/0530	13.5/87.0	65-75 gusting to 85	Cyclonic Storm
14-05-2013/1730	15.1/87.6	65-75 gusting to 85	Cyclonic Storm
15-05-2013/0530	16.8/88.4	65-75 gusting to 85	Cyclonic Storm
15-05-2013/1730	18.4/89.4	65-75 gusting to 85	Cyclonic Storm
16-05-2013/0530	19.6/90.6	65-75 gusting to 85	Cyclonic Storm
16-05-2013/1730	21.0/92.0	50-60 gusting to 70	Deep Depression
17-05-2013/0530	23.2/93.8	50-60 gusting to 70	Deep Depression

Under the influence of this system, rainfall at many places with isolated heavy rainfall would occur over Andaman and Nicobar Islands during next 48 hrs.

Squally winds speed reaching 40-45 kmph gusting to 60 kmph would prevail along Andaman and Nicobar Islands during next 48 hours. Sea condition will be rough to very rough along and off Andaman and Nicobar Islands during this period.

Fishermen of Andaman and Nicobar Islands are advised not to venture into the sea during next 48 hrs.

The next bulletin will be issued at 0230 hrs IST of tomorrow the 13th May, 2013.

(KAMALJIT RAY)
SCIENTIST-E

CC: DDGM (WF) Pune/ ACWC Kolkata/ACWC Chennai/ CWC
Visakhapatnam/Bhubaneswar/Command MO Mumbai (022-22630084) /Command MO
Visakhapatnam (0891-2709086)/ MO Port Blair (03192-229480).



भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

FAX MESSAGE

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
CONTROL ROOM NDMA (FAX.NO.26701729)
CABINET SECRETARIAT, (KIND ATTN SHRI TARA DUTT, JOINT SECRETARY)
(FAX.NO.23793144)
PS TO HON'BLE MINISTER FOR SCIENCE AND TECHNOLOGY AND EARTH SCIENCES (FAX NO.23316745)
SECRETARY, MoES, (Fax No. 24629777)
SECRETARY, DST (Fax No. 26863847/-2418)
H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147)
DIRECTOR GENERAL, DOORDARSHAN (23385843)
DIRECTOR GENERAL, AIR (25843825)
PIB MoES (FAX NO. 23389042)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)
DIRECTOR OF PUNCTUALITY, INDIAN RAILWAYS (FAX NO. 23388503)
CHIEF SECRETARY, GOVT. OF ANDAMAN & NICOBAR ISLAND (FAX NO. 03192-232656)
CHIEF SECRETARY, GOVT. OF TAMIL NADU (FAX NO. 044-25672304)
CHIEF SECRETARY, GOVT. OF PUDUCHERRY (FAX NO. 0413-2337575)
CHIEF SECRETARY, GOVT OF ANDHRA PRADESH (FAX No. 040-23453700)

Time of issue: 0230 hours IST

Dated: 13-05-2013

Bulletin No.: BOB 01/2013/13

Sub: Cyclonic Storm, VIYARU over southeast Bay of Bengal

The cyclonic storm VIYARU over southeast Bay of Bengal moved northwards at a speed of about 12 kmph during past 6 hrs and lay centred at 2330 hrs IST of 12th May 2013 near latitude 11.0^o N and longitude 86.5^o E, about 700 km northwest of Car Nicobar, 630 km northeast of Trincomalee, 720 km southeast of Chennai and 1380 km south-southwest of Chittagong. It would move initially northwards during next 18 hours and recurve thereafter northeastwards towards Bangladesh-Myanmar coast.

Based on latest analysis with NWP models and other conventional techniques, estimated track and intensity of the system are given in the Table below:

Date/Time(IST)	Position (Lat. ^o N/ Long. ^o E)	Sustained maximum surface wind speed (kmph)	Category
12-05-2013/2330	11.0/86.5	65-75 gusting to 85	Cyclonic Storm
13-05-2013/0530	11.2/86.2	65-75 gusting to 85	Cyclonic Storm
13-05-2013/1130	11.8/86.2	65-75 gusting to 85	Cyclonic Storm
13-05-2013/1730	12.6/86.3	65-75 gusting to 85	Cyclonic Storm
13-05-2013/2330	13.8/86.5	65-75 gusting to 85	Cyclonic Storm
14-05-2013/1130	14.5/87.0	65-75 gusting to 85	Cyclonic Storm
14-05-2013/2330	16.4/87.5	65-75 gusting to 85	Cyclonic Storm
15-05-2013/1130	17.4/87.8	65-75 gusting to 85	Cyclonic Storm
15-05-2013/2330	19.4/90.0	65-75 gusting to 85	Cyclonic Storm
16-05-2013/1130	20.5/91.0	60-70 gusting to 80	Cyclonic Storm
16-05-2013/2330	21.8/92.6	50-60 gusting to 70	Deep Depression
17-05-2013/1130	22.5/94.0	40-50 gusting to 60	Depression

Under the influence of this system, rainfall at many places with isolated heavy rainfall would occur over Andaman and Nicobar Islands during next 48 hrs.

Squally winds speed reaching 40-45 kmph gusting to 60 kmph would prevail along Andaman and Nicobar Islands during next 48 hours. Sea condition will be rough to very rough along and off Andaman and Nicobar Islands during this period.

Fishermen of Andaman and Nicobar Islands are advised not to venture into the sea during next 48 hrs.

The next bulletin will be issued at 0830 hrs IST of the 13th May, 2013.

(T.N.JHA)
SCIENTIST-E

CC: DDGM (WF) Pune/ ACWC Kolkata/ACWC Chennai/ CWC
Visakhapatnam/Bhubaneswar/Command MO Mumbai (022-22630084) /Command MO
Visakhapatnam (0891-2709086)/ MO Port Blair (03192-229480).



भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

FAX MESSAGE

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
CONTROL ROOM NDMA (FAX.NO.26701729)
CABINET SECRETARIAT, (KIND ATTN SHRI TARA DUTT, JOINT SECRETARY)
(FAX.NO.23793144)
PS TO HON'BLE MINISTER FOR SCIENCE AND TECHNOLOGY AND EARTH SCIENCES (FAX NO.23316745)
SECRETARY, MoES, (Fax No. 24629777)
SECRETARY, DST (Fax No. 26863847/-2418)
H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147)
DIRECTOR GENERAL, DOORDARSHAN (23385843)
DIRECTOR GENERAL, AIR (25843825)
PIB MoES (FAX NO. 23389042)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)
DIRECTOR OF PUNCTUALITY, INDIAN RAILWAYS (FAX NO. 23388503)
CHIEF SECRETARY, GOVT. OF ANDAMAN & NICOBAR ISLAND (FAX NO. 03192-232656)
CHIEF SECRETARY, GOVT. OF TAMIL NADU (FAX NO. 044-25672304)
CHIEF SECRETARY, GOVT. OF PUDUCHERRY (FAX NO. 0413-2337575)
CHIEF SECRETARY, GOVT OF ANDHRA PRADESH (FAX No. 040-23453700)

Time of issue: 0800 hours IST

Dated: 13-05-2013

Bulletin No.: BOB 01/2013/14

Sub: Cyclonic Storm, VIYARU over southeast Bay of Bengal

The cyclonic storm VIYARU over southeast Bay of Bengal moved northwards with a speed of 10 kmph during past 6 hrs and lay centred at 0530 hrs IST of 13th May 2013 near latitude 11.5^o N and longitude 86.5^o E, about 750 km northwest of Car Nicobar, 650 km northeast of Trincomalee, 700 km southeast of Chennai and 1330 km south-southwest of Chittagong. It would move initially north-northwards during next 12 hours and recurve thereafter northeastwards towards Bangladesh-Myanmar coast.

Based on latest analysis with NWP models and other conventional techniques, estimated track and intensity of the system are given in the Table below:

Date/Time(IST)	Position (Lat. ^o N/ Long. ^o E)	Sustained maximum surface wind speed (kmph)	Category
13-05-2013/0530	11.5/86.5	65-75 gusting to 85	Cyclonic Storm
13-05-2013/1130	11.8 /86.3	65-75 gusting to 85	Cyclonic Storm
13-05-2013/1730	12.7/86.3	65-75 gusting to 85	Cyclonic Storm
13-05-2013/2330	13.5/86.7	65-75 gusting to 85	Cyclonic Storm
14-05-2013/0530	14.5/86.8	65-75 gusting to 85	Cyclonic Storm
14-05-2013/1730	16.0/87.5	65-75 gusting to 85	Cyclonic Storm
15-05-2013/0530	17.4/88.2	65-75 gusting to 85	Cyclonic Storm
15-05-2013/1730	18.5/89.0	65-75 gusting to 85	Cyclonic Storm
16-05-2013/0530	20.0/90.0	65-75 gusting to 85	Cyclonic Storm
16-05-2013/1730	20.4/91.5	60-70 gusting to 80	Cyclonic Storm
17-05-2013/0530	22.5/93.0	50-60 gusting to 70	Deep Depression

Under the influence of this system, rainfall at many places with isolated heavy rainfall would occur over Andaman and Nicobar Islands during next 48 hrs.

Squally winds speed reaching 40-45 kmph gusting to 60 kmph would prevail along Andaman and Nicobar Islands during next 48 hours. Sea condition will be rough to very rough along and off Andaman and Nicobar Islands during this period.

Fishermen of Andaman and Nicobar Islands are advised not to venture into the sea during next 48 hrs.

The next bulletin will be issued at 1130 hrs IST of the 13th May, 2013.

(T.N.JHA)
SCIENTIST-E

CC: DDGM (WF) Pune/ ACWC Kolkata/ACWC Chennai/ CWC
Visakhapatnam/Bhubaneswar/Command MO Mumbai (022-22630084) /Command MO
Visakhapatnam (0891-2709086)/ MO Port Blair (03192-229480).



भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

FAX MESSAGE

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
CONTROL ROOM NDMA (FAX.NO.26701729)
CABINET SECRETARIAT, (KIND ATTN SHRI TARA DUTT, JOINT SECRETARY)
(FAX.NO.23793144)
PS TO HON'BLE MINISTER FOR SCIENCE AND TECHNOLOGY AND EARTH SCIENCES (FAX
NO.23316745)
SECRETARY, MoES, (Fax No. 24629777)
SECRETARY, DST (Fax No. 26863847/-2418)
H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147)
DIRECTOR GENERAL, DOORDARSHAN (23385843)
DIRECTOR GENERAL, AIR (25843825)
PIB MoES (FAX NO. 23389042)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)
DIRECTOR OF PUNCTUALITY, INDIAN RAILWAYS (FAX NO. 23388503)
CHIEF SECRETARY, GOVT. OF ANDAMAN & NICOBAR ISLAND (FAX NO. 03192-232656)
CHIEF SECRETARY, GOVT. OF TAMIL NADU (FAX NO. 044-25672304)
CHIEF SECRETARY, GOVT. OF PUDUCHERRY (FAX NO. 0413-2337575)
CHIEF SECRETARY, GOVT OF ANDHRA PRADESH (FAX No. 040-23453700)

Time of issue: 0900 hours IST

Dated: 13-05-2013

Bulletin No.: BOB 01/2013/14 (corrected)

Sub: Cyclonic Storm, VIYARU over southeast Bay of Bengal

The cyclonic storm VIYARU over southeast Bay of Bengal moved northwards with a speed of 10 kmph during past 6 hrs and lay centred at 0530 hrs IST of 13th May 2013 near latitude 11.5^o N and longitude 86.5^o E, about 750 km northwest of Car Nicobar, 650 km northeast of Trincomalee, 700 km southeast of Chennai and 1330 km south-southwest of Chittagong. It would move initially north-northwestwards during next 12 hours and thereafter northeastwards towards Bangladesh-Myanmar coast.

Based on latest analysis with NWP models and other conventional techniques, estimated track and intensity of the system are given in the Table below:

Date/Time(IST)	Position (Lat. ^o N/ Long. ^o E)	Sustained maximum surface wind speed (kmph)	Category
13-05-2013/0530	11.5/86.5	65-75 gusting to 85	Cyclonic Storm
13-05-2013/1130	11.8 /86.3	65-75 gusting to 85	Cyclonic Storm
13-05-2013/1730	12.7/86.3	65-75 gusting to 85	Cyclonic Storm
13-05-2013/2330	13.5/86.7	65-75 gusting to 85	Cyclonic Storm
14-05-2013/0530	14.5/86.8	65-75 gusting to 85	Cyclonic Storm
14-05-2013/1730	16.0/87.5	65-75 gusting to 85	Cyclonic Storm
15-05-2013/0530	17.4/88.2	65-75 gusting to 85	Cyclonic Storm
15-05-2013/1730	18.5/89.0	65-75 gusting to 85	Cyclonic Storm
16-05-2013/0530	20.0/90.0	65-75 gusting to 85	Cyclonic Storm
16-05-2013/1730	20.4/91.5	60-70 gusting to 80	Cyclonic Storm
17-05-2013/0530	22.5/93.0	50-60 gusting to 70	Deep Depression

Under the influence of this system, rainfall at many places with isolated heavy rainfall would occur over Andaman and Nicobar Islands during next 48 hrs.

Squally winds speed reaching 40-45 kmph gusting to 60 kmph would prevail along Andaman and Nicobar Islands during next 48 hours. Sea condition will be rough to very rough along and off Andaman and Nicobar Islands during this period.

Fishermen of Andaman and Nicobar Islands are advised not to venture into the sea during next 48 hrs.

The next bulletin will be issued at 1130 hrs IST of the 13th May, 2013.

(KAMALJIT RAY)
SCIENTIST-E

CC: DDGM (WF) Pune/ ACWC Kolkata/ACWC Chennai/ CWC
Visakhapatnam/Bhubaneswar/Command MO Mumbai (022-22630084) /Command MO
Visakhapatnam (0891-2709086)/ MO Port Blair (03192-229480).



भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

FAX MESSAGE

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
CONTROL ROOM NDMA (FAX.NO.26701729)
CABINET SECRETARIAT, (KIND ATTN SHRI TARA DUTT, JOINT SECRETARY)
(FAX.NO.23793144)
PS TO HON'BLE MINISTER FOR SCIENCE AND TECHNOLOGY AND EARTH SCIENCES (FAX NO.23316745)
SECRETARY, MoES, (Fax No. 24629777)
SECRETARY, DST (Fax No. 26863847/-2418)
H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147)
DIRECTOR GENERAL, DOORDARSHAN (23385843)
DIRECTOR GENERAL, AIR (25843825)
PIB MoES (FAX NO. 23389042)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)
DIRECTOR OF PUNCTUALITY, INDIAN RAILWAYS (FAX NO. 23388503)
CHIEF SECRETARY, GOVT. OF ANDAMAN & NICOBAR ISLAND (FAX NO. 03192-232656)
CHIEF SECRETARY, GOVT. OF TAMIL NADU (FAX NO. 044-25672304)
CHIEF SECRETARY, GOVT. OF PUDUCHERRY (FAX NO. 0413-2337575)
CHIEF SECRETARY, GOVT OF ANDHRA PRADESH (FAX No. 040-23453700)

Time of issue: 1100 hours IST

Dated: 13-05-2013

Bulletin No.: BOB 01/2013/15

Sub: Cyclonic Storm, VIYARU over southeast Bay of Bengal

The cyclonic storm VIYARU over southeast Bay of Bengal moved slightly north-westwards with a speed of 10 kmph during past 3 hrs and lay centred at 0830 hrs IST of 13th May 2013 near latitude 11.8^o N and longitude 86.4^o E, about 760 km northwest of Car Nicobar, 670 km northeast of Trincomalee, 690 km southeast of Chennai and 1300 km south-southwest of Chittagong. It would move initially north-northwestwards during next 12 hours and thereafter recurve towards Bangladesh-Myanmar coast.

Based on latest analysis with NWP models and other conventional techniques, estimated track and intensity of the system are given in the Table below:

Date/Time(IST)	Position (Lat. ^o N/ Long. ^o E)	Sustained maximum surface wind speed (kmph)	Category
13-05-2013/0830	11.8/86.4	65-75 gusting to 85	Cyclonic Storm
13-05-2013/1130	12.0/86.2	65-75 gusting to 85	Cyclonic Storm
13-05-2013/1730	12.7/86.2	65-75 gusting to 85	Cyclonic Storm
13-05-2013/2330	13.5/86.7	65-75 gusting to 85	Cyclonic Storm
14-05-2013/0530	14.5/86.8	65-75 gusting to 85	Cyclonic Storm
14-05-2013/1730	16.0/87.5	65-75 gusting to 85	Cyclonic Storm
15-05-2013/0530	17.4/88.2	65-75 gusting to 85	Cyclonic Storm
15-05-2013/1730	18.5/89.0	65-75 gusting to 85	Cyclonic Storm
16-05-2013/0530	20.0/90.0	65-75 gusting to 85	Cyclonic Storm
16-05-2013/1730	20.4/91.5	60-70 gusting to 80	Cyclonic Storm
17-05-2013/0530	22.5/93.0	50-60 gusting to 70	Deep Depression

Under the influence of this system, rainfall at many places with isolated heavy rainfall would occur over Andaman and Nicobar Islands during next 48 hrs.

Squally winds speed reaching 40-45 kmph gusting to 60 kmph would prevail along Andaman and Nicobar Islands during next 48 hours. Sea condition will be rough to very rough along and off Andaman and Nicobar Islands during this period.

Fishermen of Andaman and Nicobar Islands are advised not to venture into the sea during next 48 hrs.

The next bulletin will be issued at 1430 hrs IST of the 13th May, 2013.

(KAMALJIT RAY)
SCIENTIST-E

CC: DDGM (WF) Pune/ ACWC Kolkata/ACWC Chennai/ CWC
Visakhapatnam/Bhubaneswar/Command MO Mumbai (022-22630084) /Command MO
Visakhapatnam (0891-2709086)/ MO Port Blair (03192-229480).



भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

FAX MESSAGE

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24699216/24623220)

**To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
CONTROL ROOM NDMA (FAX.NO.26701729)**

**CABINET SECRETARIAT, (KIND ATTN SHRI TARA DUTT, JOINT SECRETARY)
(FAX.NO.23793144)**

**PS TO HON'BLE MINISTER FOR SCIENCE AND TECHNOLOGY AND EARTH SCIENCES (FAX
NO.23316745)**

SECRETARY, MoES, (Fax No. 24629777)

SECRETARY, DST (Fax No. 26863847/-2418)

H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147)

DIRECTOR GENERAL, DOORDARSHAN (23385843)

DIRECTOR GENERAL, AIR (25843825)

PIB MoES (FAX NO. 23389042)

D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)

DIRECTOR OF PUNCTUALITY, INDIAN RAILWAYS (FAX NO. 23388503)

CHIEF SECRETARY, GOVT. OF ANDAMAN & NICOBAR ISLAND (FAX NO. 03192-232656)

CHIEF SECRETARY, GOVT. OF TAMIL NADU (FAX NO. 044-25672304)

CHIEF SECRETARY, GOVT. OF PUDUCHERRY (FAX NO. 0413-2337575)

CHIEF SECRETARY, GOVT OF ANDHRA PRADESH (FAX No. 040-23453700)

Time of issue: 1330 hours IST

Dated: 13-05-2013

Bulletin No.: BOB 01/2013/16

Sub: Cyclonic Storm, VIYARU over southeast Bay of Bengal

The cyclonic storm VIYARU over southeast Bay of Bengal moved northwards with a speed of about 10 kmph during past 6 hrs and lay centred at 1130 hrs IST of 13th May 2013 near latitude 12.0° N and longitude 86.5° E, about 750 km northwest of Car Nicobar, 700 km northeast of Trincomalee, 700 km east-southeast of Chennai and 1280 km south-southwest of Chittagong. It would move initially north-northwestwards during next 06 hours and thereafter recurve towards Bangladesh-Myanmar coast.

Based on latest analysis with NWP models and other conventional techniques, estimated track and intensity of the system are given in the Table below:

Date/Time(IST)	Position (Lat. °N/ Long. °E)	Sustained maximum surface wind speed (kmph)	Category
13-05-2013/1130	12.0/86.5	65-75 gusting to 85	Cyclonic Storm
13-05-2013/1730	12.7/86.2	65-75 gusting to 85	Cyclonic Storm
13-05-2013/2330	13.4/86.7	65-75 gusting to 85	Cyclonic Storm
14-05-2013/0530	14.2/87.3	65-75 gusting to 85	Cyclonic Storm
14-05-2013/1130	15.0/88.0	65-75 gusting to 85	Cyclonic Storm
14-05-2013/2330	16.6/89.0	65-75 gusting to 85	Cyclonic Storm
15-05-2013/1130	18.1/90.0	65-75 gusting to 85	Cyclonic Storm
15-05-2013/2330	19.6/91.0	65-75 gusting to 85	Cyclonic Storm
16-05-2013/1130	21.1/92.0	60-70 gusting to 80	Cyclonic Storm
16-05-2013/2330	22.6/93.5	50-60 gusting to 70	Deep Depression

Under the influence of this system, rainfall at many places with isolated heavy rainfall would occur over Andaman and Nicobar Islands during next 48 hrs.

Squally winds speed reaching 40-45 kmph gusting to 60 kmph would prevail along Andaman and Nicobar Islands during next 48 hours. Sea condition will be rough to very rough along and off Andaman and Nicobar Islands during this period.

Fishermen of Andaman and Nicobar Islands are advised not to venture into the sea during next 48 hrs.

The next bulletin will be issued at 2030 hrs IST of the 13th May, 2013.

(M. MOHAPATRA)
SCIENTIST-E

CC: DDGM (WF) Pune/ ACWC Kolkata/ACWC Chennai/ CWC
Visakhapatnam/Bhubaneswar/Command MO Mumbai (022-22630084) /Command MO
Visakhapatnam (0891-2709086)/ MO Port Blair (03192-229480).



भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

FAX MESSAGE

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24699216/24623220)

**To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
CONTROL ROOM NDMA (FAX.NO.26701729)**

**CABINET SECRETARIAT, (KIND ATTN SHRI TARA DUTT, JOINT SECRETARY)
(FAX.NO.23793144)**

**PS TO HON'BLE MINISTER FOR SCIENCE AND TECHNOLOGY AND EARTH SCIENCES (FAX
NO.23316745)**

SECRETARY, MoES, (Fax No. 24629777)

SECRETARY, DST (Fax No. 26863847/-2418)

H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147)

DIRECTOR GENERAL, DOORDARSHAN (23385843)

DIRECTOR GENERAL, AIR (25843825)

PIB MoES (FAX NO. 23389042)

D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)

DIRECTOR OF PUNCTUALITY, INDIAN RAILWAYS (FAX NO. 23388503)

CHIEF SECRETARY, GOVT. OF ANDAMAN & NICOBAR ISLAND (FAX NO. 03192-232656)

CHIEF SECRETARY, GOVT. OF TAMIL NADU (FAX NO. 044-25672304)

CHIEF SECRETARY, GOVT. OF PUDUCHERRY (FAX NO. 0413-2337575)

CHIEF SECRETARY, GOVT OF ANDHRA PRADESH (FAX No. 040-23453700)

Time of issue: 1930 hours IST

Dated: 13-05-2013

Bulletin No.: BOB 01/2013/17

Sub: Cyclonic Storm, VIYARU over southeast Bay of Bengal

The cyclonic storm VIYARU over southeast Bay of Bengal moved westwards with a speed of about 10 kmph during past 6 hrs and lay centred at 1730 hrs IST of 13th May 2013 near latitude 12.0° N and longitude 86.0° E, about 800 km northwest of Car Nicobar, 650 km northeast of Trincomalee, 650 km east-southeast of Chennai and 1280 km south-southwest of Chittagong. It would move initially northwards during next 12 hours and thereafter recurve towards Bangladesh-Myanmar coast.

Based on latest analysis with NWP models and other conventional techniques, estimated track and intensity of the system are given in the Table below:

Date/Time(IST)	Position (Lat. °N/ Long. °E)	Sustained maximum surface wind speed (kmph)	Category
13-05-2013/1730	12.0/86.0	65-75 gusting to 85	Cyclonic Storm
13-05-2013/2330	12.5/86.0	65-75 gusting to 85	Cyclonic Storm
14-05-2013/0530	13.4/86.5	65-75 gusting to 85	Cyclonic Storm
14-05-2013/1130	14.2/86.9	65-75 gusting to 85	Cyclonic Storm
14-05-2013/1730	15.4/87.5	65-75 gusting to 85	Cyclonic Storm
15-05-2013/0530	16.8/88.2	65-75 gusting to 85	Cyclonic Storm
15-05-2013/1730	18.0/89.0	65-75 gusting to 85	Cyclonic Storm
16-05-2013/0530	19.6/90.0	65-75 gusting to 85	Cyclonic Storm
16-05-2013/1730	21.0/91.0	65-75 gusting to 85	Cyclonic Storm
17-05-2013/0530	22.6/92.0	50-60 gusting to 70	Deep Depression

Under the influence of this system, rainfall at many places with isolated heavy rainfall would occur over Andaman and Nicobar Islands during next 48 hrs.

Squally winds speed reaching 40-45 kmph gusting to 60 kmph would prevail along Andaman and Nicobar Islands during next 48 hours. Sea condition will be rough to very rough along and off Andaman and Nicobar Islands during this period.

Fishermen of Andaman and Nicobar Islands are advised not to venture into the sea during next 48 hrs.

The next bulletin will be issued at 0230 hrs IST of the 13th May, 2013.

(M. MOHAPATRA)
SCIENTIST-E

CC: DDGM (WF) Pune/ ACWC Kolkata/ACWC Chennai/ CWC
Visakhapatnam/Bhubaneswar/Command MO Mumbai (022-22630084) /Command MO
Visakhapatnam (0891-2709086)/ MO Port Blair (03192-229480).



भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

FAX MESSAGE

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)

CONTROL ROOM NDMA (FAX.NO.26701729)

**CABINET SECRETARIAT, (KIND ATTN SHRI TARA DUTT, JOINT SECRETARY)
(FAX.NO.23793144)**

**PS TO HON'BLE MINISTER FOR SCIENCE AND TECHNOLOGY AND EARTH SCIENCES (FAX
NO.23316745)**

SECRETARY, MoES, (Fax No. 24629777)

SECRETARY, DST (Fax No. 26863847/-2418)

H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147)

DIRECTOR GENERAL, DOORDARSHAN (23385843)

DIRECTOR GENERAL, AIR (25843825)

PIB MoES (FAX NO. 23389042)

D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)

DIRECTOR OF PUNCTUALITY, INDIAN RAILWAYS (FAX NO. 23388503)

CHIEF SECRETARY, GOVT. OF ANDAMAN & NICOBAR ISLAND (FAX NO. 03192-232656)

CHIEF SECRETARY, GOVT. OF TAMIL NADU (FAX NO. 044-25672304)

CHIEF SECRETARY, GOVT. OF PUDUCHERRY (FAX NO. 0413-2337575)

CHIEF SECRETARY, GOVT OF ANDHRA PRADESH (FAX No. 040-23453700)

Time of issue: 0230 hours IST

Dated: 14-05-2013

Bulletin No.: BOB 01/2013/18

Sub: Cyclonic Storm, VIYARU over southeast Bay of Bengal

The cyclonic storm **VIYARU** over southeast Bay of Bengal moved northwestwards with a speed of about 10 kmph during past 6 hrs and lay centred at 2330 hrs IST of 13th May 2013 near latitude 12.5^o N and longitude 85.5^o E, about 880 km northwest of Car Nicobar, 630 km northeast of Trincomalee, 580 km east-southeast of Chennai and 1280 km south-southwest of Chittagong. It would move northwards during next few hours and thereafter recurve towards Bangladesh-Myanmar coast.

Based on latest analysis with NWP models and other conventional techniques, estimated track and intensity of the system are given in the Table below:

Date/Time(IST)	Position (Lat. ^o N/ Long. ^o E)	Sustained maximum surface wind speed (kmph)	Category
13-05-2013/2330	12.5/85.5	65-75 gusting to 85	Cyclonic Storm
14-05-2013/0530	13.4/86.0	65-75 gusting to 85	Cyclonic Storm
14-05-2013/1130	14.2/86.8	65-75 gusting to 85	Cyclonic Storm
14-05-2013/1730	15.0/87.5	65-75 gusting to 85	Cyclonic Storm
14-05-2013/2330	15.8/88.0	65-75 gusting to 85	Cyclonic Storm
15-05-2013/0530	16.6/88.5	65-75 gusting to 85	Cyclonic Storm
15-05-2013/1730	18.1/89.5	65-75 gusting to 85	Cyclonic Storm
16-05-2013/0530	19.6/90.5	65-75 gusting to 85	Cyclonic Storm
16-05-2013/1730	21.1/91.5	60-70 gusting to 80	Cyclonic Storm
17-05-2013/0530	22.6/93.0	50-60 gusting to 70	Deep Depression

Under the influence of this system, rainfall at many places with isolated heavy rainfall would occur over Andaman and Nicobar Islands during next 36 hrs.

Squally winds speed reaching 40-45 kmph gusting to 60 kmph would prevail along Andaman and Nicobar Islands during next 36 hours. Sea condition will be rough to very rough along and off Andaman and Nicobar Islands during this period.

Fishermen of Andaman and Nicobar Islands are advised not to venture into the sea during next 36 hrs.

The next bulletin will be issued at 0830 hrs IST of the 14th May, 2013.

(Naresh Kumar)
Meteorologist

CC: DDGM (WF) Pune/ ACWC Kolkata/ACWC Chennai/ CWC
Visakhapatnam/Bhubaneswar/Command MO Mumbai (022-22630084) /Command MO
Visakhapatnam (0891-2709086)/ MO Port Blair (03192-229480).



भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

FAX MESSAGE

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24699216/24623220)

**To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
CONTROL ROOM NDMA (FAX.NO.26701729)**

**CABINET SECRETARIAT, (KIND ATTN SHRI TARA DUTT, JOINT SECRETARY)
(FAX.NO.23793144)**

**PS TO HON'BLE MINISTER FOR SCIENCE AND TECHNOLOGY AND EARTH SCIENCES (FAX
NO.23316745)**

SECRETARY, MoES, (Fax No. 24629777)

SECRETARY, DST (Fax No. 26863847/-2418)

H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147)

DIRECTOR GENERAL, DOORDARSHAN (23385843)

DIRECTOR GENERAL, AIR (25843825)

PIB MoES (FAX NO. 23389042)

D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)

DIRECTOR OF PUNCTUALITY, INDIAN RAILWAYS (FAX NO. 23388503)

CHIEF SECRETARY, GOVT. OF ANDAMAN & NICOBAR ISLAND (FAX NO. 03192-232656)

CHIEF SECRETARY, GOVT. OF TAMIL NADU (FAX NO. 044-25672304)

CHIEF SECRETARY, GOVT. OF PUDUCHERRY (FAX NO. 0413-2337575)

CHIEF SECRETARY, GOVT OF ANDHRA PRADESH (FAX No. 040-23453700)

Time of issue: 0730 hours IST

Dated: 14-05-2013

Bulletin No.: BOB 01/2013/19

Sub: Cyclonic Storm, VIYARU over southeast Bay of Bengal

The cyclonic storm **VIYARU** over southeast Bay of Bengal moved northwards with a speed of about 15 kmph during past 6 hrs and lay centred at 0530 hrs IST of 14th May 2013 near latitude 13.5^o N and longitude 85.5^o E, about 950 km northwest of Car Nicobar, 700 km northeast of Trincomalee, 600 km east of Chennai and 1200 km south-southwest of Chittagong. It would move northwards for some more time and thereafter recurve towards Bangladesh-Myanmar coast.

Based on latest analysis with NWP models and other conventional techniques, estimated track and intensity of the system are given in the Table below:

Date/Time(IST)	Position (Lat. ^o N/ Long. ^o E)	Sustained maximum surface wind speed (kmph)	Category
14-05-2013/0530	13.5/85.5	65-75 gusting to 85	Cyclonic Storm
14-05-2013/1130	14.2/86.3	65-75 gusting to 85	Cyclonic Storm
14-05-2013/1730	15.0/87.0	65-75 gusting to 85	Cyclonic Storm
14-05-2013/2330	15.8/87.5	65-75 gusting to 85	Cyclonic Storm
15-05-2013/0530	16.6/88.0	65-75 gusting to 85	Cyclonic Storm
15-05-2013/1730	18.1/89.0	65-75 gusting to 85	Cyclonic Storm
16-05-2013/0530	19.6/90.0	65-75 gusting to 85	Cyclonic Storm
16-05-2013/1730	21.1/91.0	60-70 gusting to 80	Cyclonic Storm
17-05-2013/0530	22.6/92.5	50-60 gusting to 70	Deep Depression

Under the influence of this system, rainfall at many places with isolated heavy rainfall would occur over Andaman and Nicobar Islands during next 36 hrs.

Squally winds speed reaching 40-45 kmph gusting to 60 kmph would prevail along Andaman and Nicobar Islands during next 36 hours. Sea condition will be rough to very rough along and off Andaman and Nicobar Islands during this period.

Fishermen of Andaman and Nicobar Islands are advised not to venture into the sea during next 36 hrs.

The next bulletin will be issued at 1130 hrs IST of the 14th May, 2013.

(Naresh Kumar)
Meteorologist

CC: DDGM (WF) Pune/ ACWC Kolkata/ACWC Chennai/ CWC
Visakhapatnam/Bhubaneswar/Command MO Mumbai (022-22630084) /Command MO
Visakhapatnam (0891-2709086)/ MO Port Blair (03192-229480).



भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

FAX MESSAGE

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24699216/24623220)

**To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750/23092398)
CONTROL ROOM NDMA (FAX.NO.26701729)
CABINET SECRETARIAT, (KIND ATTN SHRI TARA DUTT, JOINT SECRETARY)
(FAX.NO.23793144)
PS TO HON'BLE MINISTER FOR SCIENCE AND TECHNOLOGY AND EARTH SCIENCES (FAX
NO.23316745)
SECRETARY, MoES, (Fax No. 24629777)
SECRETARY, DST (Fax No. 26863847/-2418)
H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147)
DIRECTOR GENERAL, DOORDARSHAN (23385843)
DIRECTOR GENERAL, AIR (25843825)
PIB MoES (FAX NO. 23389042)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)
DIRECTOR OF PUNCTUALITY, INDIAN RAILWAYS (FAX NO. 23388503)
CHIEF SECRETARY, GOVT. OF ANDAMAN & NICOBAR ISLAND (FAX NO. 03192-232656)
CHIEF SECRETARY, GOVT. OF TAMIL NADU (FAX NO. 044-25672304)
CHIEF SECRETARY, GOVT. OF PUDUCHERRY (FAX NO. 0413-2337575)
CHIEF SECRETARY, GOVT OF ANDHRA PRADESH (FAX No. 040-23453700)**

Time of issue: 1020 hours IST

Dated: 14-05-2013

Bulletin No.: BOB 01/2013/20

Sub: Cyclonic Storm, VIYARU over southeast Bay of Bengal

The cyclonic storm **VIYARU** over southeast Bay of Bengal was practically stationary during past 3 hrs and lay centred at 0830 hrs IST of 14th May 2013 near latitude 13.5^o N and longitude 85.5^o E, about 950 km northwest of Car Nicobar, 700 km northeast of Trincomalee, 600 km east of Chennai and 1200 km south-southwest of Chittagong. It would move northwards for some more time and thereafter recurve towards Bangladesh-Myanmar coast.

Based on latest analysis with NWP models and other conventional techniques, estimated track and intensity of the system are given in the Table below:

Date/Time(IST)	Position (Lat. ^o N/ Long. ^o E)	Sustained maximum surface wind speed (kmph)	Category
14-05-2013/0830	13.5/85.5	65-75 gusting to 85	Cyclonic Storm
14-05-2013/1130	14.2/86.3	65-75 gusting to 85	Cyclonic Storm
14-05-2013/1730	15.0/87.0	65-75 gusting to 85	Cyclonic Storm
14-05-2013/2330	15.8/87.5	65-75 gusting to 85	Cyclonic Storm
15-05-2013/0530	16.6/88.0	65-75 gusting to 85	Cyclonic Storm
15-05-2013/1730	18.1/89.0	65-75 gusting to 85	Cyclonic Storm
16-05-2013/0530	19.6/90.0	65-75 gusting to 85	Cyclonic Storm
16-05-2013/1730	21.1/91.0	60-70 gusting to 80	Cyclonic Storm
17-05-2013/0530	22.6/92.5	50-60 gusting to 70	Deep Depression

Under the influence of this system, rainfall at many places with isolated heavy rainfall would occur over Andaman and Nicobar Islands during next 36 hrs.

Squally winds speed reaching 40-45 kmph gusting to 60 kmph would prevail along Andaman and Nicobar Islands during next 36 hours. Sea condition will be rough to very rough along and off Andaman and Nicobar Islands during this period.

Fishermen of Andaman and Nicobar Islands are advised not to venture into the sea during next 36 hrs.

The next bulletin will be issued at 1430 hrs IST of the 14th May, 2013.

(Kamaljit Ray)
Scientist-E

CC: DDGM (WF) Pune/DDGM RMC GUWAHATI/ ACWC Kolkata/ACWC Chennai/ CWC
Visakhapatnam/Bhubaneswar/Command MO Mumbai (022-22630084) /Command MO
Visakhapatnam (0891-2709086)/ MO Port Blair (03192-229480).



भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

FAX MESSAGE

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24699216/24623220)

**To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750/23092398)
CONTROL ROOM NDMA (FAX.NO.26701729)
CABINET SECRETARIAT, (KIND ATTN SHRI TARA DUTT, JOINT SECRETARY)
(FAX.NO.23793144)
PS TO HON'BLE MINISTER FOR SCIENCE AND TECHNOLOGY AND EARTH SCIENCES (FAX
NO.23316745)
SECRETARY, MoES, (Fax No. 24629777)
SECRETARY, DST (Fax No. 26863847/-2418)
H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147)
DIRECTOR GENERAL, DOORDARSHAN (23385843)
DIRECTOR GENERAL, AIR (25843825)
PIB MoES (FAX NO. 23389042)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)
DIRECTOR OF PUNCTUALITY, INDIAN RAILWAYS (FAX NO. 23388503)
CHIEF SECRETARY, GOVT. OF ANDAMAN & NICOBAR ISLAND (FAX NO. 03192-232656)
CHIEF SECRETARY, GOVT. OF TAMIL NADU (FAX NO. 044-25672304)
CHIEF SECRETARY, GOVT. OF PUDUCHERRY (FAX NO. 0413-2337575)
CHIEF SECRETARY, GOVT OF ANDHRA PRADESH (FAX No. 040-23453700)**

Time of issue: 1330 hours IST

Dated: 14-05-2013

Bulletin No.: BOB 01/2013/21

Sub: Cyclonic Storm, VIYARU over westcentral Bay of Bengal

The cyclonic storm **VIYARU** over westcentral Bay of Bengal has moved northwards during past 6 hrs at a speed of about 10 kmph and lay centred at 1130 hrs IST of 14th May 2013 near latitude 14.0^o N and longitude 85.5^o E, about 350 km northwest of Portblair, 480 km southeast of Vishakhapatnam, 700 km south-southwest of Paradip, and 1140 km southwest of Chittagong. It would move northeastwards and cross Bangladesh coast between Khepupara and Teknafl, close to Chittagong during evening/night of 16th May 2013.

Based on latest analysis with NWP models and other conventional techniques, estimated track and intensity of the system are given in the Table below:

Date/Time(IST)	Position (Lat. ^o N/ Long. ^o E)	Sustained maximum surface wind speed (kmph)	Category
14-05-2013/1130	14.0/85.5	65-75 gusting to 85	Cyclonic Storm
14-05-2013/1730	15.0/86.0	65-75 gusting to 85	Cyclonic Storm
14-05-2013/2330	15.8/86.7	65-75 gusting to 85	Cyclonic Storm
15-05-2013/0530	16.6/87.5	65-75 gusting to 85	Cyclonic Storm
15-05-2013/1130	17.6/88.2	65-75 gusting to 85	Cyclonic Storm
15-05-2013/2330	19.0/89.6	65-75 gusting to 85	Cyclonic Storm
16-05-2013/1130	20.5/91.0	65-75 gusting to 85	Cyclonic Storm
16-05-2013/2330	22.0/92.5	60-70 gusting to 80	Cyclonic Storm
17-05-2013/1130	23.0/94.0	50-60 gusting to 70	Deep Depression

Under the influence of this system, rainfall would occur at many places with isolated heavy rainfall over Andaman and Nicobar Islands during next 24 hrs.

Squally winds speed reaching 40-45 kmph gusting to 60 kmph would prevail along Andaman and Nicobar Islands during next 24 hours. Sea condition will be rough to very rough along and off Andaman and Nicobar Islands during this period.

Fishermen of Andaman Islands are advised not to venture into the sea during next 48 hrs. Fishermen along and off coastal Andhra Pradesh are advised to be cautious while venturing into sea during next 48 hrs.

The next bulletin will be issued at 2030 hrs IST of the 14th May, 2013.

(Kamaljit Ray)
Scientist-E

CC: DDGM (WF) Pune/DDGM RMC GUWAHATI/ ACWC Kolkata/ACWC Chennai/ CWC Visakhapatnam/Bhubaneswar/M.C. AGARTALA/Command MO Mumbai (022-22630084) /Command MO Visakhapatnam (0891-2709086)/ MO Port Blair (03192-229480).



भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

FAX MESSAGE

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750/23092398)
CONTROL ROOM NDMA (FAX.NO.26701729)
CABINET SECRETARIAT, (KIND ATTN SHRI TARA DUTT, JOINT SECRETARY)
(FAX.NO.23793144)
PS TO HON'BLE MINISTER FOR SCIENCE AND TECHNOLOGY AND EARTH SCIENCES (FAX NO.23316745)
SECRETARY, MoES, (Fax No. 24629777)
SECRETARY, DST (Fax No. 26863847/-2418)
H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147)
DIRECTOR GENERAL, DOORDARSHAN (23385843)
DIRECTOR GENERAL, AIR (25843825)
PIB MoES (FAX NO. 23389042)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)
DIRECTOR OF PUNCTUALITY, INDIAN RAILWAYS (FAX NO. 23388503)
CHIEF SECRETARY, GOVT. OF ANDAMAN & NICOBAR ISLAND (FAX NO. 03192-232656)
CHIEF SECRETARY, GOVT. OF TAMIL NADU (FAX NO. 044-25672304)
CHIEF SECRETARY, GOVT. OF PUDUCHERRY (FAX NO. 0413-2337575)
CHIEF SECRETARY, GOVT OF ANDHRA PRADESH (FAX No. 040-23453700)
CHIEF SECRETARY, GOVT OF MIZORAM (FAX No. 0389-2322745)
CHIEF SECRETARY, GOVT OF TRIPURA (FAX No. 0381-2414013/2351122)
CHIEF SECRETARY, GOVT OF MANIPUR (FAX No. 0385-2451144)

Time of issue: 1930 hours IST

Dated: 14-05-2013

Bulletin No.: BOB 01/2013/22

Sub: Cyclonic Storm, VIYARU over westcentral Bay of Bengal

The cyclonic storm **VIYARU** over westcentral Bay of Bengal has moved northeastwards during past 6 hrs at a speed of about 13 kmph and lay centred at 1730 hrs IST of 14th May 2013 near latitude 14.5^o N and longitude 86.0^o E, about 850 km northwest of Portblair, 460 km southeast of Vishakhapatnam, 650 km south-southwest of Paradip and 1060 km southwest of Chittagong. It would move northeastwards and cross Bangladesh coast between Khepupara and Teknaff, close to Chittagong during night of 16th May 2013.

Based on latest analysis with NWP models and other conventional techniques, estimated track and intensity of the system are given in the Table below:

Date/Time(UTC)	Position (Lat. ^o N/ Long. ^o E)	Sustained maximum surface wind speed (kmph)	Category
14-05-2013/1730	14.5/86.0	65-75 gusting to 85	Cyclonic Storm
14-05-2013/2330	15.2/86.4	65-75 gusting to 85	Cyclonic Storm
15-05-2013/0530	16.0/87.0	65-75 gusting to 85	Cyclonic Storm
15-05-2013/1130	17.0/87.6	65-75 gusting to 85	Cyclonic Storm
15-05-2013/1730	18.0/88.3	65-75 gusting to 85	Cyclonic Storm
15-05-2013/0530	19.2/89.7	65-75 gusting to 85	Cyclonic Storm
16-05-2013/1730	20.8/91.2	65-75 gusting to 85	Cyclonic Storm
17-05-2013/0530	22.3/92.7	60-70 gusting to 80	Cyclonic Storm
17-05-2013/1730	24.0/94.7	50-60 gusting to 70	Deep Depression

Under the influence of this system, rainfall would occur at many places with isolated heavy rainfall over Andaman and Nicobar Islands during next 24 hrs. Rainfall at many places with isolated heavy falls would occur over Mizoram, Manipur and Tripura on 16th and 17th.

Squally winds speed reaching 40-45 kmph gusting to 60 kmph would prevail along Andaman and Nicobar Islands during next 24 hours. Sea condition will be rough to very rough along and off Andaman and Nicobar Islands during this period. Squally wind speed reaching 45-55 kmph gusting to 65 kmph is likely to prevail over Mizoram and Tripura commencing from 16th night for subsequent 24hrs.

Fishermen of Andaman Islands are advised not to venture into the sea during next 48 hrs. Fishermen along and off coastal Andhra Pradesh are advised to be cautious while venturing into sea during next 48 hrs.

The next bulletin will be issued at 2030 hrs IST of the 14th May, 2013.

(M.Mohapatra)
Scientist-E

CC: DDGM (WF) Pune/DDGM RMC GUWAHATI/ ACWC Kolkata/ACWC Chennai/ CWC Visakhapatnam/Bhubaneswar/M.C. AGARTALA/Command MO Mumbai (022-22630084) /Command MO Visakhapatnam (0891-2709086)/ MO Port Blair (03192-229480).



भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

FAX MESSAGE

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750/23092398)
CONTROL ROOM NDMA (FAX.NO.26701729)
CABINET SECRETARIAT, (KIND ATTN SHRI TARA DUTT, JOINT SECRETARY)
(FAX.NO.23793144)
PS TO HON'BLE MINISTER FOR SCIENCE AND TECHNOLOGY AND EARTH SCIENCES (FAX NO.23316745)
SECRETARY, MoES, (Fax No. 24629777)
SECRETARY, DST (Fax No. 26863847/-2418)
H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147)
DIRECTOR GENERAL, DOORDARSHAN (23385843)
DIRECTOR GENERAL, AIR (25843825)
PIB MoES (FAX NO. 23389042)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)
DIRECTOR OF PUNCTUALITY, INDIAN RAILWAYS (FAX NO. 23388503)
CHIEF SECRETARY, GOVT. OF ANDAMAN & NICOBAR ISLAND (FAX NO. 03192-232656)
CHIEF SECRETARY, GOVT. OF TAMIL NADU (FAX NO. 044-25672304)
CHIEF SECRETARY, GOVT. OF PUDUCHERRY (FAX NO. 0413-2337575)
CHIEF SECRETARY, GOVT OF ANDHRA PRADESH (FAX No. 040-23453700)
CHIEF SECRETARY, GOVT OF MIZORAM (FAX No. 0389-2322745)
CHIEF SECRETARY, GOVT OF TRIPURA (FAX No. 0381-2414013/2351122)
CHIEF SECRETARY, GOVT OF MANIPUR (FAX No. 0385-2451144)

Time of issue: 0230 hours IST

Dated: 15-05-2013

Bulletin No.: BOB 01/2013/23

Sub: Cyclonic Storm, VIYARU over westcentral Bay of Bengal

The cyclonic storm **VIYARU** over westcentral Bay of Bengal has moved northeastwards during past 6 hrs at a speed of about 12 kmph and lay centred at 2330 hrs IST of 14th May 2013 near latitude 15.0^o N and longitude 86.5^o E, about 770 km northwest of Portblair, 470 km southeast of Vishakhapatnam, 600 km south of Paradip and 1000 km southwest of Chittagong. It would move northeastwards and cross Bangladesh coast between Khepupara and Teknaff, close to Chittagong during night of 16th May 2013.

Based on latest analysis with NWP models and other conventional techniques, estimated track and intensity of the system are given in the Table below:

Date/Time(IST)	Position (Lat. ^o N/ Long. ^o E)	Sustained maximum surface wind speed (kmph)	Category
14-05-2013/2330	15.0/86.5	65-75 gusting to 85	Cyclonic Storm
15-05-2013/0530	15.5/86.7	65-75 gusting to 85	Cyclonic Storm
15-05-2013/1130	16.5/87.3	65-75 gusting to 85	Cyclonic Storm
15-05-2013/1730	17.5/88.0	65-75 gusting to 85	Cyclonic Storm
15-05-2013/2330	18.7/88.8	65-75 gusting to 85	Cyclonic Storm
16-05-2013/1130	19.7/89.7	65-75 gusting to 85	Cyclonic Storm
16-05-2013/2330	21.0/91.2	65-75 gusting to 85	Cyclonic Storm
17-05-2013/1130	22.3/92.7	50-60 gusting to 70	Deep Depression
17-05-2013/2330	24.0/94.7	40-50 gusting to 60	Depression

Under the influence of this system, rainfall would occur at many places with isolated heavy rainfall over Andaman and Nicobar Islands during next 24 hrs. Rainfall at many places with isolated heavy falls would occur over Mizoram, Manipur and Tripura on 16th and 17th.

Squally winds speed reaching 40-45 kmph gusting to 60 kmph would prevail along Andaman and Nicobar Islands during next 24 hours. Sea condition will be rough to very rough along and off Andaman and Nicobar Islands during this period. Squally wind speed reaching 45-55 kmph gusting to 65 kmph is likely to prevail over Mizoram and Tripura commencing from 16th night for subsequent 24hrs.

Fishermen of Andaman Islands are advised not to venture into the sea during next 48 hrs. Fishermen along and off coastal Andhra Pradesh are advised to be cautious while venturing into sea during next 48 hrs.

The next bulletin will be issued at 0830 hrs IST of the 15th May, 2013.

(CHARAN SINGH)
Scientist-E

CC: DDGM (WF) Pune/DDGM RMC GUWAHATI/ ACWC Kolkata/ACWC Chennai/ CWC Visakhapatnam/Bhubaneswar/M.C. AGARTALA/Command MO Mumbai (022-22630084) /Command MO Visakhapatnam (0891-2709086)/ MO Port Blair (03192-229480).



भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

FAX MESSAGE

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750/23092398)
CONTROL ROOM NDMA (FAX.NO.26701729)
CABINET SECRETARIAT, (KIND ATTN SHRI TARA DUTT, JOINT SECRETARY)
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PS TO HON'BLE MINISTER FOR SCIENCE AND TECHNOLOGY AND EARTH SCIENCES (FAX NO.23316745)
SECRETARY, MoES, (Fax No. 24629777)
SECRETARY, DST (Fax No. 26863847/-2418)
H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147)
DIRECTOR GENERAL, DOORDARSHAN (23385843)
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PIB MoES (FAX NO. 23389042)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)
DIRECTOR OF PUNCTUALITY, INDIAN RAILWAYS (FAX NO. 23388503)
CHIEF SECRETARY, GOVT. OF ANDAMAN & NICOBAR ISLAND (FAX NO. 03192-232656)
CHIEF SECRETARY, GOVT. OF TAMIL NADU (FAX NO. 044-25672304)
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CHIEF SECRETARY, GOVT OF TRIPURA (FAX No. 0381-2414013/2351122)
CHIEF SECRETARY, GOVT OF MANIPUR (FAX No. 0385-2451144)

Time of issue: 0810 hours IST

Dated: 15-05-2013

Bulletin No.: BOB 01/2013/24

Sub: Cyclonic Storm, VIYARU over westcentral Bay of Bengal

The cyclonic storm **VIYARU** over westcentral Bay of Bengal moved further northeastwards during past 12 hours at a speed of about 16 kmph and lay centred at 0530 hours IST of 15th May 2013 near latitude 16.0° N and longitude 87.0° E, about 800 km northwest of Portblair, 450 km southeast of Vishakhapatnam, 480 km south of Paradip and 870 km southwest of Chittagong. It would move northeastwards and cross Bangladesh coast between Khepupara and Teknaif, close to Chittagong during night of 16th May 2013.

Based on latest analysis with NWP models and other conventional techniques, estimated track and intensity of the system are given in the Table below:

Date/Time(IST)	Position (Lat. °N/ Long. °E)	Sustained maximum surface wind speed (kmph)	Category
15-05-2013/0530	16.0/87.0	65-75 gusting to 85	Cyclonic Storm
15-05-2013/1130	16.6/87.4	65-75 gusting to 85	Cyclonic Storm
15-05-2013/1730	17.2/87.8	65-75 gusting to 85	Cyclonic Storm
15-05-2013/2330	18.0/88.5	65-75 gusting to 85	Cyclonic Storm
16-05-2013/0530	19.2/89.4	65-75 gusting to 85	Cyclonic Storm
16-05-2013/1730	20.8/90.8	65-75 gusting to 85	Cyclonic Storm
17-05-2013/0530	22.2/92.2	50-60 gusting to 70	Deep Depression
17-05-2013/1730	23.5/94.3	40-50 gusting to 60	Depression

Under the influence of this system, rainfall would occur at many places with isolated heavy rainfall over Andaman and Nicobar Islands during next 24 hrs. Rainfall at many places with isolated heavy falls would occur over Mizoram, Manipur and Tripura on 16th and 17th.

Squally winds speed reaching 40-45 kmph gusting to 60 kmph would prevail along Andaman & Nicobar Islands during next 24 hours. Sea condition will be rough to very rough along and off Andaman & Nicobar Islands during this period.

Squally wind speed reaching 45-55 kmph gusting to 65 kmph is likely to prevail over Mizoram and Tripura commencing from 16th night for subsequent 24hrs. Strong wind speed reaching 30-40 kmph would prevail along and off north coastal Andhra Pradesh and Odisha coasts during next 24 hours.

Fishermen of Andaman Islands are advised not to venture into the sea during next 48 hrs. Fishermen along and off coastal Andhra Pradesh and Odisha are advised to be cautious while venturing into sea during next 48 hrs.

The next bulletin will be issued at 1130 hrs IST of the 15th May, 2013.

(Charan Singh)
Scientist-E

CC: DDGM (WF) Pune/DDGM RMC GUWAHATI/ ACWC Kolkata/ACWC Chennai/ CWC Visakhapatnam/Bhubaneswar/M.C. AGARTALA/Command MO Mumbai (022-22630084) /Command MO Visakhapatnam (0891-2709086)/ MO Port Blair (03192-229480).



भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

FAX MESSAGE

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750/23092398)
CONTROL ROOM NDMA (FAX.NO.26701729)
CABINET SECRETARIAT, (KIND ATTN SHRI TARA DUTT, JOINT SECRETARY)
(FAX.NO.23793144)
PS TO HON'BLE MINISTER FOR SCIENCE AND TECHNOLOGY AND EARTH SCIENCES (FAX NO.23316745)
SECRETARY, MoES, (Fax No. 24629777)
SECRETARY, DST (Fax No. 26863847/-2418)
H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147)
DIRECTOR GENERAL, DOORDARSHAN (23385843)
DIRECTOR GENERAL, AIR (25843825)
PIB MoES (FAX NO. 23389042)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)
DIRECTOR OF PUNCTUALITY, INDIAN RAILWAYS (FAX NO. 23388503)
CHIEF SECRETARY, GOVT. OF ANDAMAN & NICOBAR ISLAND (FAX NO. 03192-232656)
CHIEF SECRETARY, GOVT. OF TAMIL NADU (FAX NO. 044-25672304)
CHIEF SECRETARY, GOVT. OF PUDUCHERRY (FAX NO. 0413-2337575)
CHIEF SECRETARY, GOVT OF ANDHRA PRADESH (FAX No. 040-23453700)
CHIEF SECRETARY, GOVT OF MIZORAM (FAX No. 0389-2322745)
CHIEF SECRETARY, GOVT OF TRIPURA (FAX No. 0381-2414013/2351122)
CHIEF SECRETARY, GOVT OF MANIPUR (FAX No. 0385-2451144)
CHIEF SECRETARY, GOVT OF ODISHA (FAX No. 0674-2536660)
CHIEF SECRETARY, GOVT OF WEST BENGAL (FAX No. 033-22144328)

Time of issue: 1120 hours IST

Dated: 15-05-2013

Bulletin No.: BOB 01/2013/25

Sub: Cyclonic Storm, VIYARU over westcentral Bay of Bengal

The cyclonic storm **VIYARU** over westcentral Bay of Bengal moved further north-northeastwards during past 12 hours at a speed of about 16 kmph and lay centred at 0830 hours IST of 15th May 2013 near latitude 16.5° N and longitude 87.0° E, about 850 km northwest of Portblair, 430 km east-southeast of Vishakhapatnam, 430 km south-southeast of Paradip and 820 km southwest of Chittagong. It would intensify further and move northeastwards and cross Bangladesh coast between Khepupara and Teknaff, close to Chittagong during night of 16th May 2013.

Based on latest analysis with NWP models and other conventional techniques, estimated track and intensity of the system are given in the Table below:

Date/Time(IST)	Position (Lat. °N/ Long. °E)	Sustained maximum surface wind speed (kmph)	Category
15-05-2013/0830	16.5/87.0	65-75 gusting to 85	Cyclonic Storm
15-05-2013/1130	17.0/87.4	70-80 gusting to 90	Cyclonic Storm
15-05-2013/1730	17.5/88.0	70-80 gusting to 90	Cyclonic Storm
15-05-2013/2330	18.0/88.5	80-90 gusting to 100	Cyclonic Storm
16-05-2013/0530	19.2/89.4	80-90 gusting to 100	Cyclonic Storm
16-05-2013/1730	20.8/90.8	80-90 gusting to 100	Cyclonic Storm
17-05-2013/0530	22.2/92.2	55-65 gusting to 75	Deep Depression
17-05-2013/1730	23.5/94.3	40-50 gusting to 60	Depression

Under the influence of this system, rainfall would occur at many places with isolated heavy rainfall over Andaman and Nicobar Islands during next 24 hrs. Rainfall at most places with isolated heavy falls would occur over Mizoram, Manipur and Tripura on 16th and 17th.

Squally winds speed reaching 40-50 kmph gusting to 60 kmph would prevail along Andaman & Nicobar Islands during next 24 hours. Sea condition will be rough to very rough along and off Andaman & Nicobar Islands during this period.

Strong wind speed reaching 30-40 kmph would prevail along and off north Andhra Pradesh coast during next 12 hrs, Odisha coast during next 24 hours and West Bengal coast during next 36 hrs. However, wind speed would increase to 40-50 kmph gusting to 60 kmph along and off West Bengal coast from tomorrow, the 16th May morning.

Squally wind speed reaching 50-60 kmph gusting to 70 kmph would prevail over Mizoram, Manipur and Tripura commencing from 16th evening/night for subsequent 24hrs.

Fishermen of Andaman Islands are advised not to venture into the sea during next 48 hrs. Fishermen along and off Andhra Pradesh, Odisha and West Bengal coasts are advised to be cautious while venturing into sea during next 48 hrs.

The next bulletin will be issued at 1430 hrs IST of the 15th May, 2013.

(M.MOHAPATRA)
Scientist-E

CC: DDGM (WF) Pune/DDGM RMC GUWAHATI/ ACWC Kolkata/ACWC Chennai/ CWC Visakhapatnam/Bhubaneswar/M.C. AGARTALA/Command MO Mumbai (022-22630084) /Command MO Visakhapatnam (0891-2709086)/ MO Port Blair (03192-229480).



भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

FAX MESSAGE

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24699216/24623220)

TO: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750/23092398)
CONTROL ROOM NDMA (FAX.NO.26701729)
CABINET SECRETARIAT, (KIND ATTN SHRI TARA DUTT, JOINT SECRETARY)
(FAX.NO.23793144)
PS TO HON'BLE MINISTER FOR SCIENCE AND TECHNOLOGY AND EARTH SCIENCES (FAX NO.23316745)
SECRETARY, MoES, (Fax No. 24629777)
SECRETARY, DST (Fax No. 26863847/-2418)
H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147)
DIRECTOR GENERAL, DOORDARSHAN (23385843)
DIRECTOR GENERAL, AIR (25843825)
PIB MoES (FAX NO. 23389042)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)
DIRECTOR OF PUNCTUALITY, INDIAN RAILWAYS (FAX NO. 23388503)
CHIEF SECRETARY, GOVT. OF ANDAMAN & NICOBAR ISLAND (FAX NO. 03192-232656)
CHIEF SECRETARY, GOVT. OF TAMIL NADU (FAX NO. 044-25672304)
CHIEF SECRETARY, GOVT. OF PUDUCHERRY (FAX NO. 0413-2337575)
CHIEF SECRETARY, GOVT OF ANDHRA PRADESH (FAX No. 040-23453700)
CHIEF SECRETARY, GOVT OF MIZORAM (FAX No. 0389-2322745)
CHIEF SECRETARY, GOVT OF TRIPURA (FAX No. 0381-2414013/2351122)
CHIEF SECRETARY, GOVT OF MANIPUR (FAX No. 0385-2451144)
CHIEF SECRETARY, GOVT OF ODISHA (FAX No. 0674-2536660)
CHIEF SECRETARY, GOVT OF WEST BENGAL (FAX No. 033-22144328)

Time of issue: 1300 hours IST

Dated: 15-05-2013

Bulletin No.: BOB 01/2013/26

Sub: Cyclonic Storm, VIYARU over westcentral Bay of Bengal

The cyclonic storm **VIYARU** over westcentral Bay of Bengal moved further north-northeastwards during past 6 hours at a speed of about 16 kmph and lay centred at 1130 hours IST of 15th May 2013 near latitude 17.0° N and longitude 87.5° E, about 850 km northwest of Portblair, 600 km south-southwest of Kolkata, 380 km southeast of Paradip and 750 km southwest of Chittagong. It would intensify further and move northeastwards and cross Bangladesh coast between Khepupara and Teknaff, close to Chittagong during night of 16th May 2013.

Based on latest analysis with NWP models and other conventional techniques, estimated track and intensity of the system are given in the Table below:

Date/Time(IST)	Position (Lat. °N/ Long. °E)	Sustained maximum surface wind speed (kmph)	Category
15-05-2013/1130	17.0/87.5	75-85 gusting to 95	Cyclonic Storm
15-05-2013/1730	17.7/88.0	75-85 gusting to 95	Cyclonic Storm
15-05-2013/2330	18.5/88.5	80-90 gusting to 100	Cyclonic Storm
16-05-2013/0530	19.2/89.2	80-90 gusting to 100	Cyclonic Storm
16-05-2013/1130	20.0/90.0	80-90 gusting to 100	Cyclonic Storm
16-05-2013/2330	21.5/91.5	80-90 gusting to 100	Cyclonic Storm
17-05-2013/1130	22.9/93.0	55-65 gusting to 75	Deep Depression
17-05-2013/2330	24.0/95.0	25-35 gusting to 45	Low

Under the influence of this system, rainfall would occur at many places with isolated heavy rainfall over Andaman and Nicobar Islands during next 24 hrs. Rainfall at

most places with isolated heavy falls would occur over Mizoram, Manipur and Tripura on 16th and 17th.

Squally winds speed reaching 40-50 kmph gusting to 60 kmph would prevail along Andaman & Nicobar Islands during next 24 hours. Sea condition will be rough to very rough along and off Andaman & Nicobar Islands during this period.

Strong wind speed reaching 30-40 kmph would prevail along and off north Andhra Pradesh coast during next 12 hrs, Odisha coast during next 24 hours and West Bengal coast during next 36 hrs. However, wind speed would increase to 40-50 kmph gusting to 60 kmph along and off West Bengal coast from tomorrow, the 16th May morning.

Squally wind speed reaching 50-60 kmph gusting to 70 kmph would prevail over Mizoram, Manipur and Tripura commencing from 16th evening/night for subsequent 24hrs.

Fishermen of Andaman Islands are advised not to venture into the sea during next 48 hrs. Fishermen along and off Andhra Pradesh, Odisha and West Bengal coasts are advised to be cautious while venturing into sea during next 48 hrs.

The next bulletin will be issued at 2030 hrs IST of the 15th May, 2013.

(KAMALJIT RAY)
Scientist-E

CC: DDGM (WF) Pune/DDGM RMC GUWAHATI/ ACWC Kolkata/ACWC Chennai/ CWC Visakhapatnam/Bhubaneswar/M.C. AGARTALA/Command MO Mumbai (022-22630084) /Command MO Visakhapatnam (0891-2709086)/ MO Port Blair (03192-229480).



भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750/23092398)
CONTROL ROOM NDMA (FAX.NO.26701729)
CABINET SECRETARIAT, (KIND ATTN SHRI TARA DUTT, JOINT SECRETARY)
(FAX.NO.23793144)
PS TO HON'BLE MINISTER FOR SCIENCE AND TECHNOLOGY AND EARTH SCIENCES (FAX NO.23316745)
SECRETARY, MoES, (Fax No. 24629777)
SECRETARY, DST (Fax No. 26863847/-2418)
H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147)
DIRECTOR GENERAL, DOORDARSHAN (23385843)
DIRECTOR GENERAL, AIR (25843825)
PIB MoES (FAX NO. 23389042)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)
DIRECTOR OF PUNCTUALITY, INDIAN RAILWAYS (FAX NO. 23388503)
CHIEF SECRETARY, GOVT. OF ANDAMAN & NICOBAR ISLAND (FAX NO. 03192-232656)
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CHIEF SECRETARY, GOVT OF MANIPUR (FAX No. 0385-2451144)
CHIEF SECRETARY, GOVT OF ODISHA (FAX No. 0674-2536660)
CHIEF SECRETARY, GOVT OF WEST BENGAL (FAX No. 033-22144328)
CHIEF SECRETARY, GOVT OF ASSAM (FAX No. 0361-2230982, 2237014)

Time of issue: 1830 hours IST

Dated: 15-05-2013

Bulletin No.: BOB 01/2013/27

Sub: Cyclonic Storm, VIYARU over westcentral Bay of Bengal

The cyclonic storm **VIYARU** over westcentral Bay of Bengal moved further north-northeastwards during past 6 hours at a speed of about 20 kmph and lay centred at 1730 hours IST of 15th May 2013 near latitude 18.0^o N and longitude 88.0^o E, about 900 km northwest of Portblair, 500 km south-southwest of Kolkata, 360 km southeast of Paradip and 630 km southwest of Chittagong. It would intensify further and move northeastwards and cross Bangladesh coast near Chittagong during night of 16th May 2013.

Based on latest analysis with NWP models and other conventional techniques, estimated track and intensity of the system are given in the Table below:

Date/Time(IST)	Position (Lat. ^o N/ Long. ^o E)	Sustained maximum surface wind speed (kmph)	Category
15-05-2013/1730	18.0/88.0	75-85 gusting to 95	Cyclonic Storm
15-05-2013/2330	18.8/88.7	80-90 gusting to 100	Cyclonic Storm
16-05-2013/0530	19.7/89.5	80-90 gusting to 100	Cyclonic Storm
16-05-2013/1130	20.6/90.3	80-90 gusting to 100	Cyclonic Storm
16-05-2013/1730	21.5/91.2	80-90 gusting to 100	Cyclonic Storm
17-05-2013/0530	23.3/93.0	55-65 gusting to 75	Deep Depression
17-05-2013/1730	25.1/95.5	25-35 gusting to 45	Low

Under the influence of this system, Rainfall at most places with isolated heavy falls would occur over South Assam, Mizoram, Manipur, Tripura and Nagaland on 16th and 17th.

Strong wind speed reaching 30-40 kmph would prevail along and off north Andhra Pradesh coast during next 12 hrs, Odisha coast during next 24 hours and West Bengal coast during next 36 hrs. However, wind speed would increase to 40-50 kmph gusting to 60 kmph along and off West Bengal coast from tomorrow, the 16th May morning.

Squally wind speed reaching 55-65 kmph gusting to 75 kmph would prevail over South Assam, Mizoram, Manipur, Tripura and Nagaland commencing from 16th evening/night for subsequent 24hrs.

Fishermen along and off Andhra Pradesh, Odisha and West Bengal coasts are advised to be cautious while venturing into sea during next 48 hrs.

The next bulletin will be issued at 0230 hrs IST of the 16th May, 2013.

(M.MOHAPATRA)
Scientist-E

CC: DDGM (WF) Pune/DDGM RMC GUWAHATI/ ACWC Kolkata/ACWC Chennai/ CWC Visakhapatnam/Bhubaneswar/M.C. AGARTALA/Command MO Mumbai (022-22630084) /Command MO Visakhapatnam (0891-2709086)/ MO Port Blair (03192-229480).



भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750/23092398)
CONTROL ROOM NDMA (FAX.NO.26701729)
CABINET SECRETARIAT, (KIND ATTN SHRI TARA DUTT, JOINT SECRETARY)
(FAX.NO.23793144)
PS TO HON'BLE MINISTER FOR SCIENCE AND TECHNOLOGY AND EARTH SCIENCES (FAX
NO.23316745)
SECRETARY, MoES, (Fax No. 24629777)
SECRETARY, DST (Fax No. 26863847/-2418)
H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147)
DIRECTOR GENERAL, DOORDARSHAN (23385843)
DIRECTOR GENERAL, AIR (25843825)
PIB MoES (FAX NO. 23389042)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)
DIRECTOR OF PUNCTUALITY, INDIAN RAILWAYS (FAX NO. 23388503)
CHIEF SECRETARY, GOVT. OF ANDAMAN & NICOBAR ISLAND (FAX NO. 03192-232656)
CHIEF SECRETARY, GOVT. OF TAMIL NADU (FAX NO. 044-25672304)
CHIEF SECRETARY, GOVT. OF PUDUCHERRY (FAX NO. 0413-2337575)
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CHIEF SECRETARY, GOVT OF MANIPUR (FAX No. 0385-2451144)
CHIEF SECRETARY, GOVT OF ODISHA (FAX No. 0674-2536660)
CHIEF SECRETARY, GOVT OF WEST BENGAL (FAX No. 033-22144328)
CHIEF SECRETARY, GOVT OF ASSAM (FAX No. 0361-2230982, 2237014)

Time of issue: 0230 hours IST

Dated: 16-05-2013

Bulletin No.: BOB 01/2013/28

Sub: Cyclonic Storm, VIYARU over westcentral & adjoining eastcentral
Bay of Bengal

The cyclonic storm **VIYARU** over westcentral Bay of Bengal moved further north-northeastwards during past 6 hours at a speed of about 20 kmph and lay centred at 2330 hours IST of 15th May 2013 near latitude 19.0° N and longitude 88.5° E, about 930 km north-northwest of Portblair, 390 km south of Kolkata, 240 km south-southeast of Paradip and 510 km southwest of Chittagong. It would intensify further and move northeastwards and cross Bangladesh coast near Chittagong during night of 16th May 2013.

Based on latest analysis with NWP models and other conventional techniques, estimated track and intensity of the system are given in the Table below:

Date/Time(IST)	Position (Lat. °N/ Long. °E)	Sustained maximum surface wind speed (kmph)	Category
15-05-2013/2330	19.0/88.5	75-85 gusting to 95	Cyclonic Storm
16-05-2013/0530	19.7/89.5	80-90 gusting to 100	Cyclonic Storm
16-05-2013/1130	20.6/90.3	80-90 gusting to 100	Cyclonic Storm
16-05-2013/1730	21.5/91.2	80-90 gusting to 100	Cyclonic Storm
16-05-2013/2330	22.4/92.1	80-90 gusting to 100	Cyclonic Storm
17-05-2013/0530	23.3/93.0	55-65 gusting to 75	Deep Depression
17-05-2013/1730	25.1/95.5	25-35 gusting to 45	Low

Under the influence of this system, Rainfall at most places with isolated heavy falls would occur over South Assam, Mizoram, Manipur, Tripura and Nagaland during next 48 hours.

Strong wind speed reaching 30-40 kmph would prevail along and off north Odisha coast and wind speed 40-50 kmph gusting to 60 kmph would prevail along and off West Bengal coast during next 24 hours.

Squally wind speed reaching 55-65 kmph gusting to 75 kmph would prevail over South Assam, Mizoram, Manipur, Tripura and Nagaland commencing from 16th evening/night for subsequent 24hrs.

Fishermen along and off Andhra Pradesh, Odisha and West Bengal coasts are advised to be cautious while venturing into sea during next 36 hrs.

The next bulletin will be issued at 0830 hrs IST of the 16th May, 2013.

(Naresh Kumar)
Meteorologist

CC: DDGM (WF) Pune/DDGM RMC GUWAHATI/ ACWC Kolkata/ACWC Chennai/ CWC Visakhapatnam/Bhubaneswar/M.C. AGARTALA/Command MO Mumbai (022-22630084) /Command MO Visakhapatnam (0891-2709086)/ MO Port Blair (03192-229480).



भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750/23092398)
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CHIEF SECRETARY, GOVT. OF ANDAMAN & NICOBAR ISLAND (FAX NO. 03192-232656)
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CHIEF SECRETARY, GOVT OF WEST BENGAL (FAX No. 033-22144328)
CHIEF SECRETARY, GOVT OF ASSAM (FAX No. 0361-2230982, 2237014)

Time of issue: 0830 hours IST

Dated: 16-05-2013

Bulletin No.: BOB 01/2013/29

Sub: Cyclonic Storm, VIYARU over northwest Bay of Bengal

The cyclonic storm **VIYARU** over westcentral Bay of Bengal moved northeastwards during past 6 hours at a speed of about 25 kmph and lay centred at 0530 hours IST of 16th May 2013 near latitude 20.0° N and longitude 89.5° E over northwest Bay of Bengal, about 990 km north-northwest of Portblair, 310 km south-southeast of Kolkata, 300 km east of Paradip and 360 km southwest of Chittagong. It would move northeastwards and cross Bangladesh coast near Chittagong during night of 16th May 2013.

Based on latest analysis with NWP models and other conventional techniques, estimated track and intensity of the system are given in the Table below:

Date/Time(IST)	Position (Lat. °N/ Long. °E)	Sustained maximum surface wind speed (kmph)	Category
16-05-2013/0530	20.0/89.5	75-85 gusting to 95	Cyclonic Storm
16-05-2013/1130	20.9/90.4	75-85 gusting to 95	Cyclonic Storm
16-05-2013/1730	21.8/91.3	75-85 gusting to 95	Cyclonic Storm
16-05-2013/2330	22.7/92.2	55-65 gusting to 75	Deep Depression
17-05-2013/0530	23.5/93.1	45-55 gusting to 65	Depression
17-05-2013/1730	25.0/94.8	25-35 gusting to 45	Low

Under the influence of this system, Rainfall at most places with isolated heavy falls would occur over South Assam, Mizoram, Manipur, Tripura and Nagaland during next 36 hours.

Strong wind speed reaching 30-40 kmph would prevail along and off north Odisha coast and wind speed 40-50 kmph gusting to 60 kmph would prevail along and off West Bengal coast during next 24 hours.

Squally wind speed reaching 55-65 kmph gusting to 75 kmph would prevail over South Assam, Mizoram, Manipur, Tripura and Nagaland commencing from today, the 16th May 2013 evening/night for subsequent 24 hours.

Fishermen along and off Andhra Pradesh, Odisha and West Bengal coasts are advised to be cautious while venturing into sea during next 36 hrs.

Damage expected over South Assam, Mizoram, Manipur, Tripura and Nagaland:
Damage to thatched huts. Breaking of tree branches causing minor damage to power and communication lines.

The next bulletin will be issued at 1130 hrs IST of the 16th May, 2013.

(Naresh Kumar)
Meteorologist

CC: DDGM (WF) Pune/DDGM RMC GUWAHATI/ ACWC Kolkata/ACWC Chennai/ CWC Visakhapatnam/Bhubaneswar/M.C. AGARTALA/Command MO Mumbai (022-22630084) /Command MO Visakhapatnam (0891-2709086)/ MO Port Blair (03192-229480).



भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750/23092398)
CONTROL ROOM NDMA (FAX.NO.26701729)
CABINET SECRETARIAT, (KIND ATTN SHRI TARA DUTT, JOINT SECRETARY)
(FAX.NO.23793144)
PS TO HON'BLE MINISTER FOR SCIENCE AND TECHNOLOGY AND EARTH SCIENCES (FAX NO.23316745)
SECRETARY, MoES, (Fax No. 24629777)
SECRETARY, DST (Fax No. 26863847/-2418)
H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147)
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CHIEF SECRETARY, GOVT OF WEST BENGAL (FAX No. 033-22144328)
CHIEF SECRETARY, GOVT OF ASSAM (FAX No. 0361-2230982, 2237014)

Time of issue: 1030 hours IST

Dated: 16-05-2013

Bulletin No.: BOB 01/2013/30

Sub: Cyclonic Storm, VIYARU over North Bay of Bengal

The cyclonic storm **VIYARU** over north Bay of Bengal moved northeastwards during past 6 hours at a speed of about 25 kmph and lay centred at 0830 hours IST of 16th May 2013 near latitude 21.0° N and longitude 90.0° E over northwest Bay of Bengal, about 240 km south-southeast of Kolkata and 240 km southwest of Chittagong. It would move northeastwards and cross Bangladesh coast near Chittagong during evening of 16th May 2013.

Based on latest analysis with NWP models and other conventional techniques, estimated track and intensity of the system are given in the Table below:

Date/Time(IST)	Position (Lat. °N/ Long. °E)	Sustained maximum surface wind speed (kmph)	Category
16-05-2013/0830	21.0/90.0	75-85 gusting to 95	Cyclonic Storm
16-05-2013/1130	21.7/90.5	75-85 gusting to 95	Cyclonic Storm
16-05-2013/1730	22.5/91.6	75-85 gusting to 95	Cyclonic Storm
16-05-2013/2330	23.3/92.5	75-85 gusting to 95	Cyclonic Storm
17-05-2013/0530	24.2/93.4	55-65 gusting to 75	Deep Depression
17-05-2013/1730	25.5/95.0	25-35 gusting to 45	Low

Under the influence of this system, Rainfall at most places with heavy to very heavy falls at a few places would occur over South Assam, Mizoram, Manipur, Tripura and Nagaland during next 36 hours.

Strong wind speed reaching 40-50 kmph gusting to 60 kmph would prevail along and off West Bengal coast during next 12 hours.

Squally wind speed reaching 55-65 kmph gusting to 75 kmph would prevail over South Assam, Mizoram, Manipur, Tripura and Nagaland for subsequent 36 hours.

Damage expected over South Assam, Mizoram, Manipur, Tripura and Nagaland:
Damage to thatched huts. Breaking of tree branches causing minor damage to power and communication lines.

Fishermen along and off West Bengal coast are advised to be cautious while venturing into sea during next 24 hrs.

The next bulletin will be issued at 1430 hrs IST of the 16th May, 2013.

(M.Mohapatra)
Scientist-E

CC: DDGM (WF) Pune/DDGM RMC GUWAHATI/ ACWC Kolkata/ACWC Chennai/ CWC Visakhapatnam/Bhubaneswar/M.C. AGARTALA/Command MO Mumbai (022-22630084) /Command MO Visakhapatnam (0891-2709086)/ MO Port Blair (03192-229480).



भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750/23092398)
CONTROL ROOM NDMA (FAX.NO.26701729)
CABINET SECRETARIAT, (KIND ATTN SHRI TARA DUTT, JOINT SECRETARY)
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CHIEF SECRETARY, GOVT OF ASSAM (FAX No. 0361-2230982, 2237014)
CHIEF SECRETARY, GOVT OF MEGHALAYA (FAX No. 0364-2224801)

Time of issue: 1230 hours IST

Dated: 16-05-2013

Bulletin No.: BOB 01/2013/31

Sub: Cyclonic Storm, VIYARU over northeast Bay of Bengal

The cyclonic storm **VIYARU** over north Bay of Bengal moved north-northeastwards during past 6 hours at a speed of about 40 kmph and lay centred at 1130 hours IST of 16th May 2013 over northeast Bay of Bengal near latitude 22.5° N and longitude 91.0° E, close to Hatia Island, Bangladesh about 85 km west-northwest of Chittagong and 70 km south-southwest of Feni (Bangladesh). It would move north-northeastwards and cross Bangladesh coast between Feni and Chittagong during next few hours.

The cyclonic storm **VIYARU** is being tracked by DWR Kolkata and DWR Agartala and DWR Cox's Bazar alongwith other conventional and satellite observations.

Based on latest analysis with NWP models and other conventional techniques, estimated track and intensity of the system are given in the Table below:

Date/Time(IST)	Position (Lat. °N/ Long. °E)	Sustained maximum surface wind speed (kmph)	Category
16-05-2013/1130	22.5/91.0	75-85 gusting to 95	Cyclonic Storm
16-05-2013/1730	24.0/92.5	55-65 gusting to 75	Deep Depression
16-05-2013/2330	25.5/94.0	45-55 gusting to 65	Depression
17-05-2013/0530	26.5/95.5	25-35 gusting to 45	Low

Under the influence of this system, Rainfall at most places with heavy to very heavy falls at a few places would occur over South Assam, Mizoram, Manipur, Tripura and

Nagaland during next 36 hours. Rainfall at most places with heavy to very heavy falls would occur over rest Assam and Meghalaya during the same period.

Strong wind speed reaching 40-50 kmph gusting to 60 kmph would prevail along and off West Bengal coast during next 12 hours.

Squally wind speed reaching 55-65 kmph gusting to 75 kmph would prevail over South Assam, Mizoram, Manipur, Tripura and Nagaland for subsequent 24 hours.

Damage expected over South Assam, Mizoram, Manipur, Tripura and Nagaland:
Damage to thatched huts. Breaking of tree branches causing minor damage to power and communication lines.

Fishermen along and off West Bengal coast are advised to be cautious while venturing into sea during next 24 hrs.

The next bulletin will be issued at 1730 hrs IST of the 16th May, 2013.

(M.Mohapatra)
Scientist-E

CC: DDGM (WF) Pune/DDGM RMC GUWAHATI/ ACWC Kolkata/ACWC Chennai/ CWC Visakhapatnam/Bhubaneswar/M.C. AGARTALA/Command MO Mumbai (022-22630084) /Command MO Visakhapatnam (0891-2709086)/ MO Port Blair (03192-229480).



भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750/23092398)
CONTROL ROOM NDMA (FAX.NO.26701729)
CABINET SECRETARIAT, (KIND ATTN SHRI TARA DUTT, JOINT SECRETARY)
(FAX.NO.23793144)
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SECRETARY, DST (Fax No. 26863847/-2418)
H.Q. (INTEGRATED DEFENCE STAFF AND CDS) (FAX NO. 23005137/23005147)
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CHIEF SECRETARY, GOVT OF ASSAM (FAX No. 0361-2230982, 2237014)
CHIEF SECRETARY, GOVT OF MEGHALAYA (FAX No. 0364-2224801)

Time of issue: 1600 hours IST

Dated: 16-05-2013

Bulletin No.: BOB 01/2013/32

Sub: Cyclonic Storm, VIYARU over northeast Bay of Bengal

The cyclonic storm **VIYARU** over northeast Bay of Bengal moved north-northeastwards during past 6 hours at a speed of about 50 kmph and crossed Bangladesh coast between Chittagong and Feni, near latitude 22.8°N and longitude 91.4°E (about 30 km south of Feni), around 1330 hours IST of today, the 16th May 2013. It lay centred at 1430 hours IST of 16th May 2013 over Bangladesh near latitude 23.5° N and longitude 92.0° E, about 75 km southwest of Aizal and 85 km southeast of Agartala. It would move north-northeastwards and weaken into a deep depression during next 3-6 hours.

Based on latest analysis with NWP models and other conventional techniques, estimated track and intensity of the system are given in the Table below:

Date/Time(IST)	Position (Lat. °N/ Long. °E)	Sustained maximum surface wind speed (kmph)	Category
16-05-2013/1430	23.5/92.0	75-85 gusting to 95	Cyclonic Storm
16-05-2013/1730	24.0/92.5	55-65 gusting to 75	Deep Depression
16-05-2013/2330	25.5/94.0	45-55 gusting to 65	Depression
17-05-2013/0530	26.5/95.5	25-35 gusting to 45	Low

Under the influence of this system, Rainfall at most places with heavy to very heavy falls at a few places would occur over South Assam, Mizoram, Manipur, Tripura and Nagaland during next 24 hours. Rainfall at most places with isolated heavy to very heavy falls would occur over rest Assam and Meghalaya during the same period.

Squally wind speed reaching 55-65 kmph gusting to 75 kmph would prevail over South Assam, Mizoram, Manipur, Tripura and Nagaland for subsequent 24 hours.

Damage expected over South Assam, Mizoram, Manipur, Tripura and Nagaland:
Damage to thatched huts. Breaking of tree branches causing minor damage to power and communication lines.

The next bulletin will be issued at 2030 hrs IST of the 16th May, 2013.

(M.Mohapatra)
Scientist-E

CC: DDGM (WF) Pune/DDGM RMC GUWAHATI/ ACWC Kolkata/ACWC Chennai/ CWC Visakhapatnam/Bhubaneswar/M.C. AGARTALA/Command MO Mumbai (022-22630084) /Command MO Visakhapatnam (0891-2709086)/ MO Port Blair (03192-229480).



भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

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CHIEF SECRETARY, GOVT OF ASSAM (FAX No. 0361-2230982, 2237014)
CHIEF SECRETARY, GOVT OF MEGHALAYA (FAX No. 0364-2224801)

Time of issue: 1900 hours IST

Dated: 16-05-2013

Bulletin No.: BOB 01/2013/33

Sub: Cyclonic Storm, VIYARU weakened into Deep depression over Mizoram

The cyclonic storm **VIYARU** over Bay of Bengal moved northeastwards and weakened into a deep depression and lay centred at 1730 hours IST of 16th May 2013 over Mizoram near latitude 24.0° N and longitude 92.5° E, about 35 km North of Aizal. It would move northeastwards and weaken into a depression during next 6 hours.

Based on latest analysis with NWP models and other conventional techniques, estimated track and intensity of the system are given in the Table below:

Date/Time(IST)	Position (Lat. °N/ Long. °E)	Sustained maximum surface wind speed (kmph)	Category
16-05-2013/1730	24.0/92.5	50-60 gusting to 70	Deep Depression
16-05-2013/2330	25.5/94.0	35-45 gusting to 55	Depression
17-05-2013/0530	26.5/95.5	25-35 gusting to 45	Low

Under the influence of this system, Rainfall at most places with heavy to very heavy falls at a isolated places would occur over South and east Assam, Mizoram, Manipur, Tripura and Nagaland during next 24 hours.

Squally wind speed reaching 50 -60 kmph gusting to 70 kmph would prevail over South Assam, Mizoram, Manipur, Tripura and Nagaland during next 12 hours.

The next bulletin will be issued at 0230 hrs IST of the 17th May, 2013.

(Kamaljit Ray)
Scientist-E

CC: DDGM (WF) Pune/DDGM RMC GUWAHATI/ ACWC Kolkata/CWC
Visakhapatnam/Bhubaneswar/M.C. AGARTALA/



भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT

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CHIEF SECRETARY, GOVT OF ASSAM (FAX No. 0361-2230982, 2237014)
CHIEF SECRETARY, GOVT OF MEGHALAYA (FAX No. 0364-2224801)

Time of issue: 0100 hours IST

Dated: 17-05-2013

Bulletin No.: BOB 01/2013/34

Sub: Deep depression over Mizoram weaken.

The deep depression over Mizoram moved northeastward and weakened into depression and lay centred at 2330 hours IST of 16th May 2013 over Manipur near latitude 25.0° N and longitude 93.5° E, about 40 km west-northwest of Imphal. It would move northeastwards and weaken into a low pressure area during next 12 hours.

Under the influence of this system, rainfall at most places with heavy to very heavy falls at isolated places would occur over south and east Assam, Mizoram, Manipur, and Nagaland during next 12 hours.

The next bulletin will be issued at 0830 hrs IST of the 17th May, 2013.

(T.N.Jha)
Scientist-E

CC: DDGM (WF) Pune/DDGM RMC GUWAHATI/ ACWC Kolkata/CWC
Visakhapatnam/Bhubaneswar/M.C. AGARTALA/



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CHIEF SECRETARY, GOVT OF MEGHALAYA (FAX No. 0364-2224801)

Time of issue: 0800 hours IST

Dated: 17-05-2013

Bulletin No.: BOB 01/2013/35

Sub: Depression over Manipur weakened.

The depression over Manipur moved northeastward and weakened into low pressure area at 0530 hours IST of 17th May 2013 over Nagaland and adjoining area of East Assam and Manipur. It would further move northeastwards and become less marked during next 24 hours.

Under the influence of this system, rainfall at many places with heavy falls at isolated places would occur over east Assam, Manipur, and Nagaland during next 12 hours.

This is the last bulletin for the cyclonic storm 'VIYARU'.

(T. N. Jha)
Scientist-E

CC: DDGM (WF) Pune /DDGM RMC GUWAHATI/ ACWC Kolkata/CWC Visakhapatnam
/Bhubaneswar/M.C. AGARTALA.



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CHIEF SECRETARY, GOVT OF MEGHALAYA (FAX No. 0364-2224801)

Time of issue: 1100 hours IST

Dated: 17-05-2013

Bulletin No.: BOB 01/2013/36

Sub: Well marked low pressure area became unimportant.

The well marked low pressure area over Nagaland moved northeastward towards Myanmar and became unimportant at 0830 hours IST of 17th May 2013.

Under the influence of this system, no significant weather would occur over northeastern states.

Realised Weather:

Surface Wind: Maximum surface wind of 92 kmph has been reported over Patuakhali, Bangladesh during the time of landfall of Cyclonic Storm, VIYARU against the forecast wind speed of 75-85 kmph gusting to 95 kmph. Surface wind of 35-45 kmph prevailed over Mizoram, Manipur and Tripura against forecast of 55-65 kmph.

Rainfall: Widespread rainfall with isolated heavy to very heavy falls occurred over Bangladesh. Fairly widespread rainfall with isolated heavy rainfall also occurred over Mizoram, Manipur and Tripura.

Storm surge: Though occurrence of storm surge has been reported in media, no report has been received from Bangladesh.

This is the last bulletin for this system.

(M. Mohapatra)
Scientist-E

CC: DDGM (WF) Pune /DDGM RMC GUWAHATI/ ACWC Kolkata/CWC, Visakhapatnam /Bhubaneswar/M.C. AGARTALA.

