



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Bulletin No.: 01 (BOB 02/2016)

Time of issue: 0830 hours IST

Dated: 21.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

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

CONTROL ROOM NDMA (FAX.NO. 26701729)

CABINET SECRETARIAT (FAX.NO.23793144)

PS TO HON'BLE MINISTER FOR S & T 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)

UNI (FAX NO. 23355841)

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

CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)

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

CHIEF SECRETARY, GOVT. OF WEST BENGAL (033-22144328)

CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX No. 03192-223331)

Sub: Depression over Central Bay of Bengal

Latest observations and satellite imagery indicate that a depression has formed over central and adjoining southeast Bay of Bengal and lay centred at 0530 hrs IST of today, the 21st October, 2016 near Latitude 13.5° N and Longitude 88.5 °E, about 500 km west-northwest of Port Blair and 900 km west-southwest of Yangon. The system is likely to move east-northeastwards towards Myanmar coast and intensify into a deep depression during next 24 hours.

Warning:

- (i) Heavy Rainfall Warning:** Rainfall at many places with heavy rainfall at isolated places would occur over over Andaman Islands during next 48 hrs.
- (ii) Wind warning:** Squally winds speed reaching 45-55 kmph gusting to 65 kmph would prevail over Andaman Islands and adjoining Sea areas during next 48 hours.
- (iii) Sea condition:** Sea condition would be rough to very rough along and off Andaman Islands during next 48 hours.
- (iv) Fishermen Warning :** Fishermen are advised not to venture into sea along & off Andaman Islands during next 48 hrs.

The next bulletin will be issued at 1130 hrs IST of 21st October 2016.

(M. MOHAPATRA)
Scientist-G (Services) &
Head RSMC Tropical Cyclones, New Delhi

*Copy to: DFDD, Pune/ACWC Kolkata /ACWC Chennai/CWC Vishakhapatnam/CWC
Bhubaneswar/MC Hyderabad.*

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Bulletin No.: 02 (BOB 03/2016)

Time of issue: 1100 hours IST

Dated: 21.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

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

CONTROL ROOM NDMA (FAX.NO. 26701729)

CABINET SECRETARIAT (FAX.NO.23793144)

PS TO HON'BLE MINISTER FOR S & T 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)

UNI (FAX NO. 23355841)

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

CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)

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

CHIEF SECRETARY, GOVT. OF WEST BENGAL (033-22144328)

CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX No. 03192-223331)

Sub: Depression over Central Bay of Bengal & adjoining southeast Bay of Bengal

The depression over central & adjoining southeast Bay of Bengal remained practically stationary during past 3 hours and lay centred at 0830 hrs IST of today, the 21st October, 2016 near Latitude 13.5° N and Longitude 88.5 °E, about 500 km west-northwest of Port Blair and 900 km west-southwest of Yangoon. The system is very likely to move east-northeastwards and reach near Myanmar coast on 23rd October. The system is most likely to intensify into a deep depression during next 24 hours and into a cyclonic storm during subsequent 24 hours.

Warning:

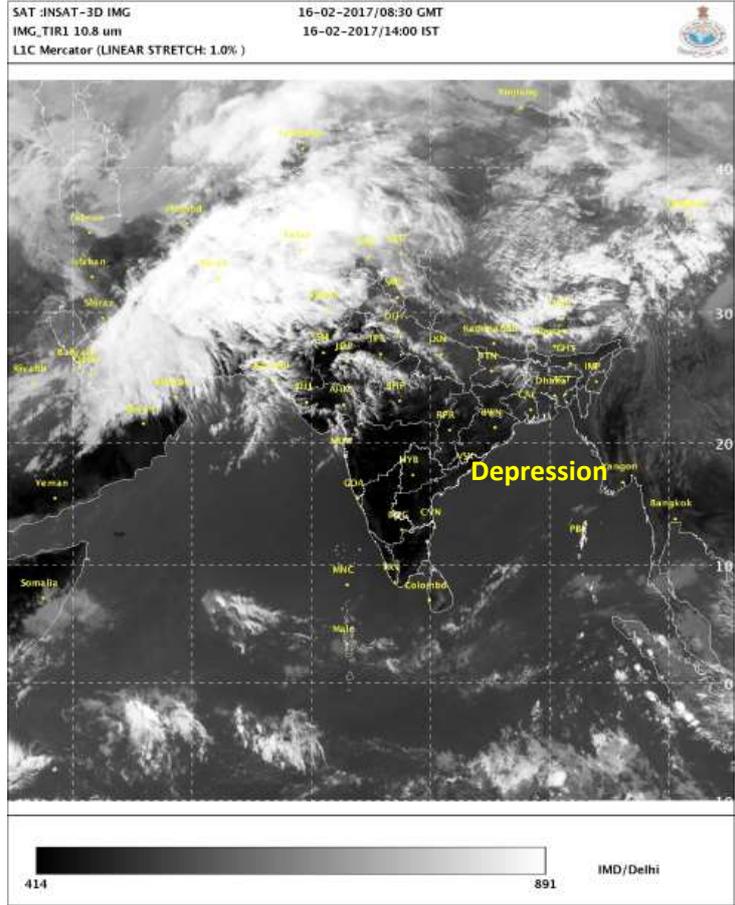
- (v) **Heavy Rainfall Warning:** Rainfall at many places with heavy rainfall at isolated places very likely to occur over Andaman Islands on 22nd & 23rd October, 2016.
- (vi) **Wind warning:** Squally winds speed reaching 45-55 kmph gusting to 65 kmph would prevail over Andaman Islands & adjoining Sea areas during next 48 hours.
- (vii) **Sea condition:** Sea condition very likely to be rough to very rough along & off Andaman Islands during next 48 hours.
- (viii) **Fishermen Warning:** Fishermen are advised not to venture into sea along & off Andaman Islands during next 48 hrs.

The next bulletin will be issued at 1430 hrs IST of 21st October 2016.

(Naresh Kumar)
Scientist-D

Copy to: DFDD, Pune/ACWC Kolkata /ACWC Chennai/CWC Vishakhapatnam/CWC
Bhubaneswar/MC Hyderabad.

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Bulletin No.: 03 (BOB 03/2016)

Time of issue: 1300 hours IST

Dated: 21.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

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

CONTROL ROOM NDMA (FAX.NO. 26701729)

CABINET SECRETARIAT (FAX.NO.23793144)

PS TO HON'BLE MINISTER FOR S & T 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)

UNI (FAX NO. 23355841)

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

CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)

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

CHIEF SECRETARY, GOVT. OF WEST BENGAL (033-22144328)

CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX No. 03192-223331)

Sub: Depression over Central & adjoining southeast Bay of Bengal

The depression over central & adjoining southeast Bay of Bengal moved east- northeastwards with a speed about 14 kmph during past 6 hours and lay centred at 1130 hrs IST of today, the 21st October, 2016 over central & adjoining southeast Bay of Bengal near Latitude 13.7° N and Longitude 89.3 °E, about 430 km west-northwest of Port Blair and 800 km west-southwest of Yangoon. The system is very likely to move east-northeastwards and reach near Myanmar coast on 23rd October. The system is most likely to intensify into a deep depression during next 24 hours and into a cyclonic storm during subsequent 24 hours.

Warning:

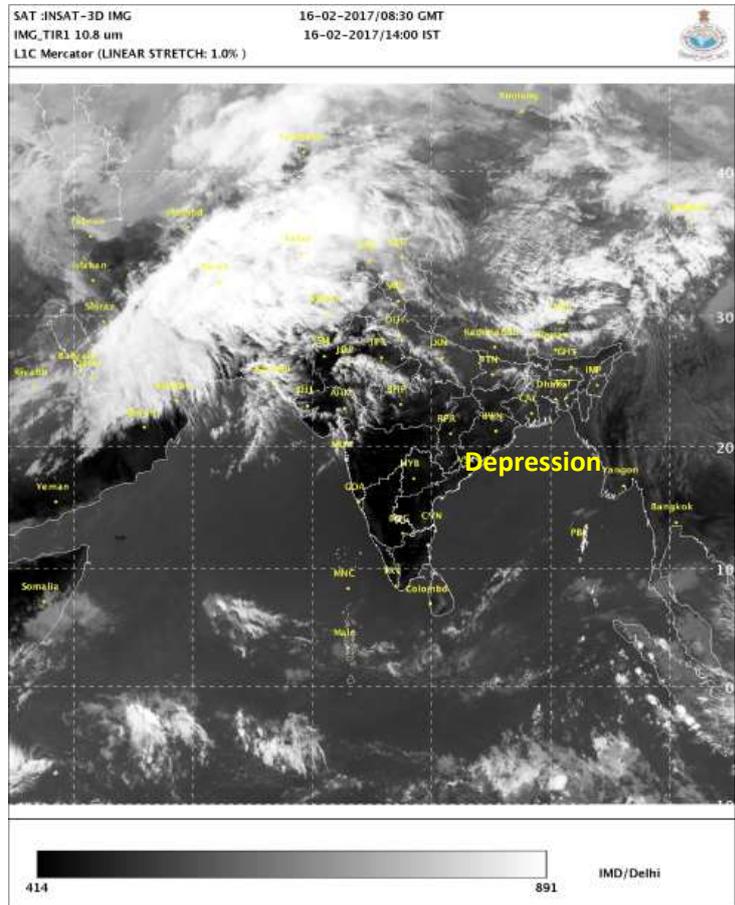
- (ix) **Heavy Rainfall Warning:** Rainfall at many places with heavy rainfall at isolated places very likely to occur over Andaman Islands on 22nd & 23rd October, 2016.
- (x) **Wind warning:** Squally winds speed reaching 45-55 kmph gusting to 65 kmph would prevail over Andaman Islands & adjoining Sea areas during next 48 hours.
- (xi) **Sea condition:** Sea condition very likely to be rough to very rough along & off Andaman Islands during next 48 hours.
- (xii) **Fishermen Warning:** Fishermen are advised not to venture into sea along & off Andaman Islands during next 48 hrs.

The next bulletin will be issued at 2030 hrs IST of 21st October 2016.

(Naresh Kumar)
Scientist-D

Copy to: DFDD, Pune/ACWC Kolkata /ACWC Chennai/CWC Vishakhapatnam/CWC
Bhubaneswar/MC Hyderabad.

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Bulletin No.: 04 (BOB 03/2016)

Time of issue: 2100 hours IST

Dated: 21.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

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

CONTROL ROOM NDMA (FAX.NO. 26701729)

CABINET SECRETARIAT (FAX.NO.23793144)

PS TO HON'BLE MINISTER FOR S & T 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)

UNI (FAX NO. 23355841)

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

CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)

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

CHIEF SECRETARY, GOVT. OF WEST BENGAL (033-22144328)

CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX No. 03192-223331)

Sub: Depression over eastcentral & adjoining southeast Bay of Bengal

The depression over central & adjoining southeast Bay of Bengal moved further east- northeastwards with a speed about 10 kmph during past 6 hours and lay centred at 1730 hrs IST of today, the 21st October, 2016 over eastcentral & adjoining southeast Bay of Bengal near Latitude 13.9° N and Longitude 89.8 °E, about 400 km west-northwest of Port Blair and 750 km west-southwest of Yangon. The system is most likely to intensify into a deep depression during next 24 hours and into a cyclonic storm during subsequent 24 hours. It will continue to move east-northeastwards and reach near Myanmar coast on 23rd October. Thereafter, it would recurve west-northwestwards towards northwest & adjoining westcentral Bay of Bengal.

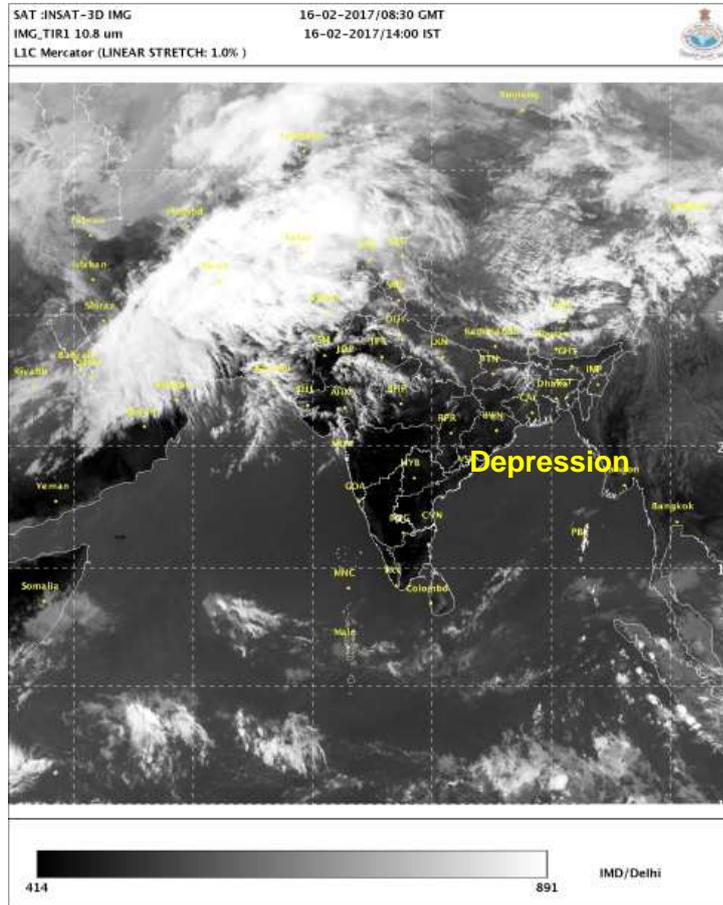
Warning:

- (xiii) **Heavy Rainfall Warning:** Rainfall at many places with heavy rainfall at isolated places very likely to occur over Andaman Islands on 22nd & 23rd October, 2016.
- (xiv) **Wind warning:** Squally winds speed reaching 45-55 kmph gusting to 65 kmph would prevail over Andaman Islands & adjoining Sea areas during next 48 hours.
- (xv) **Sea condition:** Sea condition very likely to be rough to very rough along & off Andaman Islands during next 48 hours.
- (xvi) **Fishermen Warning:** Fishermen are advised not to venture into sea along & off Andaman Islands during next 48 hrs.

The next bulletin will be issued at 0230 hrs IST of 22nd October 2016.

(Naresh Kumar)
Scientist-D

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Bulletin No.: 05 (BOB 03/2016)

Time of issue: 0030 hours IST

Dated: 22.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

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

CONTROL ROOM NDMA (FAX.NO. 26701729)

CABINET SECRETARIAT (FAX.NO.23793144)

PS TO HON'BLE MINISTER FOR S & T 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)

UNI (FAX NO. 23355841)

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

CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)

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

CHIEF SECRETARY, GOVT. OF WEST BENGAL (033-22144328)

CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX No. 03192-223331)

Sub: Depression over eastcentral & adjoining southeast Bay of Bengal

The depression over central & adjoining southeast Bay of Bengal remained practically stationary during past 6 hours and lay centred at 2330 hrs IST of yesterday, the 21st October, 2016 over eastcentral & adjoining southeast Bay of Bengal near Latitude 13.9° N and Longitude 89.8 °E, about 400 km west-northwest of Port Blair and 750 km west-southwest of Yangoon. The system is most likely to intensify into a deep depression during next 24 hours and into a cyclonic storm during subsequent 24 hours. It will move east-northeastwards and reach near Myanmar coast on 23rd October. Thereafter, it would recurve west-northwestwards towards northwest & adjoining westcentral Bay of Bengal.

Warning:

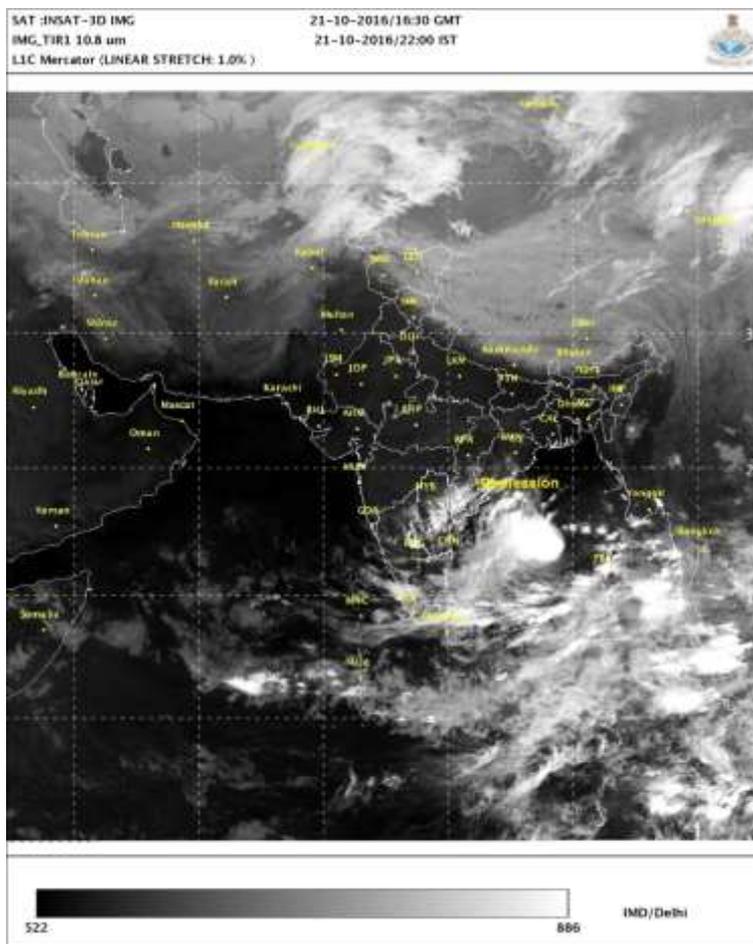
- (xvii) Heavy Rainfall Warning:** Rainfall at many places with heavy rainfall at isolated places very likely to occur over Andaman Islands during next 48 hours.
- (xviii) Wind warning:** Squally winds speed reaching 45-55 kmph gusting to 65 kmph would prevail over Andaman Islands & adjoining Sea areas during next 48 hours.
- (xix) Sea condition:** Sea condition very likely to be rough to very rough along & off Andaman Islands during next 48 hours.
- (xx) Fishermen Warning:** Fishermen are advised not to venture into sea along & off Andaman Islands during next 48 hrs.

The next bulletin will be issued at 0830 hrs IST of today, the 22nd October 2016.

**(Naresh Kumar)
Scientist-D**

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.

Copy to: DFDD, Pune/ACWC Kolkata /ACWC Chennai/CWC Vishakhapatnam/CWC Bhubaneswar/MC Hyderabad.



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Bulletin No.: 06 (BOB 03/2016)

Time of issue: 0800 hours IST

Dated: 22.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

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

CONTROL ROOM NDMA (FAX.NO. 26701729)

CABINET SECRETARIAT (FAX.NO.23793144)

PS TO HON'BLE MINISTER FOR S & T 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)

UNI (FAX NO. 23355841)

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

CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)

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

CHIEF SECRETARY, GOVT. OF WEST BENGAL (033-22144328)

CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX No. 03192-223331)

Sub: Depression over eastcentral & adjoining southeast Bay of Bengal

The depression over eastcentral & adjoining southeast Bay of Bengal moved eastwards with speed of 5 kmph during past 6 hrs and lay centred at 0530 hrs IST of today, the 22nd October, 2016 over eastcentral & adjoining southeast Bay of Bengal, near Latitude 13.9° N and Longitude 90.0° E, about 380 km west-northwest of Port Blair and 730 km west-southwest of Yangon. The system is most likely to intensify into a deep depression during next 24 hours and into a cyclonic storm during subsequent 24 hours. It will move east-northeastwards and reach near Myanmar coast on 23rd October. Thereafter, it would recurve west-northwestwards towards northwest & adjoining westcentral Bay of Bengal.

Warning:

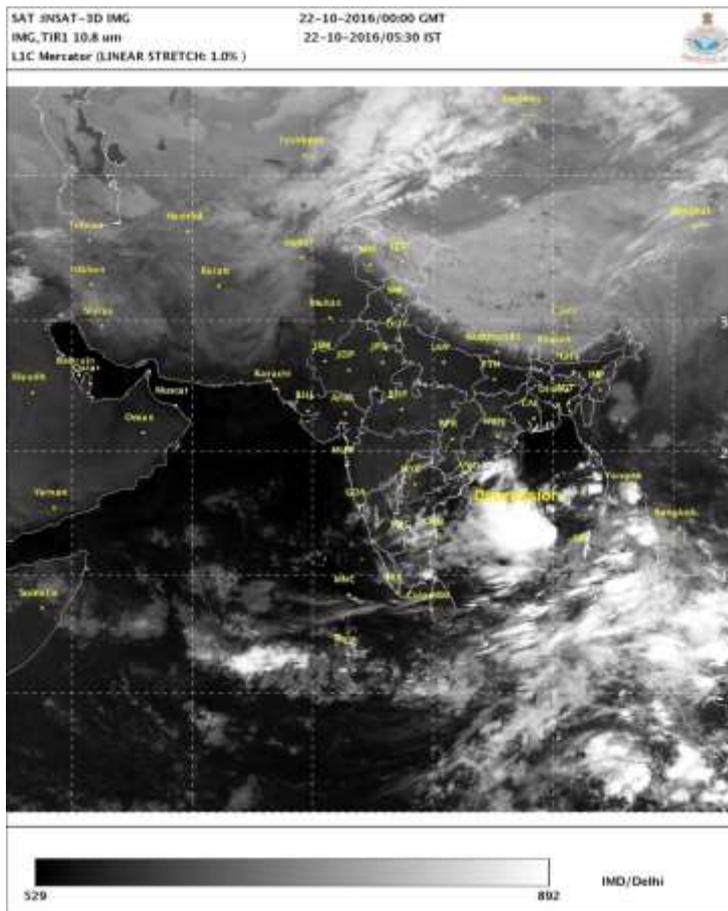
- (xxi) Heavy Rainfall Warning:** Rainfall at many places with heavy rainfall at isolated places very likely to occur over Andaman Islands during next 48 hours.
- (xxii) Wind warning:** Squally winds speed reaching 45-55 kmph gusting to 65 kmph would prevail over Andaman Islands & adjoining Sea areas during next 48 hours.
- (xxiii) Sea condition:** Sea condition very likely to be rough to very rough over and around Andaman Islands during next 48 hours.
- (xxiv) Fishermen Warning:** Fishermen are advised not to venture into sea around Andaman Islands during next 48 hrs.

The next bulletin will be issued at 1130 hrs IST of today, the 22nd October 2016.

**(Charan Singh)
Scientist-E**

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.

Copy to: DFDD, Pune/ACWC Kolkata /ACWC Chennai/CWC Vishakhapatnam/CWC Bhubaneswar/MC Hyderabad.



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Bulletin No.: 07 (BOB 03/2016)

Time of issue: 1130 hours IST

Dated: 22.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

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

CONTROL ROOM NDMA (FAX.NO. 26701729)

CABINET SECRETARIAT (FAX.NO.23793144)

PS TO HON'BLE MINISTER FOR S & T 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)

UNI (FAX NO. 23355841)

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

CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)

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

CHIEF SECRETARY, GOVT. OF WEST BENGAL (033-22144328)

CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX No. 03192-223331)

Sub: Depression over eastcentral Bay of Bengal

The depression over eastcentral & adjoining southeast Bay of Bengal moved east-northeastwards with speed of 8 kmph during past 6 hrs and lay centred at 0830 hrs IST of today, the 22nd October, 2016 over eastcentral Bay of Bengal, near Latitude 14.0° N and Longitude 90.5° E, about 350 km northwest of Port Blair and 680 km southwest of Yangon. The system is most likely to intensify into a deep depression during next 24 hours and into a cyclonic storm during subsequent 24 hours. It will move east-northeastwards and reach eastcentral Bay of Bengal off north Myanmar coast on 23rd October evening/night. Thereafter, it will recurve initially north-northwestwards skipping Myanmar coast and then northwestwards towards northwest & adjoining westcentral Bay of Bengal.

Warning:

(xxv) Heavy Rainfall Warning: Moderate rainfall (2-4 cm) at many places is very likely to occur over north Andaman Islands on 23rd & 24th October.

(xxvi) Wind warning: Squally winds speed reaching 45-55 kmph gusting to 65 kmph very likely prevail over Andaman Islands & adjoining Sea areas during next 48 hours.

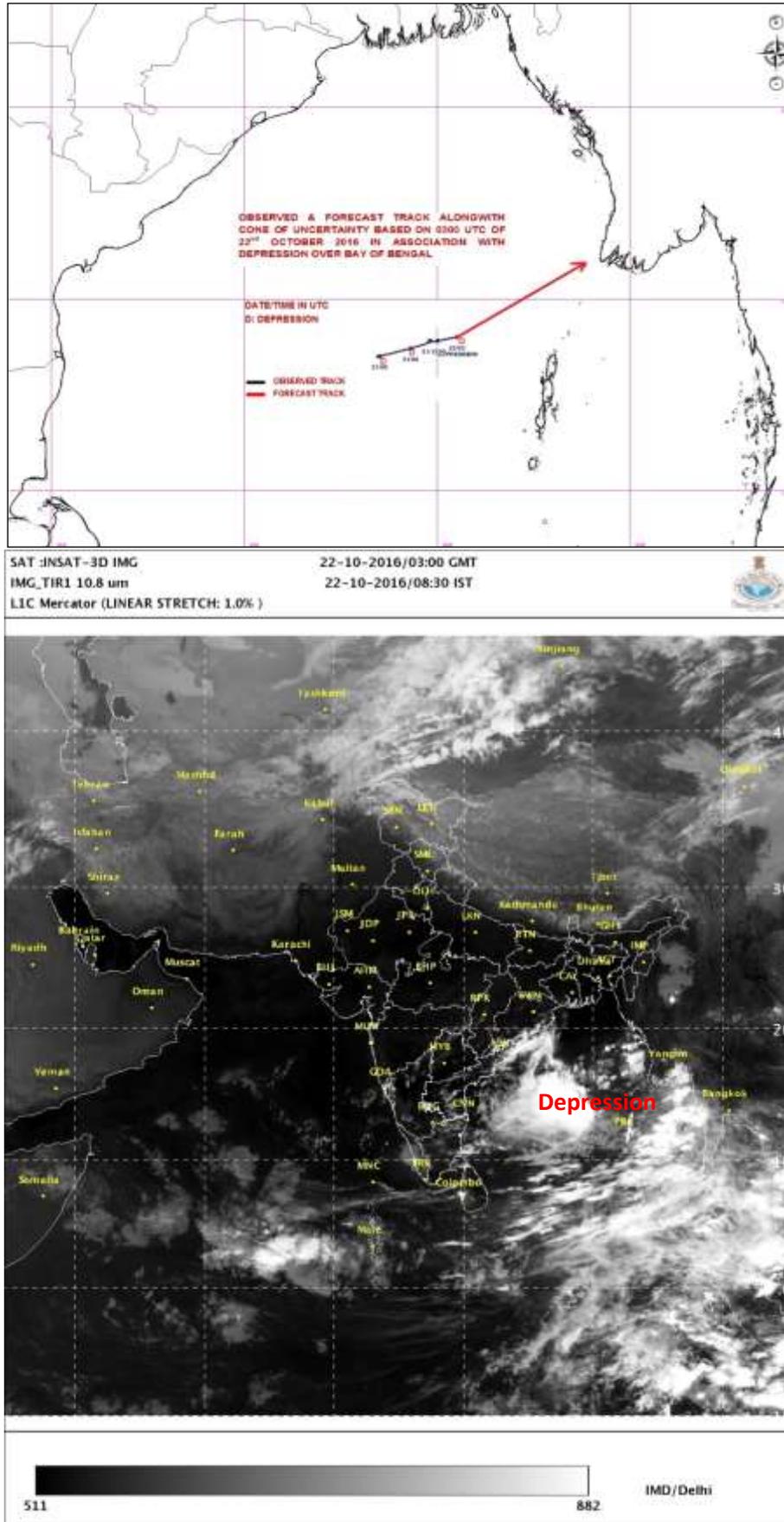
(xxvii) Sea condition: Sea condition very likely to be rough to very rough over and around Andaman Islands during next 48 hours.

(xxviii) Fishermen Warning: Fishermen are advised not to venture into sea around Andaman Islands during next 48 hrs.

The next bulletin will be issued at 1430 hrs IST of today, the 22nd October 2016.

**(Naresh Kumar)
Scientist-D**

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
 Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Bulletin No.: 08 (BOB 03/2016)

Time of issue: 1330 hours IST

Dated: 22.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

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

CONTROL ROOM NDMA (FAX.NO. 26701729)

CABINET SECRETARIAT (FAX.NO.23793144)

PS TO HON'BLE MINISTER FOR S & T 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)

UNI (FAX NO. 23355841)

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

CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)

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

CHIEF SECRETARY, GOVT. OF WEST BENGAL (033-22144328)

CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX No. 03192-223331)

Sub: Depression over eastcentral Bay of Bengal

The depression over eastcentral Bay of Bengal further moved east-northeastwards with speed of 25 kmph during past 6 hrs and lay centred at 1130 hrs IST of today, the 22nd October, 2016 over eastcentral Bay of Bengal, near Latitude 14.5° N and Longitude 91.3° E, about 350 km northwest of Port Blair and 570 km southwest of Yangon. The system is most likely to intensify into a deep depression during next 24 hours and subsequently into a cyclonic storm. It will move northeastwards and reach north Myanmar coast by 23rd October evening. Thereafter, it will recurve initially north-northwestwards skipping Myanmar coast and then northwestwards towards northwest & adjoining westcentral Bay of Bengal.

Warning:

(xxix) **Rainfall:** Moderate rainfall (2-4 cm) at many places is very likely to occur over north Andaman Islands on 23rd & 24th October.

(xxx) **Wind:** Squally winds speed reaching 45-55 kmph gusting to 65 kmph is very likely to prevail over Andaman Islands & adjoining Sea areas during next 36 hours.

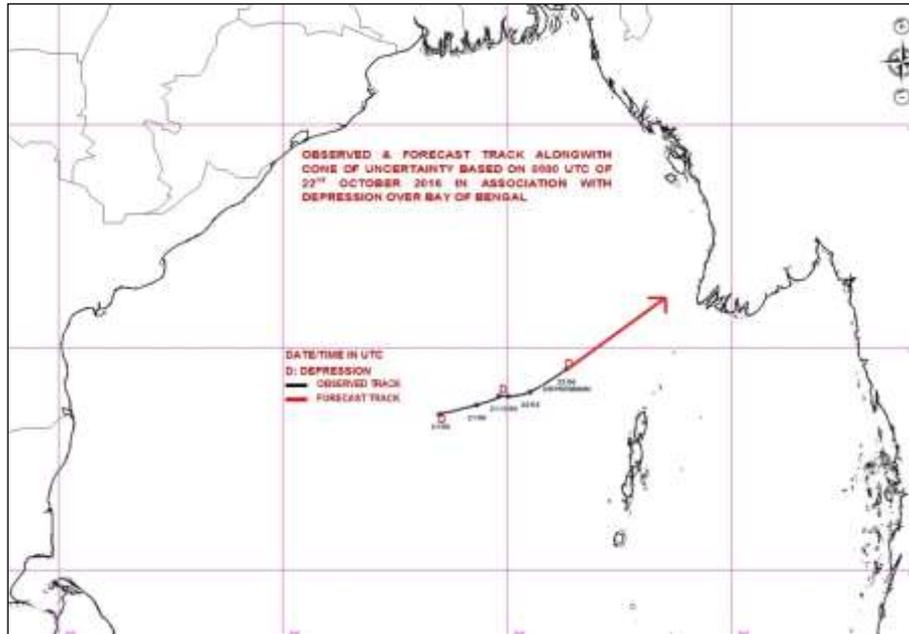
(xxxii) **Sea condition:** Sea condition is very likely to be rough to very rough over & around Andaman Islands during next 36 hours.

(xxxiii) **Fishermen Warning:** Fishermen are advised not to venture into sea around Andaman Islands during next 36 hrs.

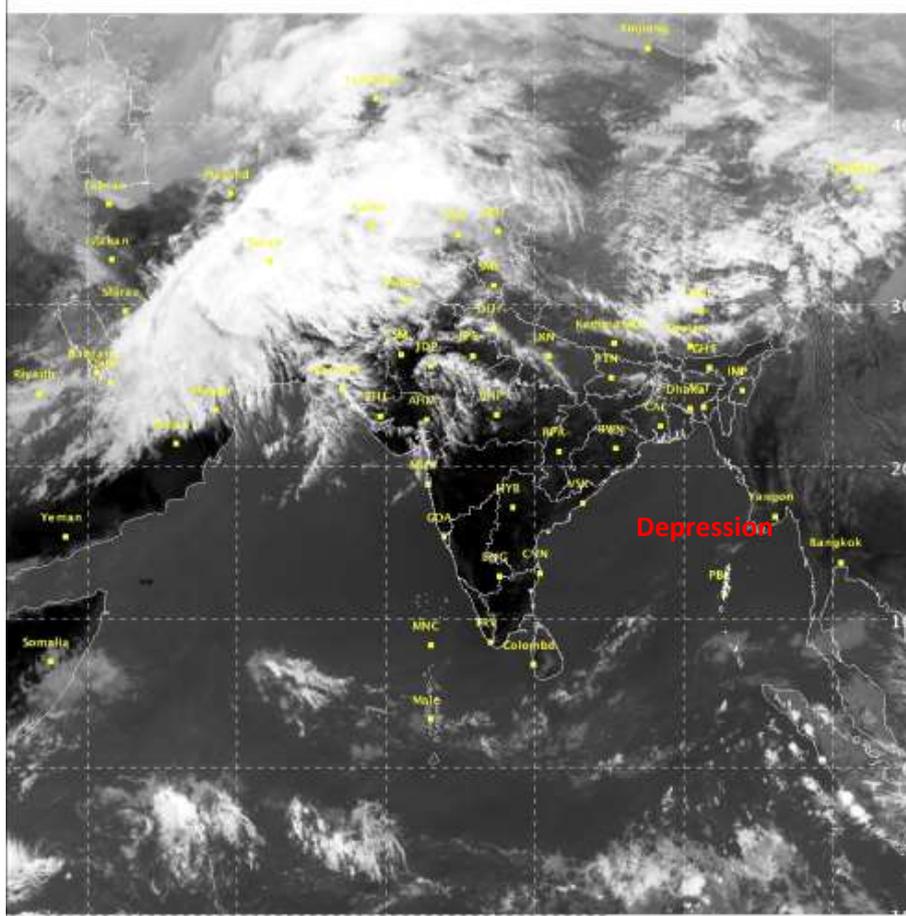
The next bulletin will be issued at 2030 hrs IST of today, the 22nd October 2016.

(Naresh Kumar)
Scientist-D

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



SAT :INSAT-3D IMG 16-02-2017/09:00 GMT
 IMG_TIR1 10.8 um 16-02-2017/14:30 IST
 LIC Mercator (LINEAR STRETCH: 1.0%)



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Bulletin No.: 09 (BOB 03/2016)

Time of issue: 2000 hours IST

Dated: 22.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

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

CONTROL ROOM NDMA (FAX.NO. 26701729)

CABINET SECRETARIAT (FAX.NO.23793144)

PS TO HON'BLE MINISTER FOR S & T 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)

UNI (FAX NO. 23355841)

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

CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)

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

CHIEF SECRETARY, GOVT. OF WEST BENGAL (033-22144328)

CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX No. 03192-223331)

Sub: Depression over eastcentral Bay of Bengal

The depression over eastcentral Bay of Bengal further moved east-northeastwards with speed of 15 kmph during past 6 hrs and lay centred at 1730 hrs IST of today, the 22nd October, 2016 over eastcentral Bay of Bengal, near Latitude 14.9° N and Longitude 92.0° E, about 370 km north-northwest of Port Blair and 490 km west-southwest of Yangon. The system is most likely to intensify into a deep depression during next 24 hours and subsequently into a cyclonic storm. It will move northeastwards and reach close to north Myanmar coast by 23rd October evening. Thereafter, it will recurve initially north-northwestwards skirting Myanmar coast and then northwestwards towards northwest Bay of Bengal.

Warning:

(xxxiii) Rainfall: Moderate rainfall (2-4 cm) at many places is very likely to occur over north Andaman Islands on 23rd & 24th October.

(xxxiv) Wind: Squally winds speed reaching 45-55 kmph gusting to 65 kmph is very likely to prevail over Andaman Islands & adjoining Sea areas during next 36 hours.

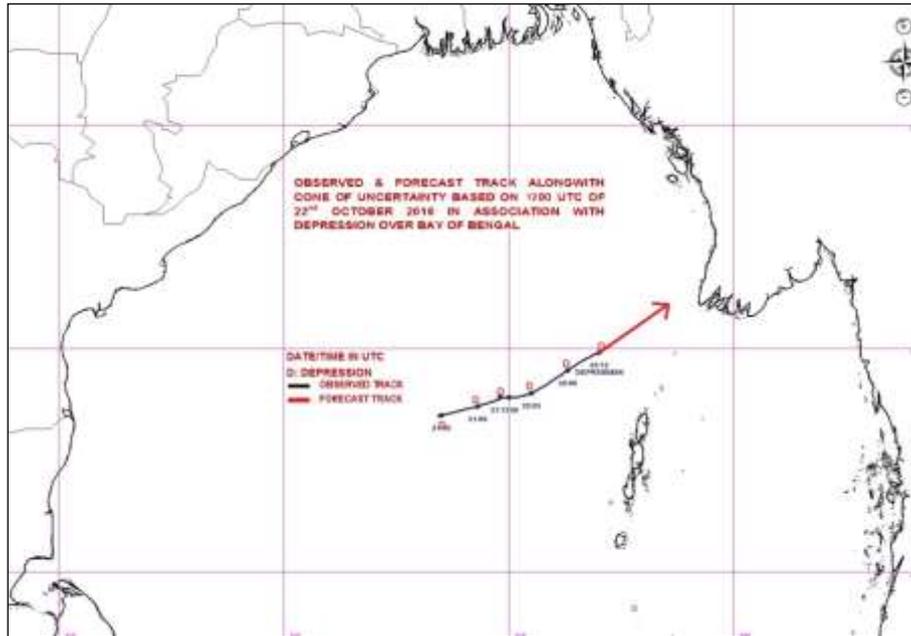
(xxxv) Sea condition: Sea condition is very likely to be rough to very rough over & around Andaman Islands during next 36 hours.

(xxxvi) Fishermen Warning: Fishermen are advised not to venture into sea around Andaman Islands during next 36 hrs.

The next bulletin will be issued at 0230 hrs IST of tomorrow, the 23rd October 2016.

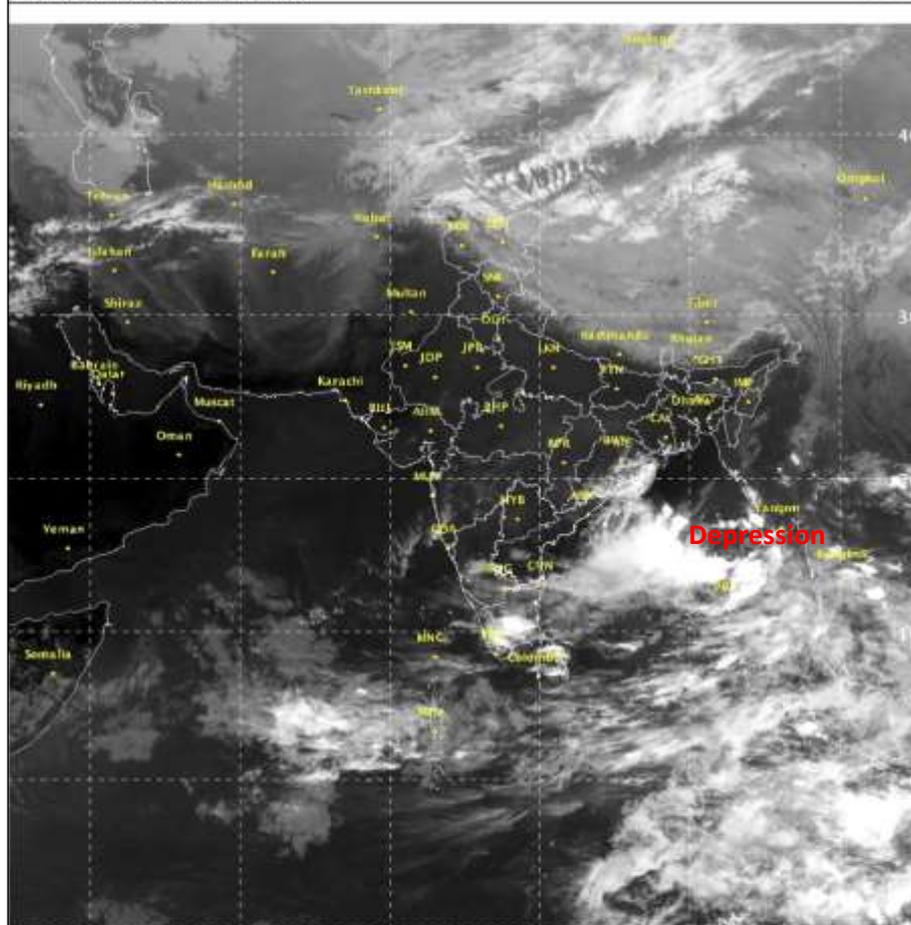
**(Naresh Kumar)
Scientist-D**

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



SAT :INSAT-3D IMG
 IMG_TIR1 10.8 um
 LIC Mercator (LINEAR STRETCH: 1.0%)

22-10-2016/13:00 GMT
 22-10-2016/18:30 IST



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
 Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Bulletin No.: 10 (BOB 03/2016)

Time of issue: 0100 hours IST

Dated: 23.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
CONTROL ROOM NDMA (FAX.NO. 26701729)
CABINET SECRETARIAT (FAX.NO.23793144)
PS TO HON'BLE MINISTER FOR S & T 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)
UNI (FAX NO. 23355841)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)
CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)
CHIEF SECRETARY, GOVT. OF ANDHRA PRADESH (FAX NO. 040-23453700)
CHIEF SECRETARY, GOVT. OF WEST BENGAL (033-22144328)
CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX No. 03192-223331)

Sub: Depression over eastcentral Bay of Bengal

The depression over eastcentral Bay of Bengal further moved east-northeastwards with speed of 6 kmph during past 6 hrs and lay centred at 2330 hrs IST of yesterday, the 22nd October, 2016 over eastcentral Bay of Bengal, near Latitude 15.2° N and Longitude 92.5° E, about 390 km north-northwest of Port Blair and 420 km west-southwest of Yangon. The system is most likely to intensify into a deep depression during next 24 hours and subsequently into a cyclonic storm. It will move northeastwards and reach close to north Myanmar coast by 23rd October evening. Thereafter, it will recurve initially north-northwestwards skirting Myanmar coast and then northwestwards towards northwest Bay of Bengal.

Warning:

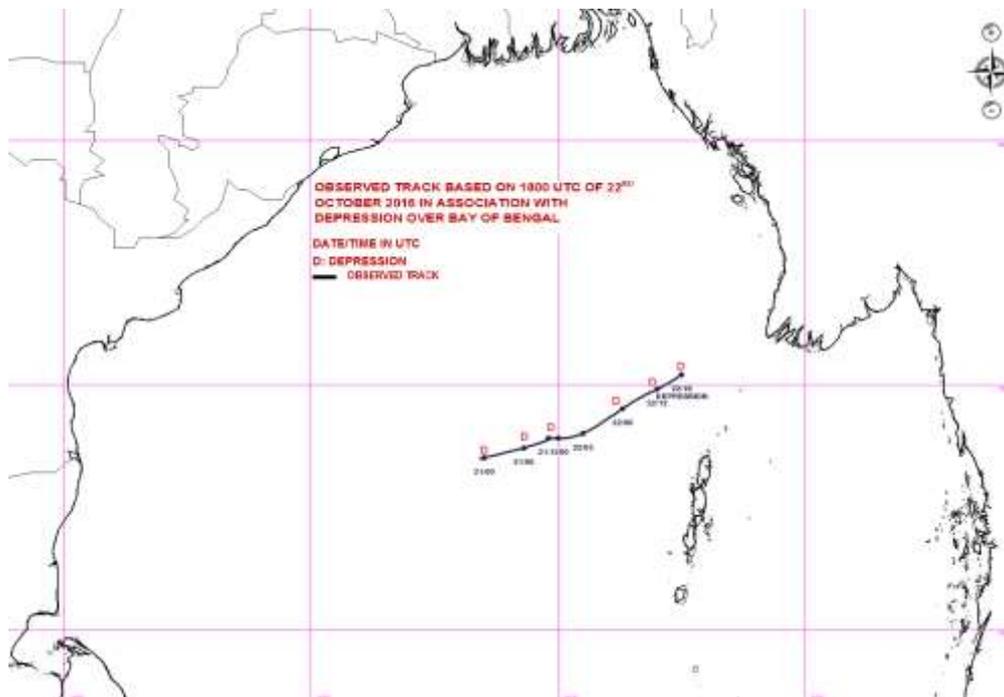
- (xxxvii) **Rainfall:** Moderate rainfall (2-4 cm) at many places is very likely to occur over north Andaman Islands on 23rd & 24th October.
- (xxxviii) **Wind:** Squally winds speed reaching 45-55 kmph gusting to 65 kmph is very likely to prevail over Andaman Islands & adjoining Sea areas during next 36 hours.
- (xxxix) **Sea condition:** Sea condition is very likely to be rough to very rough over & around Andaman Islands during next 36 hours.
- (xl) **Fishermen Warning:** Fishermen are advised not to venture into sea around Andaman Islands during next 36 hrs.

The next bulletin will be issued at 0830 hrs IST of today, the 23rd October 2016.

(AKHIL SRIVASTAVA)
Scientist-B

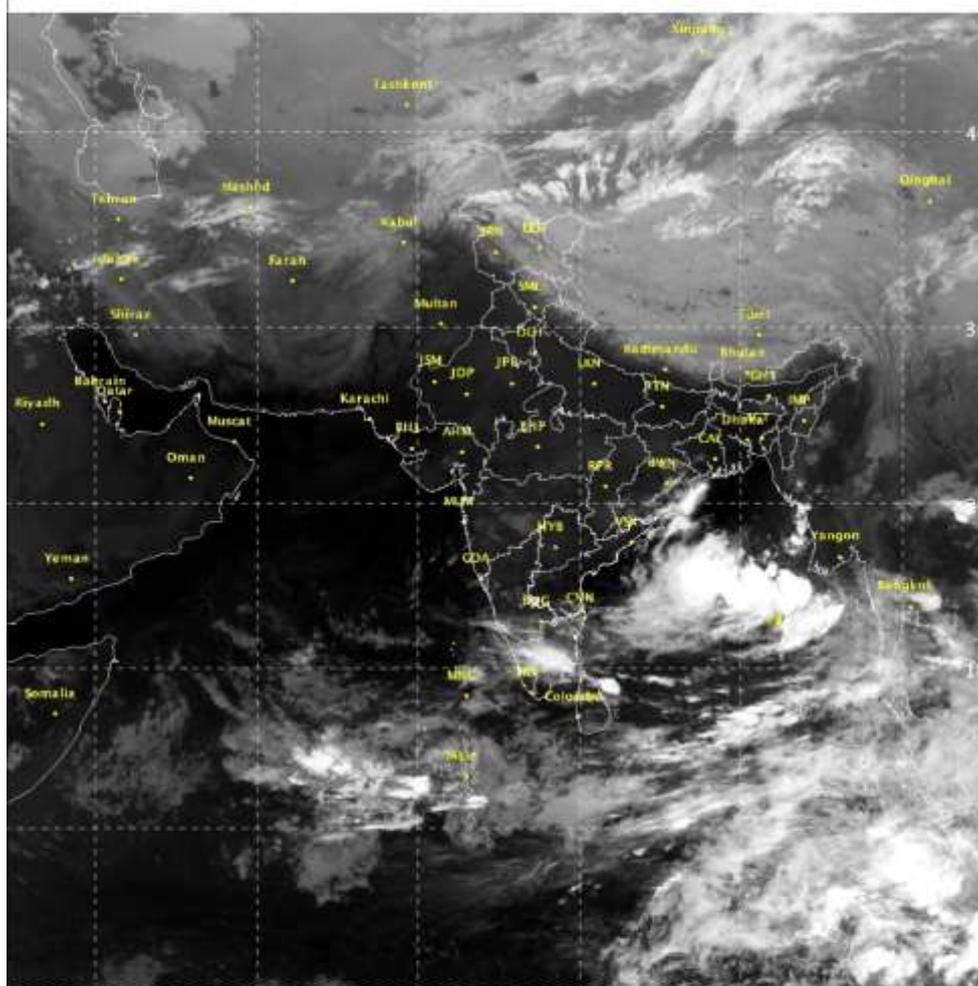
Copy to: DFDD, Pune/ACWC Kolkata /ACWC Chennai/CWC Vishakhapatnam/CWC
Bhubaneswar/MC Hyderabad.

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



SAT :INSAT-3D IMG
 IMG_TIR1 10.8 um
 LIC Mercator (LINEAR STRETCH: 1.0%)

22-10-2016/16:30 GMT
 22-10-2016/22:00 IST

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Bulletin No.: 11 (BOB 03/2016)

Time of issue: 0830 hours IST

Dated: 23.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
CONTROL ROOM NDMA (FAX.NO. 26701729)
CABINET SECRETARIAT (FAX.NO.23793144)
PS TO HON'BLE MINISTER FOR S & T 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)
UNI (FAX NO. 23355841)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)
CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)
CHIEF SECRETARY, GOVT. OF ANDHRA PRADESH (FAX NO. 040-23453700)
CHIEF SECRETARY, GOVT. OF WEST BENGAL (033-22144328)
CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX No. 03192-223331)

Sub: Depression over eastcentral Bay of Bengal

The depression over eastcentral Bay of Bengal further moved east-northeastwards with speed of 11 kmph during past 6 hrs and lay centred at 0530 hrs IST of today, the 23rd October, 2016 over eastcentral Bay of Bengal, near Latitude 15.5° N and Longitude 93.0° E, about 420 km north of Port Blair and 360 km west-southwest of Yangon. The system is most likely to intensify into a deep depression during next 24 hours and subsequently into a cyclonic storm. It will move northeastwards and reach close to north Myanmar coast by today evening. Thereafter, it will recurve initially north-northwestwards skirting Myanmar coast and then northwestwards towards northwest Bay of Bengal.

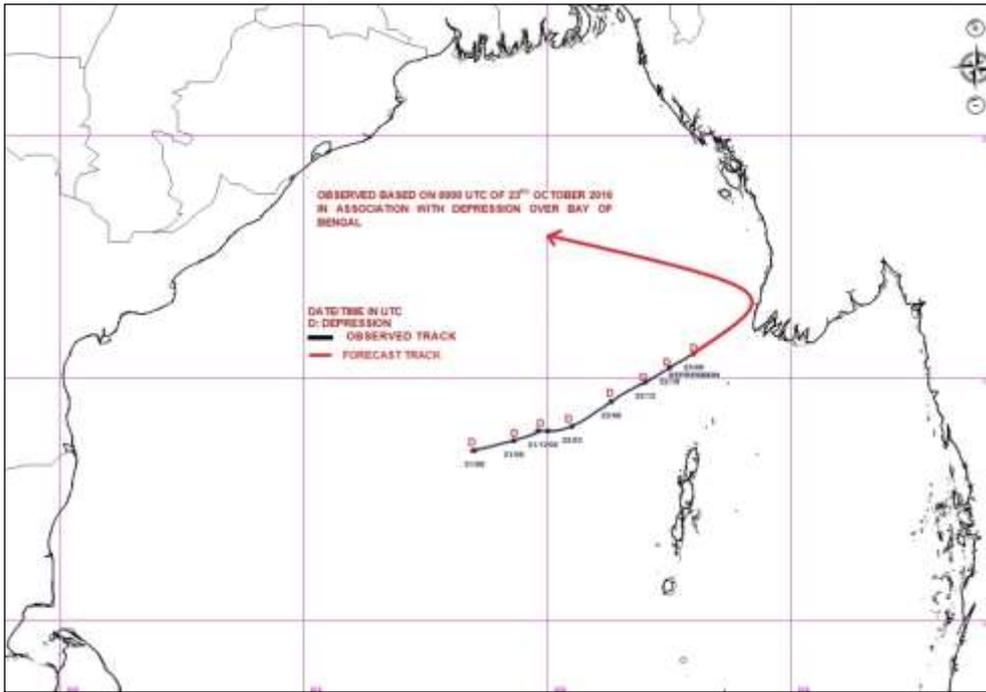
Warning:

- (xli) **Rainfall:** Moderate rainfall (2-4 cm) at many places is very likely to occur over north Andaman Islands during next 48 hours.
- (xlii) **Wind:** Squally winds speed reaching 45-55 kmph gusting to 65 kmph is very likely to prevail over Andaman Islands & adjoining Sea areas during next 24 hours.
- (xliii) **Sea condition:** Sea condition is very likely to be rough to very rough over & around Andaman Islands during next 24 hours.
- (xliv) **Fishermen Warning:** Fishermen are advised not to venture into sea around Andaman Islands during next 24 hrs.

The next bulletin will be issued at 1130 hrs IST of today, the 23rd October 2016.

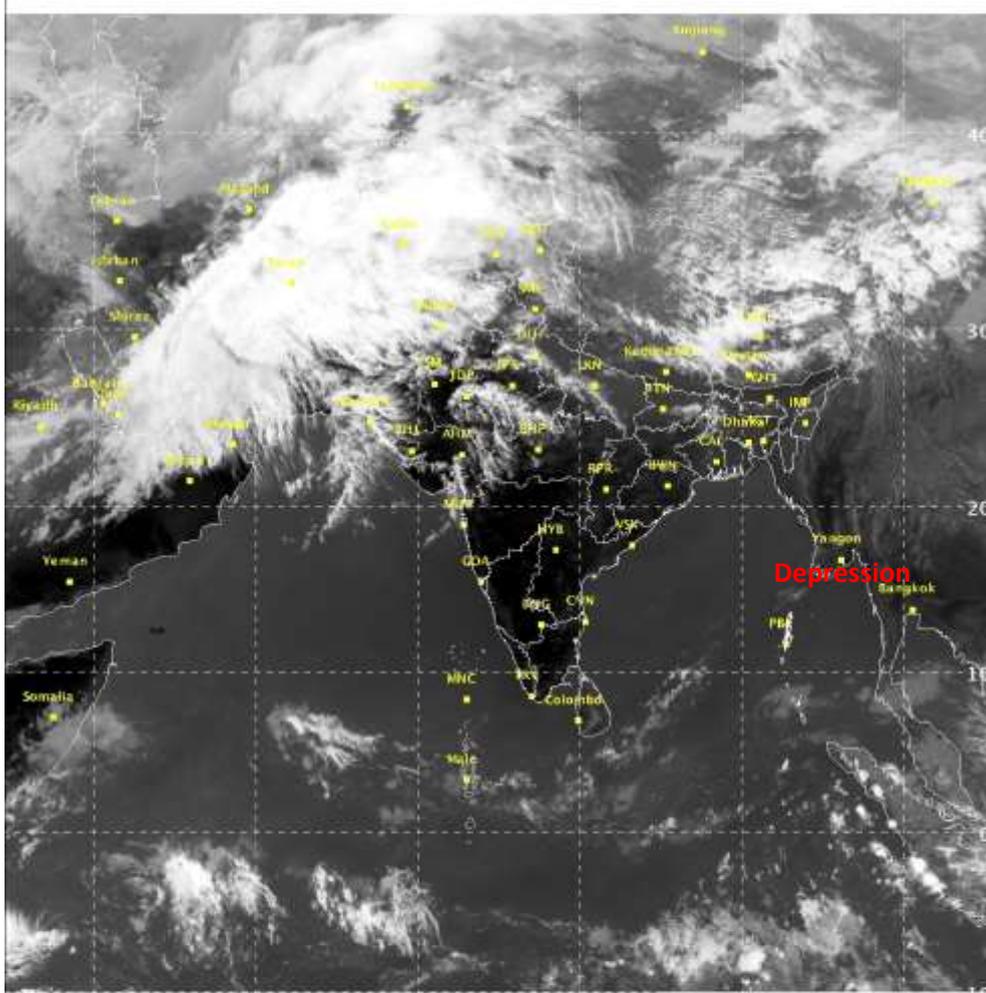
(Naresh Kumar)
Scientist-D

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



SAT :INSAT-3D IMG
 IMG_TIR1 10.8 um
 LIC Mercator (LINEAR STRETCH: 1.0%)

16-02-2017/09:00 GMT
 16-02-2017/14:30 IST

IMD/Delhi

Spat

Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Bulletin No.: 12 (BOB 03/2016)

Time of issue: 1130 hours IST

Dated: 23.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
CONTROL ROOM NDMA (FAX.NO. 26701729)
CABINET SECRETARIAT (FAX.NO.23793144)
PS TO HON'BLE MINISTER FOR S & T 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)
UNI (FAX NO. 23355841)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)
CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)
CHIEF SECRETARY, GOVT. OF ANDHRA PRADESH (FAX NO. 040-23453700)
CHIEF SECRETARY, GOVT.OF WEST BENGAL (033-22144328)
CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX No. 03192-223331)

Sub: Depression over eastcentral Bay of Bengal intensified into a deep depression

The depression over eastcentral Bay of Bengal remained practically stationary during past 3 hrs, intensified into a deep depression and lay centred at 0830 hrs IST of today, the 23rd October, 2016 over eastcentral Bay of Bengal, near Latitude 15.5° N and Longitude 93.0° E, about 420 km north of Port Blair and 360 km west-southwest of Yangon. The system is most likely to intensify into a cyclonic storm during next 24 hours. It will move northeastwards and reach close to north Myanmar coast by today evening. Thereafter, it will recurve initially north-northwestwards skirting Myanmar coast and then northwestwards towards northwest Bay of Bengal.

Further update on movement & forecast track of the system towards India coast will be provided after the re-curvature of the system.

Forecast track and intensity of the system are given in the table below:

Date/time(IST)	Position (lat. 0N/ long. 0E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic Disturbance
23-10-2016/0830	15.5/93.0	50-60 gusting to 70	Deep Depression
23-10-2016/1130	15.6/93.2	50-60 gusting to 70	Deep Depression
23-10-2016/1730	15.9/93.7	50-60 gusting to 70	Deep Depression
23-10-2016/2330	16.2/94.1	60-70 gusting to 80	Cyclonic Storm
24-10-2016/0530	16.6/94.1	60-70 gusting to 80	Cyclonic Storm
24-10-2016/1730	17.2/93.5	70-80 gusting to 90	Cyclonic Storm
25-10-2016/0530	17.6/92.4	70-80 gusting to 90	Cyclonic Storm
25-10-2016/1730	17.9/91.2	70-80 gusting to 90	Cyclonic Storm
26-10-2016/0530	18.2/89.9	70-80 gusting to 90	Cyclonic Storm
26-10-2016/1730	18.5/88.6	80-90 gusting to 100	Cyclonic Storm

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%

Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.

27-10-2016/0530	18.8/87.3	90-100 gusting to 110	Severe Cyclonic Storm
-----------------	-----------	-----------------------	-----------------------

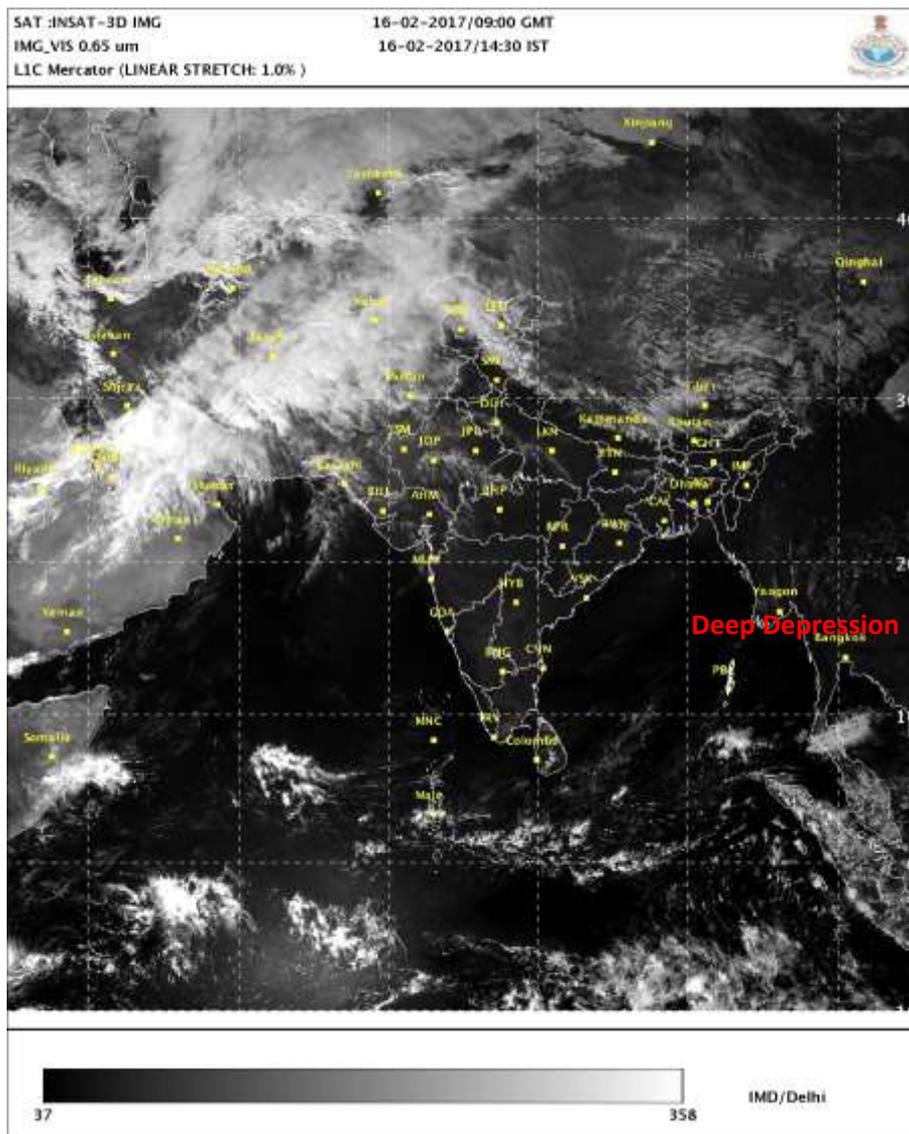
Warning:

- (xlv) **Rainfall:** Moderate rainfall (2-4 cm) at many places is very likely to occur over north Andaman Islands during next 48 hours.
- (xlvi) **Wind:** Squally winds speed reaching 45-55 kmph gusting to 65 kmph is very likely to prevail over Andaman Islands & adjoining Sea areas during next 24 hours.
- (xlvii) **Sea condition:** Sea condition is very likely to be rough to very rough over & around Andaman Islands during next 24 hours.
- (xlviii) **Fishermen Warning:** Fishermen are advised not to venture into sea around Andaman Islands during next 24 hrs.

The next bulletin will be issued at 1430 hrs IST of today, the 23rd October 2016.

**(M. Mohapatra)
Scientist-G**

Copy to: DFDD, Pune/ACWC Kolkata /ACWC Chennai/CWC Vishakhapatnam/CWC
Bhubaneswar/MC Hyderabad.



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Bulletin No.: 13 (BOB 03/2016)

Time of issue: 1400 hours IST

Dated: 23.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
CONTROL ROOM NDMA (FAX.NO. 26701729)
CABINET SECRETARIAT (FAX.NO.23793144)
PS TO HON'BLE MINISTER FOR S & T 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)
UNI (FAX NO. 23355841)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)
CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)
CHIEF SECRETARY, GOVT. OF ANDHRA PRADESH (FAX NO. 040-23453700)
CHIEF SECRETARY, GOVT. OF WEST BENGAL (033-22144328)
CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX No. 03192-223331)

Sub: Deep Depression over eastcentral Bay of Bengal

The deep depression over eastcentral Bay of Bengal remained practically stationary during past 06 hrs and lay centred at 1130 hrs IST of today, the 23rd October, 2016 over eastcentral Bay of Bengal, near Latitude 15.5° N and Longitude 93.0° E, about 420 km north of Port Blair and 360 km west-southwest of Yangon. The system is most likely to intensify into a cyclonic storm during next 24 hours. It will move northeastwards and reach close to north Myanmar coast by today evening. Thereafter, it will recurve initially north-northwestwards skirting Myanmar coast and then northwestwards towards northwest Bay of Bengal.

Further update on movement & forecast track of the system towards India coast will be provided after the re-curvedure of the system.

Forecast track and intensity of the system are given in the table below:

Date/time(IST)	Position (lat. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic Disturbance
23-10-2016/1130	15.5/93.0	50-60 gusting to 70	Deep Depression
23-10-2016/1730	15.8/93.7	50-60 gusting to 70	Deep Depression
23-10-2016/2330	16.1/94.1	60-70 gusting to 80	Cyclonic Storm
24-10-2016/0530	16.4/94.1	60-70 gusting to 80	Cyclonic Storm
24-10-2016/1130	16.8/93.8	60-70 gusting to 80	Cyclonic Storm
24-10-2016/2330	17.4/92.9	70-80 gusting to 90	Cyclonic Storm
25-10-2016/1130	17.8/91.8	70-80 gusting to 90	Cyclonic Storm
25-10-2016/2330	18.1/90.5	70-80 gusting to 90	Cyclonic Storm
26-10-2016/1130	18.4/89.3	70-80 gusting to 90	Cyclonic Storm
26-10-2016/2330	18.7/88.0	80-90 gusting to 100	Cyclonic Storm

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%

Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.

27-10-2016/1130	19.0/87.3	90-100 gusting to 110	Severe Cyclonic Storm
-----------------	-----------	-----------------------	-----------------------

2

Warning:

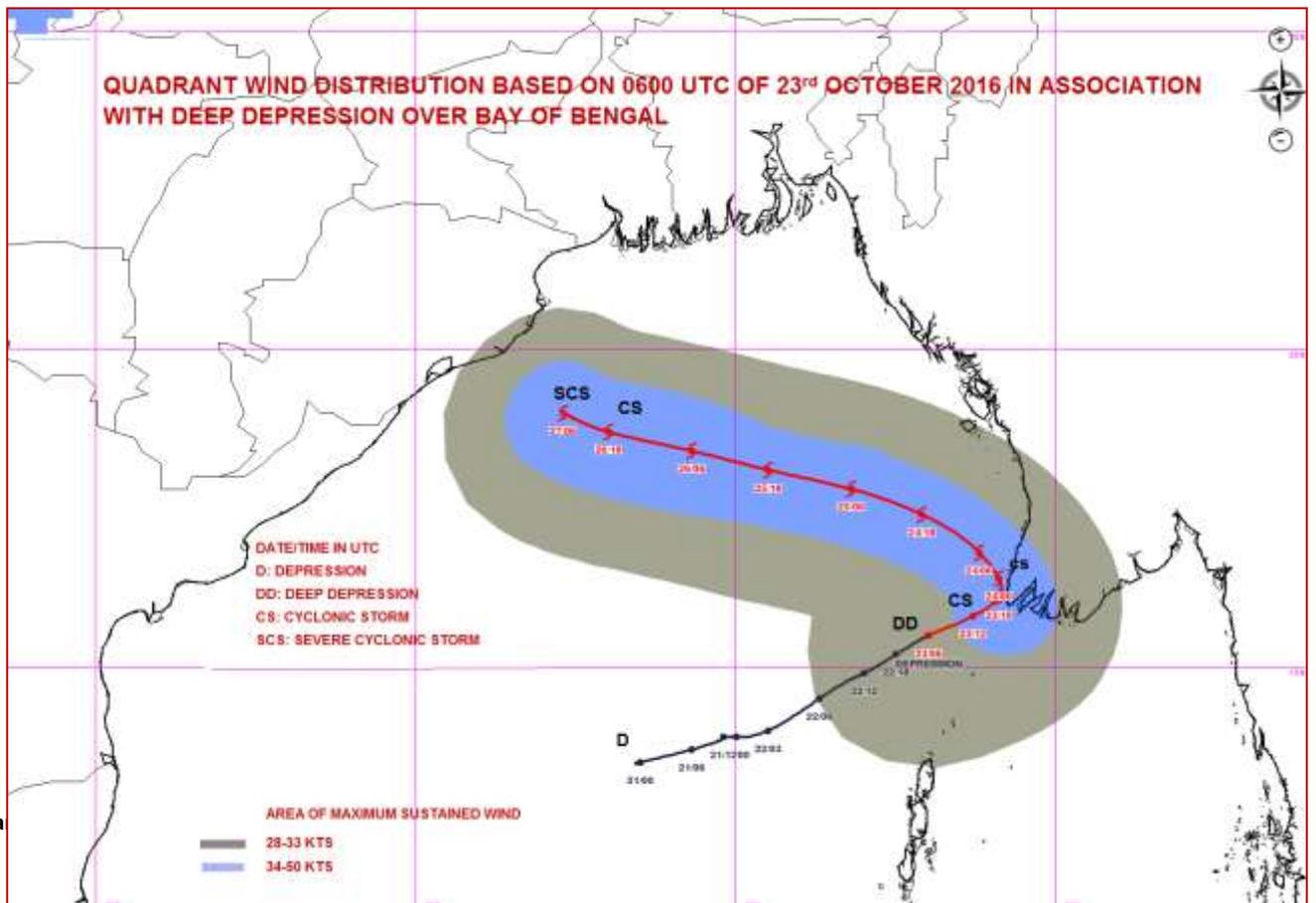
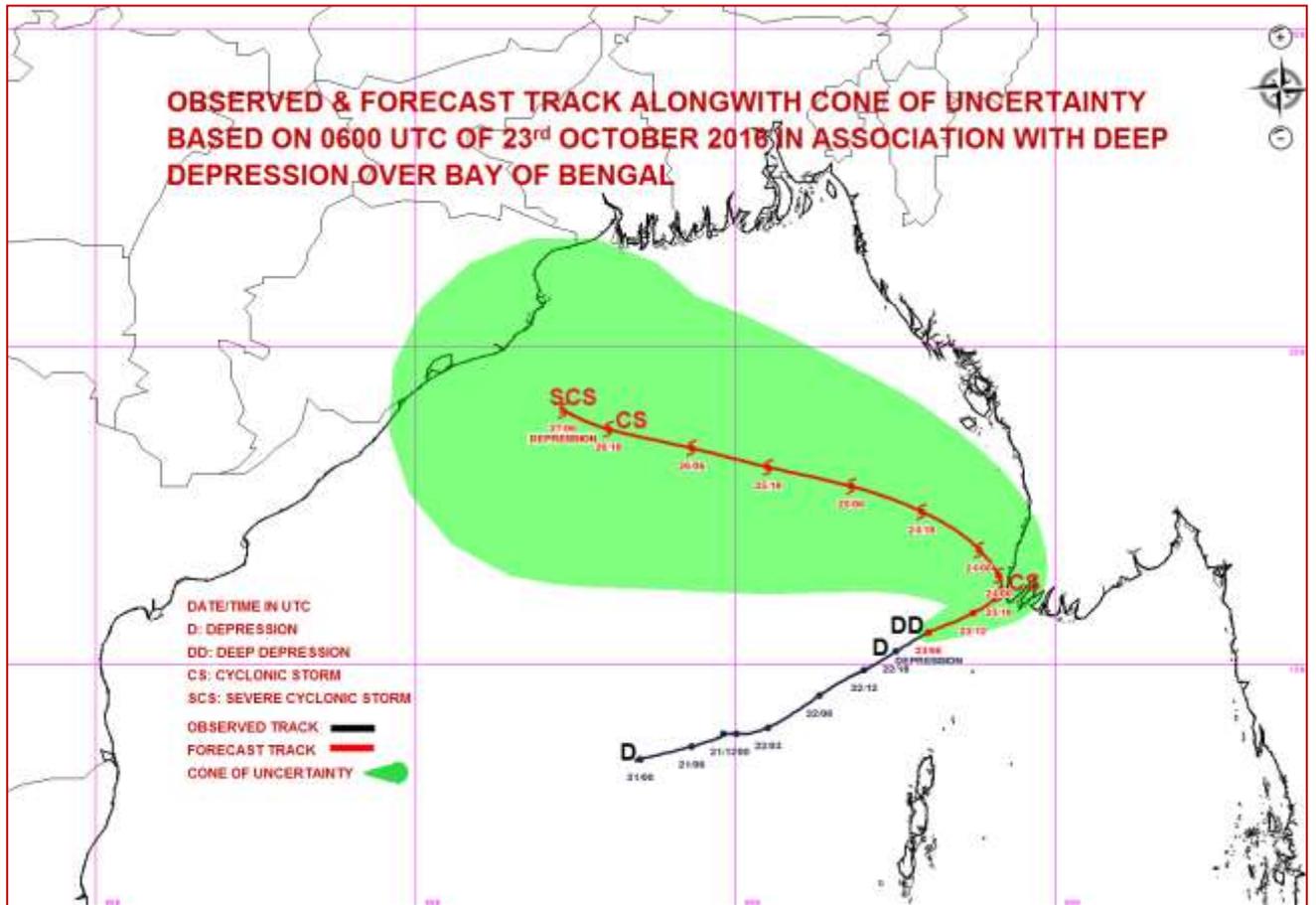
- (xlix) **Rainfall:** Moderate rainfall (2-4 cm) at many places is very likely to occur over north Andaman Islands during next 48 hours.
- (I) **Wind:** Squally winds speed reaching 45-55 kmph gusting to 65 kmph is very likely to prevail over Andaman Islands & adjoining Sea areas during next 24 hours.
- (II) **Sea condition:** Sea condition is very likely to be rough to very rough over & around Andaman Islands during next 24 hours.
- (lii) **Fishermen Warning:** Fishermen are advised not to venture into sea around Andaman Islands during next 24 hrs.

The next bulletin will be issued at 2030 hrs IST of today, the 23rd October 2016.

(Naresh Kumar)
Scientist-D

Copy to: DFDD, Pune/ACWC Kolkata /ACWC Chennai/CWC Vishakhapatnam/CWC
Bhubaneswar/MC Hyderabad.

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



Rainfall a



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Bulletin No.: 14 (BOB 03/2016)

Time of issue: 2030 hours IST

Dated: 23.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
CONTROL ROOM NDMA (FAX.NO. 26701729)
CABINET SECRETARIAT (FAX.NO.23793144)
PS TO HON'BLE MINISTER FOR S & T 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)
UNI (FAX NO. 23355841)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)
CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)
CHIEF SECRETARY, GOVT. OF ANDHRA PRADESH (FAX NO. 040-23453700)
CHIEF SECRETARY, GOVT. OF WEST BENGAL (033-22144328)
CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX No. 03192-223331)

Sub: Deep Depression over eastcentral Bay of Bengal

The deep depression over eastcentral Bay of Bengal remained practically stationary during past 12 hrs and lay centred at 1730 hrs IST of today, the 23rd October, 2016 over eastcentral Bay of Bengal, near Latitude 15.5° N and Longitude 93.0° E, about 420 km north of Port Blair and 360 km west-southwest of Yangon. The system is most likely to intensify into a cyclonic storm during next 24 hours. It will move north-northeastwards/northwards for some time and then recurve initially north-northwestwards and then northwestwards. It is very likely to reach northwest Bay of Bengal in the morning of 27th.

Further update on movement & forecast track of the system towards India coast will be provided after the re-curvedure of the system.

Forecast track and intensity of the system are given in the table below:

Date/time(IST)	Position (lat. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic Disturbance
23-10-2016/1730	15.5/93.0	50-60 gusting to 70	Deep Depression
23-10-2016/2330	16.1/93.5	50-60 gusting to 70	Deep Depression
24-10-2016/0530	16.4/93.6	60-70 gusting to 80	Cyclonic Storm
24-10-2016/1130	16.7/93.6	65-75 gusting to 80	Cyclonic Storm
24-10-2016/1730	17.2/93.1	70-80 gusting to 90	Cyclonic Storm
25-10-2016/0530	17.6/92.4	80-90 gusting to 100	Cyclonic Storm
25-10-2016/1730	18.0/91.2	80-90 gusting to 100	Cyclonic Storm
26-10-2016/0530	18.3/89.9	90-100 gusting to 110	Cyclonic Storm
26-10-2016/1730	18.6/88.7	90-100 gusting to 110	Cyclonic Storm
27-10-2016/0530	18.9/87.9	100-110 gusting to 120	Severe Cyclonic Storm

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%

Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.

27-10-2016/1730	19.3/87.1	110-120 gusting to 130	Severe Cyclonic Storm
-----------------	-----------	------------------------	-----------------------

2

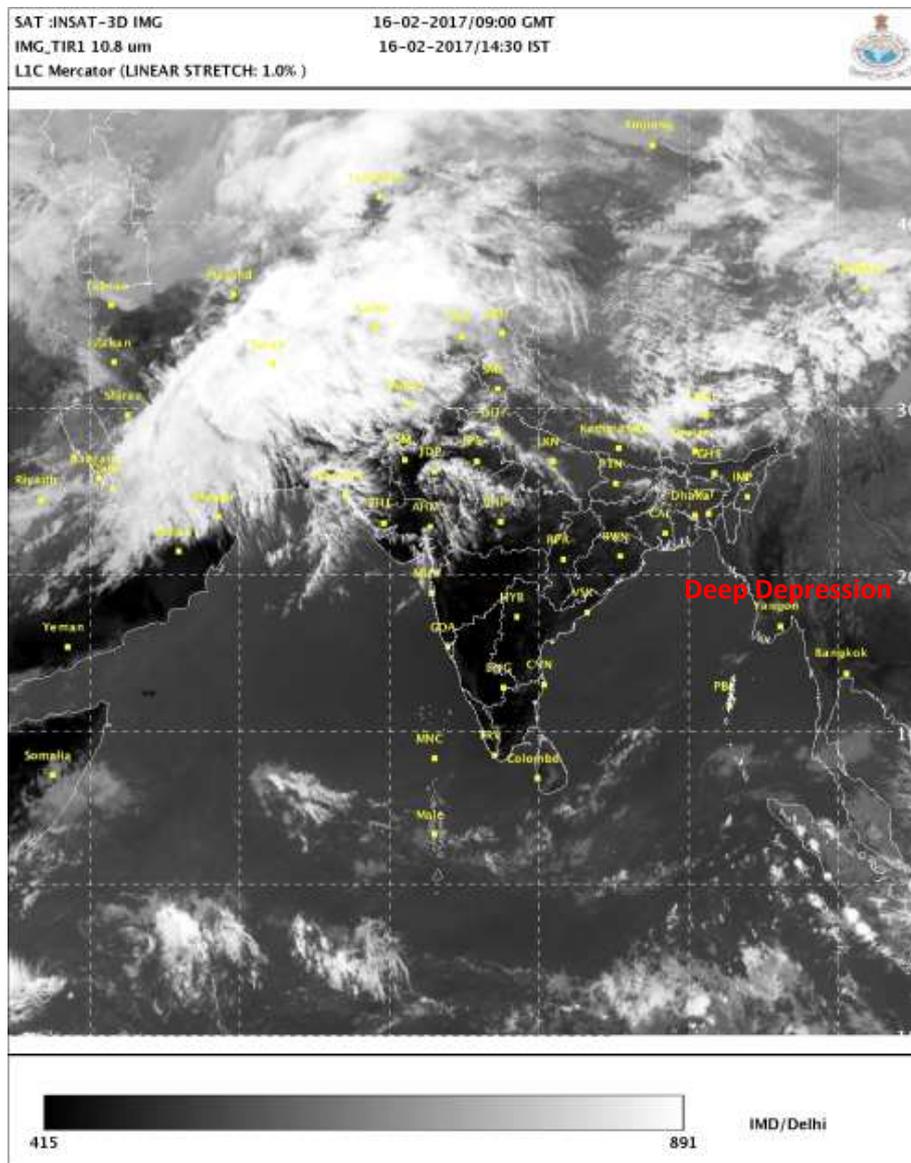
Warning:

- (liii) **Rainfall:** Moderate rainfall (2-4 cm) at many places is very likely to occur over north Andaman Islands during next 24 hours.
- (liv) **Wind:** Squally winds speed reaching 45-55 kmph gusting to 65 kmph is very likely to prevail over Andaman Islands & adjoining Sea areas during next 24 hours.
- (lv) **Sea condition:** Sea condition is very likely to be rough to very rough over & around Andaman Islands during next 24 hours.
- (lvi) **Fishermen Warning:** Fishermen are advised not to venture into sea around Andaman Islands during next 24 hrs.

The next bulletin will be issued at 0230 hrs IST of tomorrow, the 24th October 2016.

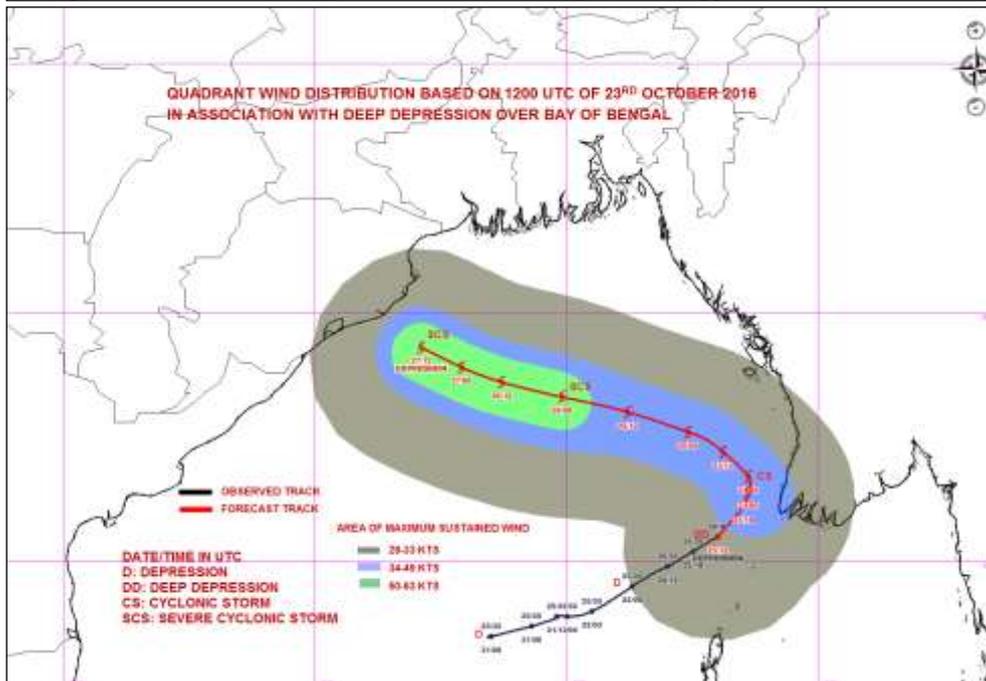
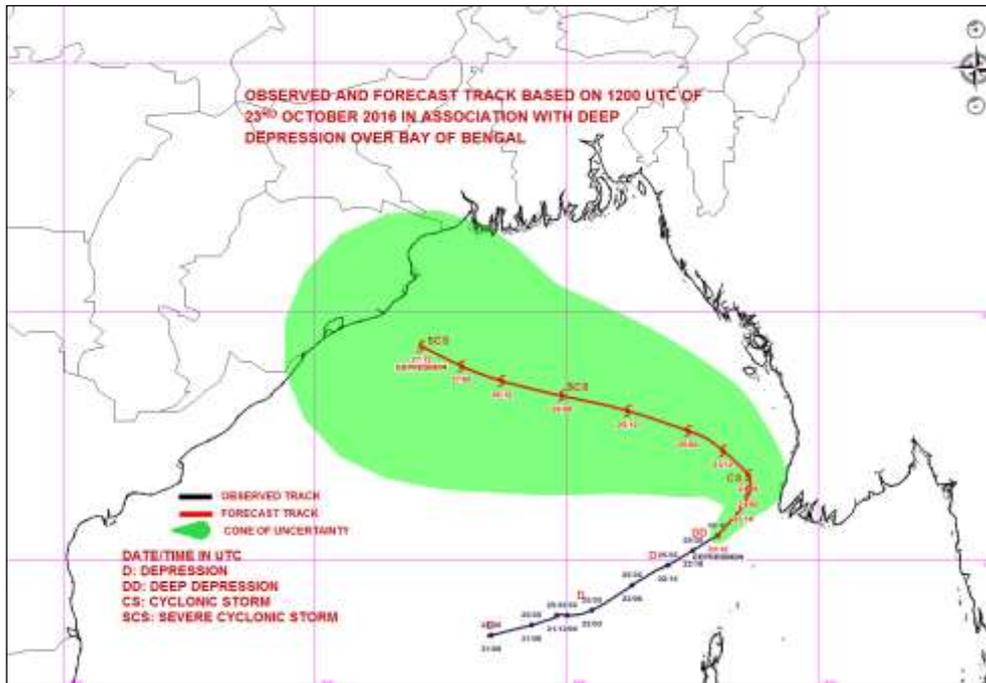
**(Naresh Kumar)
Scientist-D**

Copy to: DFDD, Pune/ACWC Kolkata /ACWC Chennai/CWC Vishakhapatnam/CWC



Bhubaneswar/MC Hyderabad.

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Bulletin No.: 15 (BOB 03/2016)

Time of issue: 0230 hours IST

Dated: 24.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
CONTROL ROOM NDMA (FAX.NO. 26701729)
CABINET SECRETARIAT (FAX.NO.23793144)
PS TO HON'BLE MINISTER FOR S & T 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)
UNI (FAX NO. 23355841)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)
CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)
CHIEF SECRETARY, GOVT. OF ANDHRA PRADESH (FAX NO. 040-23453700)
CHIEF SECRETARY, GOVT. OF WEST BENGAL (033-22144328)
CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX No. 03192-223331)

Sub: Deep Depression over eastcentral Bay of Bengal

The deep depression over eastcentral Bay of Bengal moved north-northeastwards with speed of 10 kmph during past six hours and lay centred at 2330 hrs IST of 23rd October, 2016 over eastcentral Bay of Bengal, near Latitude 16.0° N and Longitude 93.2° E, about 480 km north of Port Blair and 320 km west-southwest of Yangon. The system is most likely to intensify into a cyclonic storm during next 24 hours. It will move north-northeastwards/northwards for some time and then recurve initially north-northwestwards and then northwestwards. It is very likely to reach northwest Bay of Bengal in the morning of 27th. October, 2016

Further update on movement & forecast track of the system towards India coast will be provided after the re-curvedure of the system.

Forecast track and intensity of the system are given in the table below:

Date/time(IST)	Position (lat. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic Disturbance
23-10-2016/2330	16.0/93.2	50-60 gusting to 70	Deep Depression
24-10-2016/0530	16.4/93.4	60-70 gusting to 80	Cyclonic Storm
24-10-2016/1130	16.7/93.4	65-75 gusting to 80	Cyclonic Storm
24-10-2016/1730	17.2/93.1	70-80 gusting to 90	Cyclonic Storm
24-10-2016/2330	17.4/92.7	80-90 gusting to 100	Cyclonic Storm
25-10-2016/1130	17.8/91.8	80-90 gusting to 100	Cyclonic Storm
25-10-2016/2330	18.1/90.9	90-100 gusting to 110	Cyclonic Storm
26-10-2016/1130	18.4/89.3	90-100 gusting to 110	Cyclonic Storm
26-10-2016/2330	18.7/88.3	100-110 gusting to 120	Severe Cyclonic Storm
27-10-2016/1130	19.1/87.5	110-120 gusting to 130	Severe Cyclonic Storm

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%

Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.

27-10-2016/2330	19.4/86.7	110-120 gusting to 130	Severe Cyclonic Storm
-----------------	-----------	------------------------	-----------------------

2

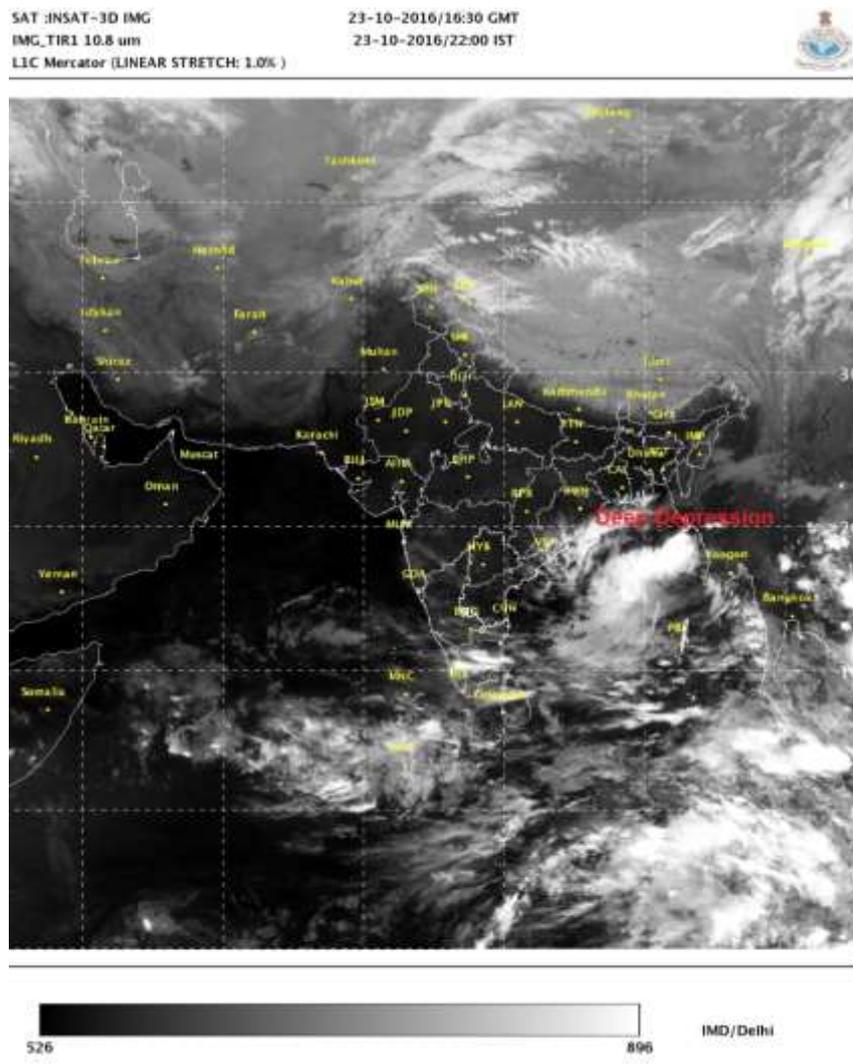
Warning:

- (Ivii) **Rainfall:** Moderate rainfall (2-4 cm) at many places is very likely to occur over north Andaman Islands during next 24 hours.
- (Iviii) **Wind:** Squally winds speed reaching 45-55 kmph gusting to 65 kmph is very likely to prevail over Andaman Islands & adjoining Sea areas during next 24 hours.
- (lix) **Sea condition:** Sea condition is very likely to be rough to very rough over & around Andaman Islands during next 24 hours.
- (Ix) **Fishermen Warning:** Fishermen are advised not to venture into sea around Andaman Islands during next 24 hrs.

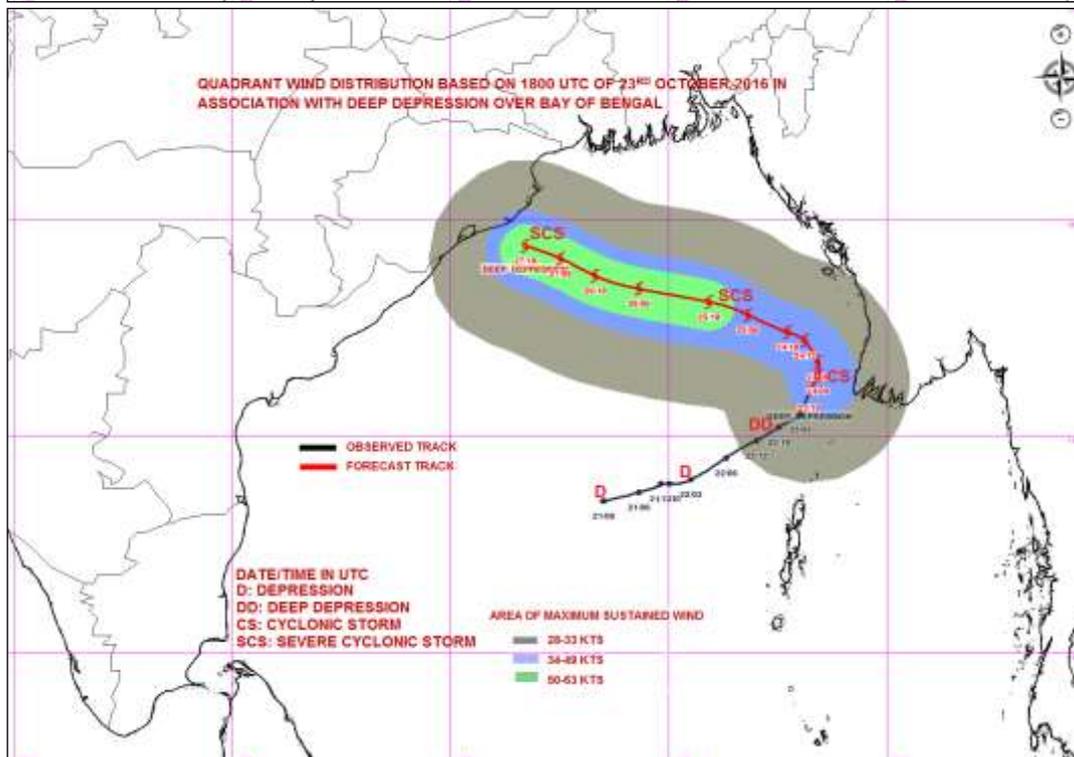
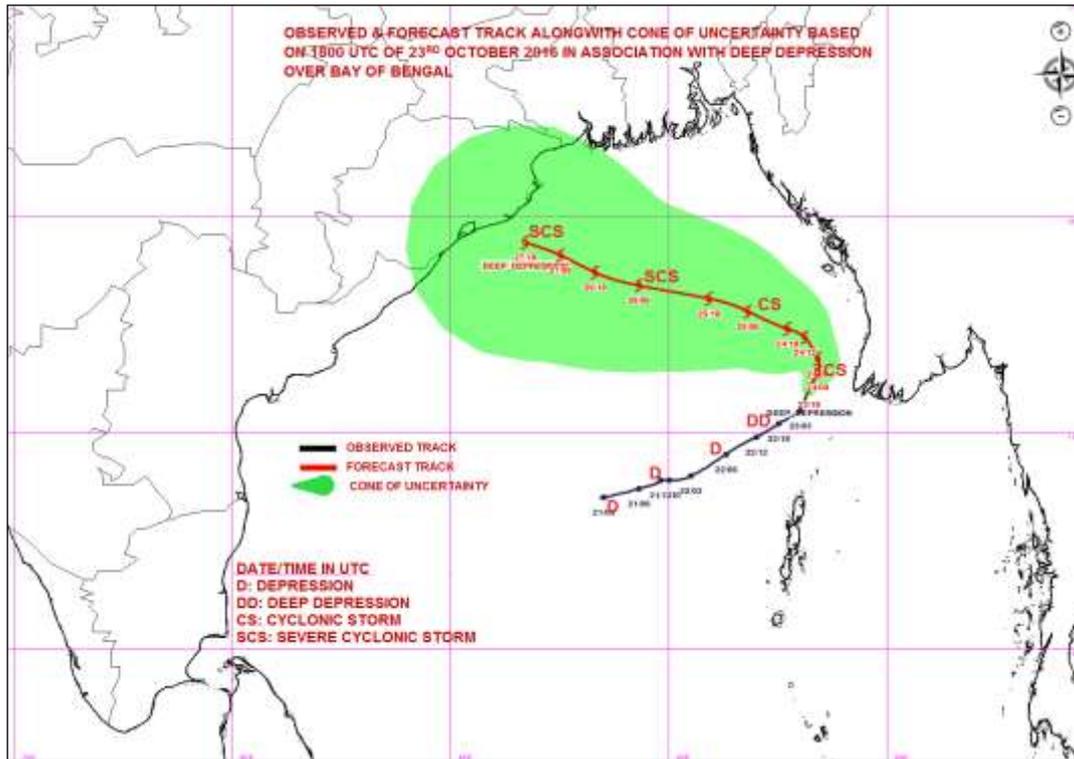
The next bulletin will be issued at 0830 hrs IST of today, the 24th October 2016.

(Shambu Ravindren)
Scientist-B

Copy to: DFDD, Pune/ACWC Kolkata /ACWC Chennai/CWC Vishakhapatnam/CWC Bhubaneswar/MC Hyderabad.



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Bulletin No.: 16 (BOB 03/2016) (Modified)

Time of issue: 0830 hours IST

Dated: 24.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
CONTROL ROOM NDMA (FAX.NO. 26701729)
CABINET SECRETARIAT (FAX.NO.23793144)
PS TO HON'BLE MINISTER FOR S & T 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)
UNI (FAX NO. 23355841)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)
CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)
CHIEF SECRETARY, GOVT. OF ANDHRA PRADESH (FAX NO. 040-23453700)
CHIEF SECRETARY, GOVT. OF WEST BENGAL (033-22144328)
CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX No. 03192-223331)

Sub: Deep Depression over eastcentral Bay of Bengal

The deep depression over eastcentral Bay of Bengal moved northwards with speed of 08 kmph during past six hours and lay centred at 0530 hrs IST of 24th October, 2016 over eastcentral Bay of Bengal, near Latitude 16.4° N and Longitude 93.2° E, about 520 km north-northeast of Port Blair and 310 km west-southwest of Yangon. The system is most likely to intensify into a cyclonic storm during next 24 hours. It will move northwards for some time and then recurve initially north-northwestwards and then northwestwards. It is very likely to reach northwest Bay of Bengal in the morning of 27th. October, 2016

Further update on movement & forecast track of the system towards India coast will be provided after the re-curvedure of the system.

Forecast track and intensity of the system are given in the table below:

Date/time(IST)	Position (lat. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic Disturbance
24-10-2016/0530	16.4/93.2	50-60 gusting to 70	Deep Depression
24-10-2016/1130	16.7/93.2	50-60 gusting to 70	Deep Depression
24-10-2016/1730	17.0/93.1	50-60 gusting to 70	Deep Depression
24-10-2016/2330	17.4/92.7	60-70 gusting to 80	Cyclonic Storm
25-10-2016/0530	17.7/92.3	60-70 gusting to 80	Cyclonic Storm
25-10-2016/1730	18.2/91.4	65-75 gusting to 85	Cyclonic Storm
26-10-2016/0530	18.6/90.3	70-80 gusting to 90	Cyclonic Storm
26-10-2016/1730	19.0/89.2	70-80 gusting to 90	Cyclonic Storm
27-10-2016/0530	19.4/88.1	75-85 gusting to 95	Cyclonic Storm
27-10-2016/1730	19.6/87.4	75-85 gusting to 95	Cyclonic Storm

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%

Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.

28-10-2016/0530	19.8/86.7	80-90 gusting to 100	Cyclonic Storm
-----------------	-----------	----------------------	----------------

2

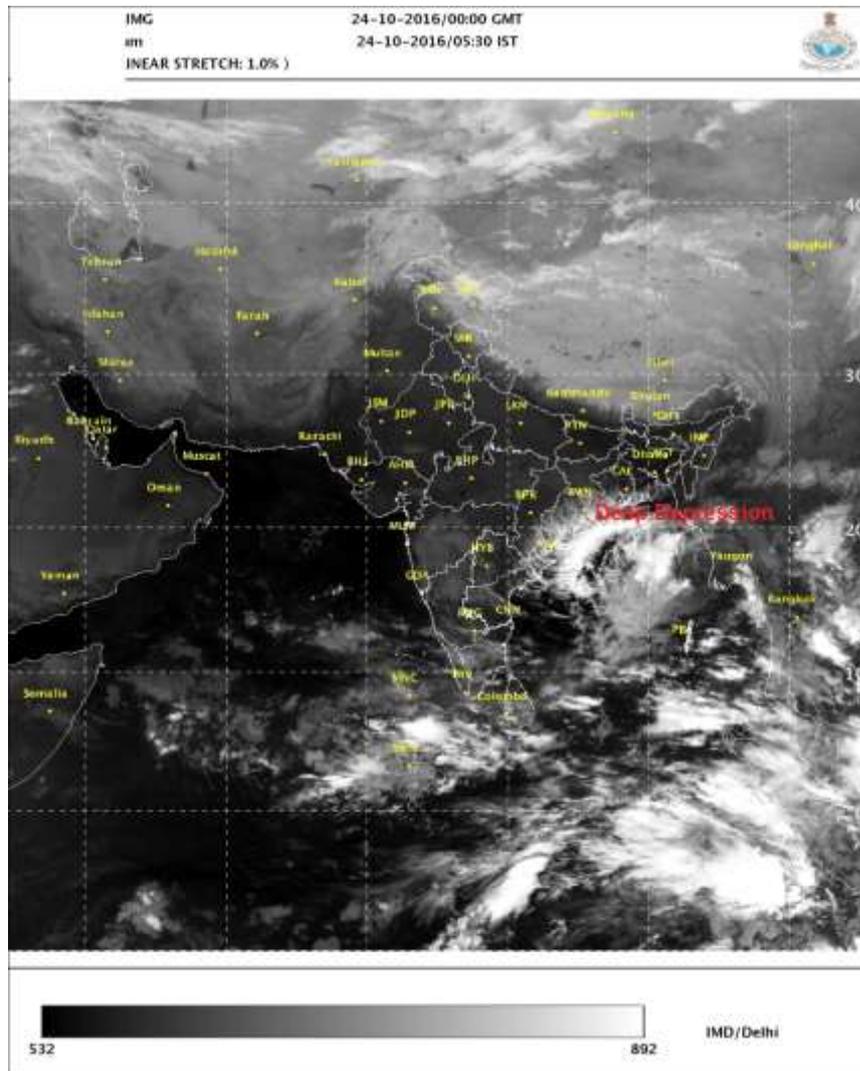
Warning:

- (Ixi) **Wind:** Squally winds speed reaching 45-55 kmph gusting to 65 kmph is very likely to commence along and off Odisha and west Bengal coasts from 27th October 2016.
- (Ixi) **Fishermen Warning:** Fishermen are advised not to venture into sea along and off Odisha and West Bengal coast from 27th October onwards.

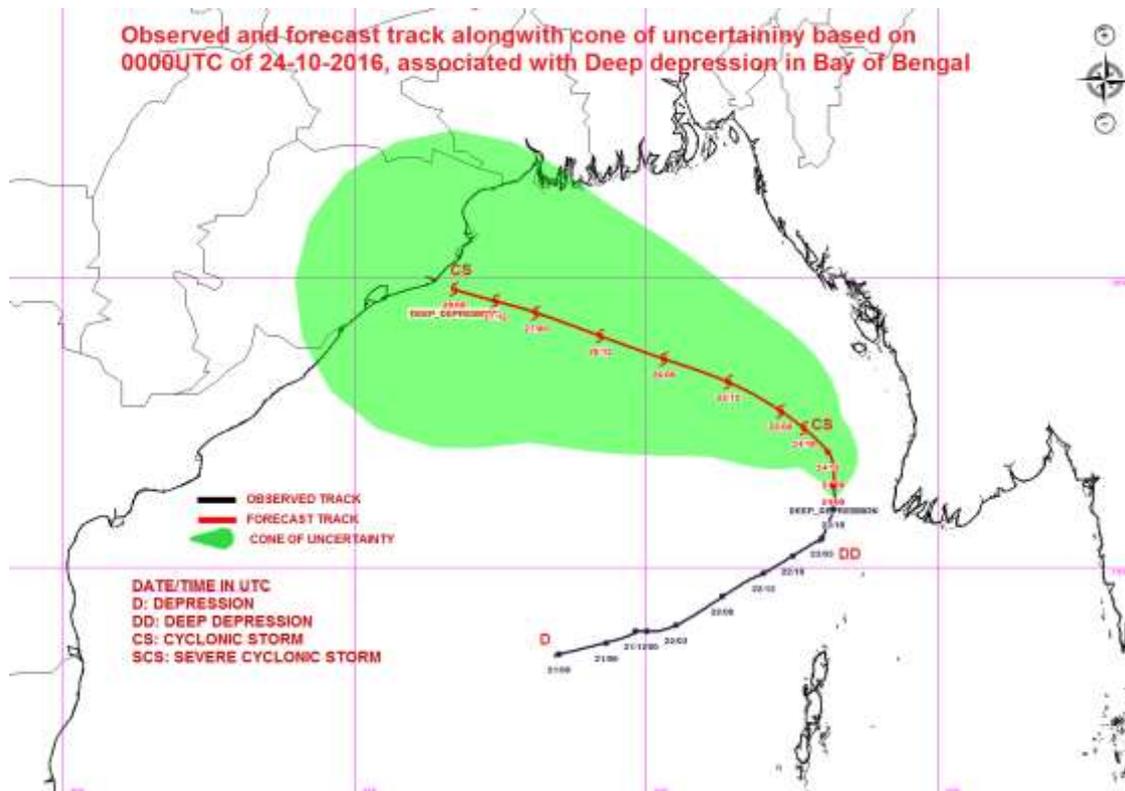
The next bulletin will be issued at 1130 hrs IST of today, the 24th October 2016.

**(M. Mohapatra)
Scientist-G**

Copy to: DFDD, Pune/ACWC Kolkata /ACWC Chennai/CWC Vishakhapatnam/CWC Bhubaneswar/MC Hyderabad.



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Bulletin No.: 17 (BOB 03/2016) (Modified)

Time of issue: 1130 hours IST

Dated: 24.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
CONTROL ROOM NDMA (FAX.NO. 26701729)
CABINET SECRETARIAT (FAX.NO.23793144)
PS TO HON'BLE MINISTER FOR S & T 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)
UNI (FAX NO. 23355841)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)
CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)
CHIEF SECRETARY, GOVT. OF ANDHRA PRADESH (FAX NO. 040-23453700)
CHIEF SECRETARY, GOVT. OF WEST BENGAL (033-22144328)
CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX No. 03192-223331)

Sub: Deep Depression over eastcentral Bay of Bengal

The deep depression over eastcentral Bay of Bengal remained practically stationary in past 03 hours and lay centred at 0830 hrs IST of 24th October, 2016 over eastcentral Bay of Bengal, near Latitude 16.4° N and Longitude 93.2° E, about 520 km north-northeast of Port Blair and 310 km west-southwest of Yangon. The system is very likely to intensify into a cyclonic storm during next 24 hours. It will move northwards for some time and then recurve initially north-northwestwards and then northwestwards. It is very likely to reach northwest Bay of Bengal in the morning of 27th. October, 2016

Further update on movement & forecast track of the system towards India coast will be provided after the re-curvedure of the system.

Forecast track and intensity of the system are given in the table below:

Date/time(IST)	Position (lat. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic Disturbance
24-10-2016/0830	16.4/93.2	50-60 gusting to 70	Deep Depression
24-10-2016/1130	16.7/93.2	50-60 gusting to 70	Deep Depression
24-10-2016/1730	17.0/93.1	50-60 gusting to 70	Deep Depression
24-10-2016/2330	17.4/92.7	55-65 gusting to 75	Deep Depression
25-10-2016/0530	17.7/92.3	60-70 gusting to 80	Cyclonic Storm
25-10-2016/1730	18.2/91.4	65-75 gusting to 85	Cyclonic Storm
26-10-2016/0530	18.6/90.3	70-80 gusting to 90	Cyclonic Storm
26-10-2016/1730	19.0/89.2	70-80 gusting to 90	Cyclonic Storm
27-10-2016/0530	19.4/88.1	75-85 gusting to 95	Cyclonic Storm
27-10-2016/1730	19.6/87.4	75-85 gusting to 95	Cyclonic Storm

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%

Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.

28-10-2016/0530	19.8/86.7	80-90 gusting to 100	Cyclonic Storm
-----------------	-----------	----------------------	----------------

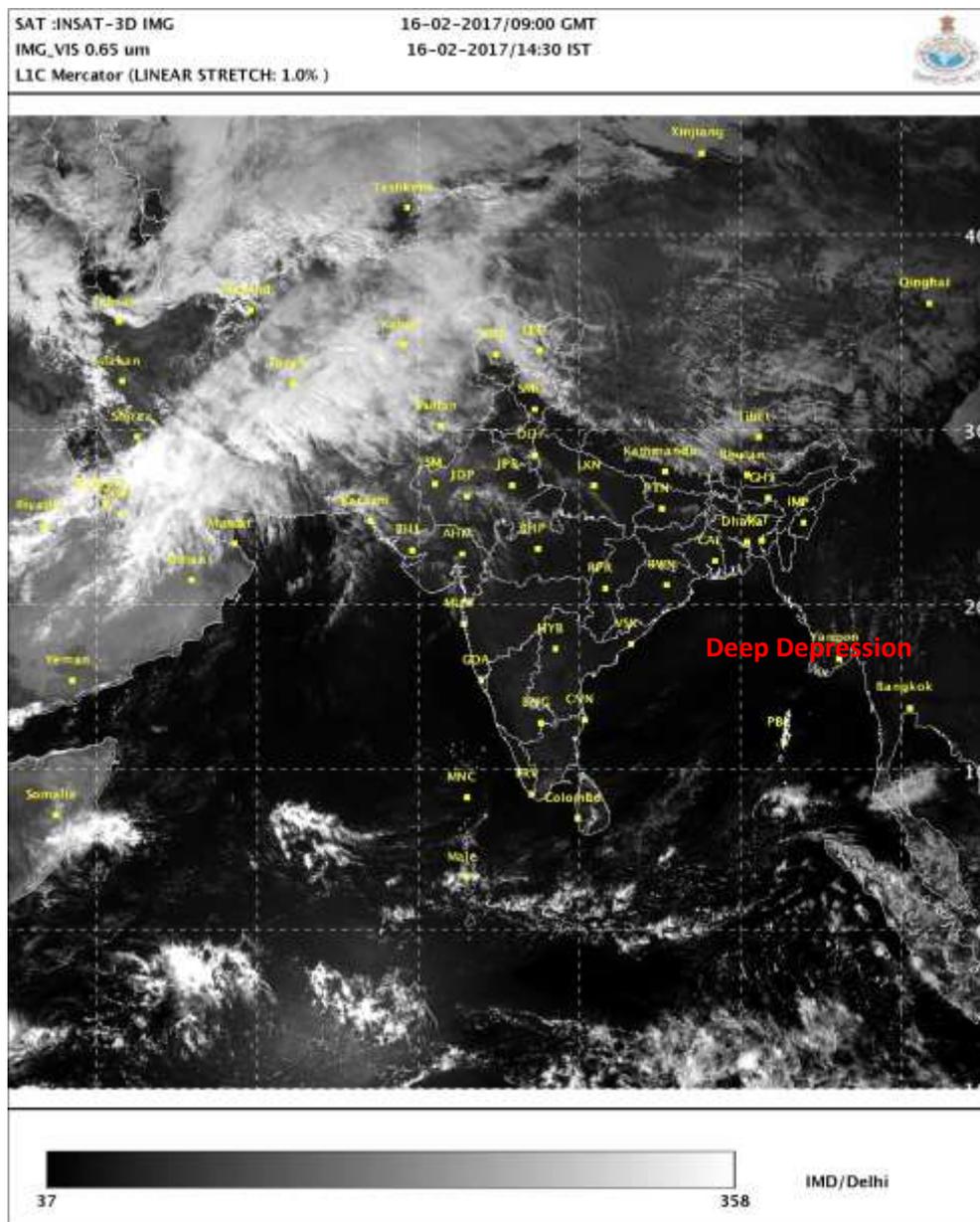
Warning:

- (Ixiii) **Wind:** Squally winds speed reaching 45-55 kmph gusting to 65 kmph is very likely to commence along and off Odisha and west Bengal coasts from 27th October 2016.
- (Ixiv) **Fishermen Warning:** Fishermen are advised not to venture into sea along and off Odisha and West Bengal coast from 27th October onwards.

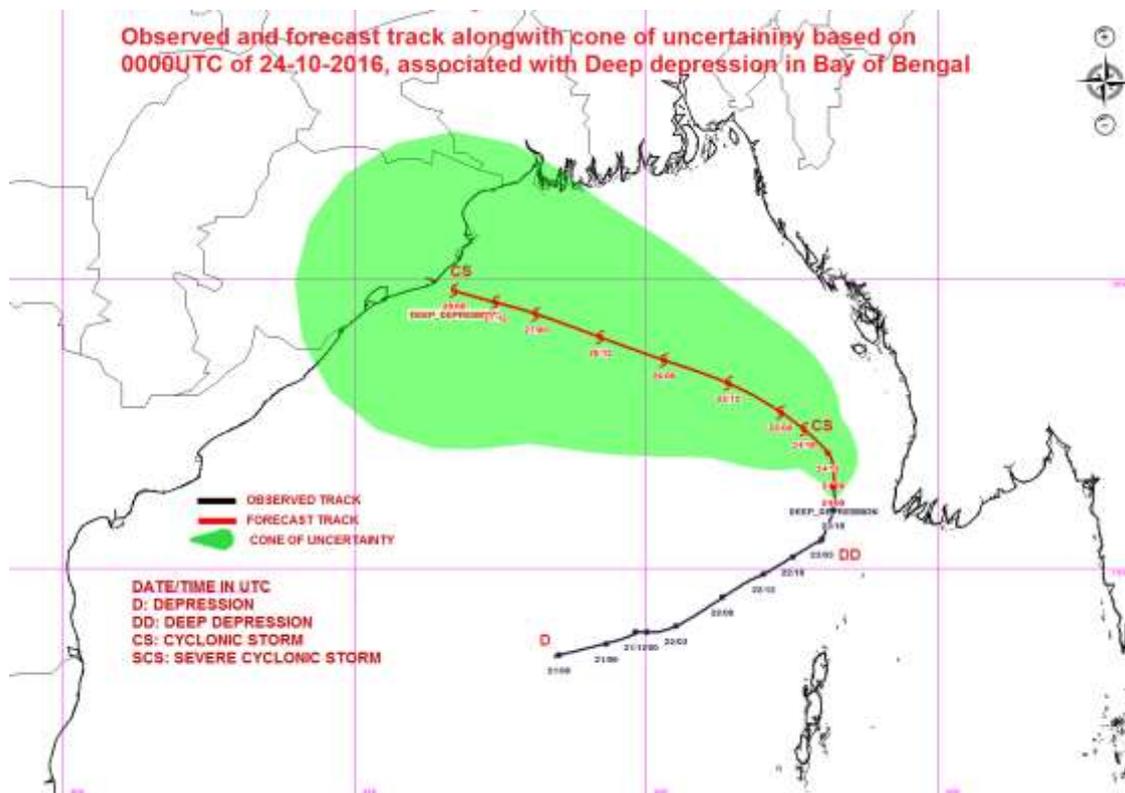
The next bulletin will be issued at 1430 hrs IST of today, the 24th October 2016.

**(Naresh Kumar)
Scientist-D**

Copy to: DFDD, Pune/ACWC Kolkata /ACWC Chennai/CWC Vishakhapatnam/CWC Bhubaneswar/MC Hyderabad.



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Bulletin No.: 18 (BOB 03/2016)

Time of issue: 1430 hours IST

Dated: 24.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
CONTROL ROOM NDMA (FAX.NO. 26701729)
CABINET SECRETARIAT (FAX.NO.23793144)
PS TO HON'BLE MINISTER FOR S & T 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)
UNI (FAX NO. 23355841)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)
CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)
CHIEF SECRETARY, GOVT. OF ANDHRA PRADESH (FAX NO. 040-23453700)
CHIEF SECRETARY, GOVT.OF WEST BENGAL (033-22144328)
CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX No. 03192-223331)

Sub: Deep Depression over eastcentral Bay of Bengal

The deep depression over eastcentral Bay of Bengal slightly moved northwards and lay centred at 1130 hrs IST of 24th October, 2016 over eastcentral Bay of Bengal, near Latitude 16.5° N and Longitude 93.2° E, about 540 km north-northeast of Port Blair and 320 km west-southwest of Yangon. The system is very likely to intensify into a cyclonic storm during next 24 hours. It will move initially north-northwestwards and then northwestwards. It is very likely to reach northwest Bay of Bengal in the morning of 27th. October, 2016

Further update on movement & forecast track of the system towards India coast will be provided after the re-curvature of the system.

Forecast track and intensity of the system are given in the table below:

Date/time(IST)	Position (lat. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic Disturbance
24-10-2016/1130	16.5/93.2	50-60 gusting to 70	Deep Depression
24-10-2016/1730	16.8/93.0	50-60 gusting to 70	Deep Depression
24-10-2016/2330	17.1/92.7	55-65 gusting to 75	Deep Depression
25-10-2016/0530	17.3/92.3	60-70 gusting to 80	Cyclonic Storm
25-10-2016/1130	17.5/91.8	60-70 gusting to 80	Cyclonic Storm
25-10-2016/2330	17.8/91.0	65-75 gusting to 85	Cyclonic Storm
26-10-2016/1130	18.1/89.7	70-80 gusting to 90	Cyclonic Storm
26-10-2016/2330	18.4/88.6	70-80 gusting to 90	Cyclonic Storm
27-10-2016/1130	18.7/87.5	75-85 gusting to 95	Cyclonic Storm
27-10-2016/2330	18.9/86.3	75-85 gusting to 95	Cyclonic Storm
28-10-2016/1130	19.1/85.3	80-90 gusting to 100	Cyclonic Storm

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%

Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.

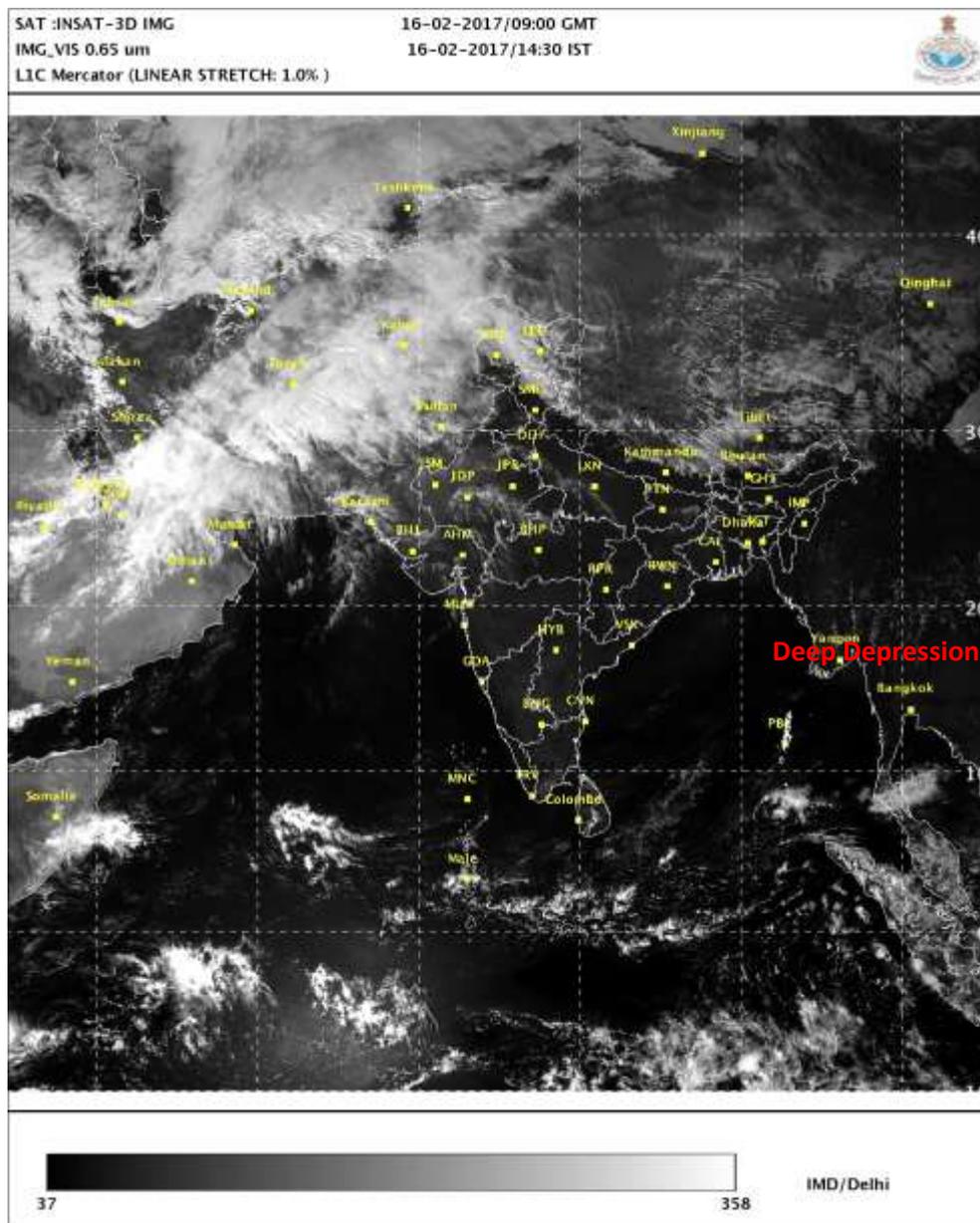
Warning:

- (lxv) **Wind:** Squally winds speed reaching 45-55 kmph gusting to 65 kmph is very likely to commence along and off Odisha and west Bengal coasts from 27th October 2016.
- (lxvi) **Fishermen Warning:** Fishermen are advised not to venture into sea along and off Odisha and West Bengal coast from 27th October onwards.

The next bulletin will be issued at 2030 hrs IST of today, the 24th October 2016.

(Naresh Kumar)
Scientist-D

Copy to: DFDD, Pune/ACWC Kolkata /ACWC Chennai/CWC Vishakhapatnam/CWC Bhubaneswar/MC Hyderabad.



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Bulletin No.: 19 (BOB 03/2016)

Time of issue: 2100 hours IST

Dated: 24.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

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

CONTROL ROOM NDMA (FAX.NO. 26701729)

CABINET SECRETARIAT (FAX.NO.23793144)

PS TO HON'BLE MINISTER FOR S & T 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)

UNI (FAX NO. 23355841)

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

CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)

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

CHIEF SECRETARY, GOVT. OF WEST BENGAL (033-22144328)

CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX No. 03192-223331)

Sub: Deep Depression over eastcentral Bay of Bengal

The deep depression over eastcentral Bay of Bengal moved west-northwestwards in past 06 hours and lay centred at 1730 hrs IST of 24th October, 2016 over eastcentral Bay of Bengal, near Latitude 16.7° N and Longitude 92.7° E, about 560 km north-northwest of Port Blair and 360 Km west-southwest of Yangon. The system is very likely to intensify into a cyclonic storm during next 24 hours. It will move initially northwestwards and then west-northwestwards. It is very likely to reach northwest Bay of Bengal in the morning of 27th. October, 2016

Forecast track and intensity of the system are given in the table below:

Date/time(IST)	Position (lat. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic Disturbance
24-10-2016/1730	16.7/92.7	50-60 gusting to 70	Deep Depression
24-10-2016/2330	16.9/92.4	55-65 gusting to 75	Deep Depression
25-10-2016/0530	17.1/92.0	60-70 gusting to 80	Cyclonic Storm
25-10-2016/1130	17.3/91.5	60-70 gusting to 80	Cyclonic Storm
25-10-2016/1730	17.5/91.1	60-70 gusting to 80	Cyclonic Storm
26-10-2016/0530	17.8/90.3	65-75 gusting to 85	Cyclonic Storm
26-10-2016/1730	18.2/89.2	70-80 gusting to 90	Cyclonic Storm
27-10-2016/0530	18.5/88.1	70-80 gusting to 90	Cyclonic Storm
27-10-2016/1730	18.8/87.0	75-85 gusting to 95	Cyclonic Storm
28-10-2016/0530	19.0/86.1	70-90 gusting to 100	Cyclonic Storm
28-10-2016/1730	19.1/85.3	80-90 gusting to 100	Cyclonic Storm

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%

Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.

Warning:

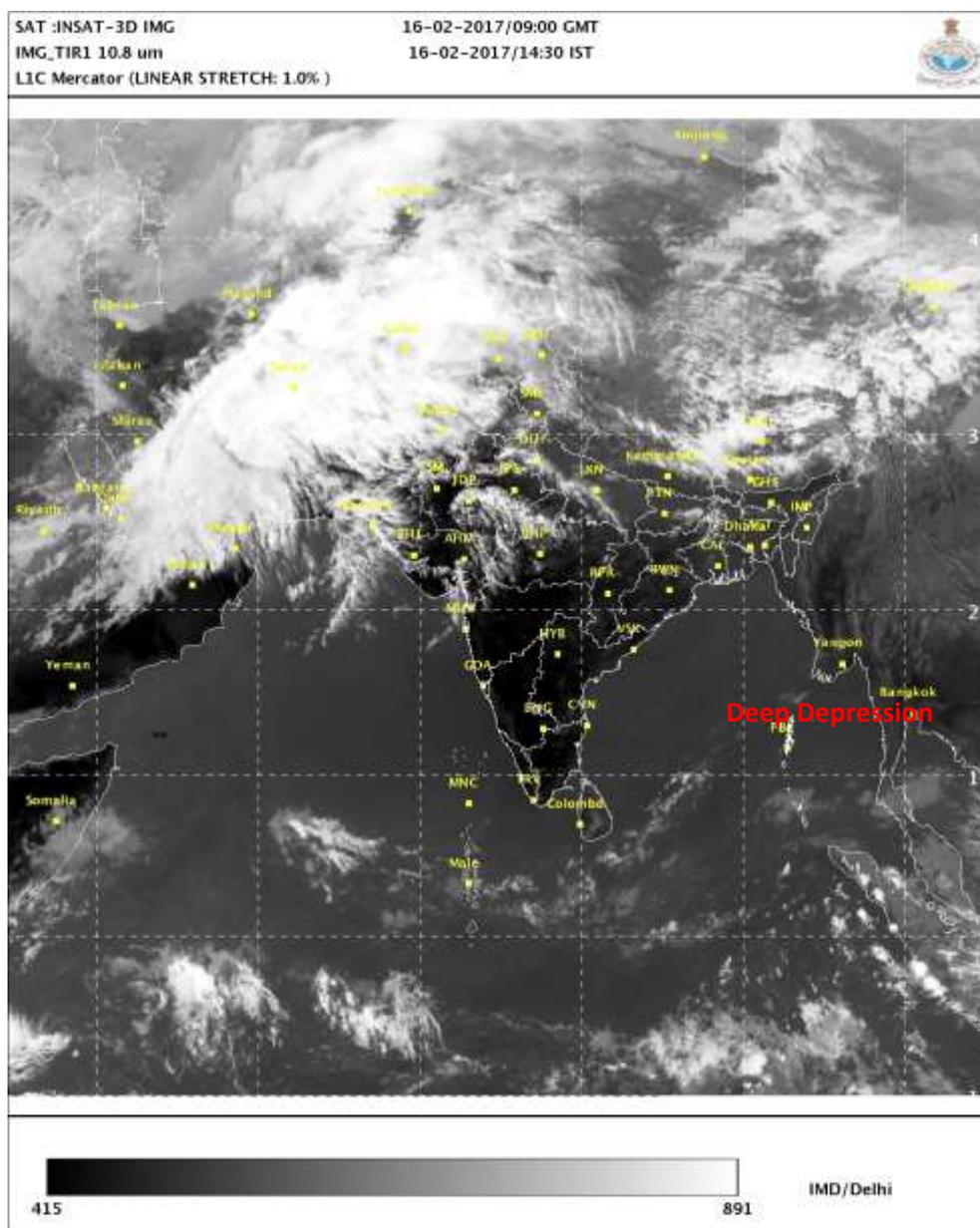
(I xvii) Wind: Squally winds speed reaching 45-55 kmph gusting to 65 kmph is very likely to commence along and off Odisha and west Bengal coasts from 27th October 2016.

(I xviii) Fishermen Warning: Fishermen are advised not to venture into sea along and off Odisha and West Bengal coast from 27th October onwards.

The next bulletin will be issued at 0230 hrs IST of tomorrow, the 25th October 2016.

**(Naresh Kumar)
Scientist-D**

*Copy to: DFDD, Pune/ACWC Kolkata /ACWC Chennai/CWC Vishakhapatnam/CWC
Bhubaneswar/MC Hyderabad.*



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Bulletin No.: 20 (BOB 03/2016)

Time of issue: 0230 hours IST

Dated: 25.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
CONTROL ROOM NDMA (FAX.NO. 26701729)
CABINET SECRETARIAT (FAX.NO.23793144)
PS TO HON'BLE MINISTER FOR S & T 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)
UNI (FAX NO. 23355841)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)
CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)
CHIEF SECRETARY, GOVT. OF ANDHRA PRADESH (FAX NO. 040-23453700)
CHIEF SECRETARY, GOVT. OF WEST BENGAL (033-22144328)
CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX No. 03192-223331)

Sub: Deep Depression over eastcentral Bay of Bengal

The deep depression over eastcentral Bay of Bengal moved west-northwestwards in past 06 hours and lay centred at 2330 hrs IST of 24th October, 2016 over eastcentral Bay of Bengal, near Latitude 16.8° N and Longitude 92.3° E, about 570 km north-northwest of Port Blair and 410 Km west-southwest of Yangon. The system is very likely to intensify into a cyclonic storm during next 24 hours. It is very likely to move west-northwestwards and reach northwest Bay of Bengal in the morning of 27th. October, 2016

Forecast track and intensity of the system are given in the table below:

Date/time(IST)	Position (lat. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic Disturbance
24-10-2016/2330	16.8/92.3	50-60 gusting to 70	Deep Depression
25-10-2016/0530	17.0/91.9	55-65 gusting to 75	Deep Depression
25-10-2016/1130	17.2/91.4	60-70 gusting to 80	Cyclonic Storm
25-10-2016/1730	17.4/91.0	60-70 gusting to 80	Cyclonic Storm
25-10-2016/2330	17.6/91.6	65-75 gusting to 85	Cyclonic Storm
26-10-2016/1130	18.0/89.7	70-80 gusting to 90	Cyclonic Storm
26-10-2016/2330	18.3/88.8	70-80 gusting to 90	Cyclonic Storm
27-10-2016/1130	18.6/87.6	75-85 gusting to 95	Cyclonic Storm
27-10-2016/2330	18.9/86.4	75-85 gusting to 95	Cyclonic Storm
28-10-2016/1130	19.1/85.4	80-90 gusting to 100	Cyclonic Storm

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.

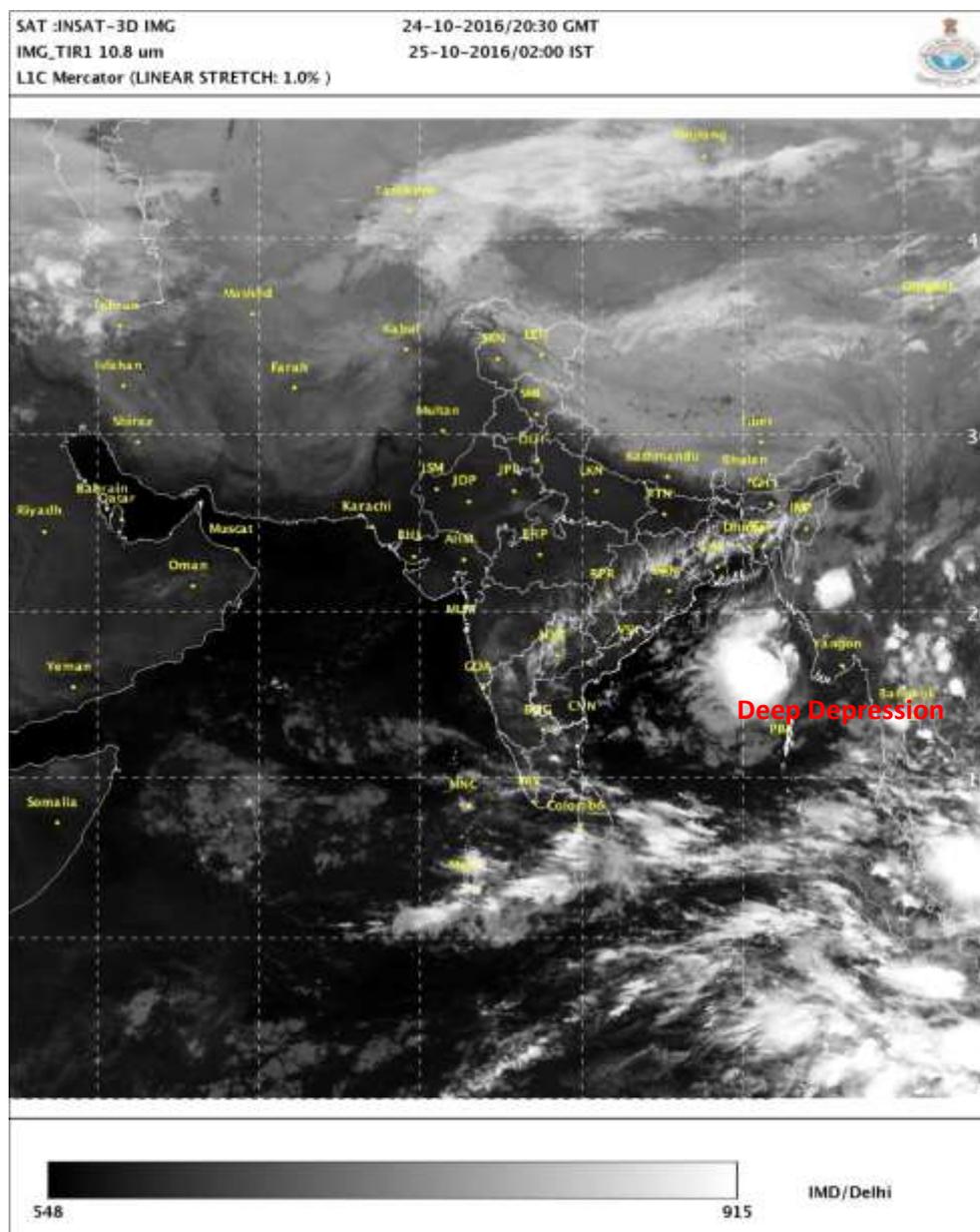
Warning:

- (Ixi) Wind:** Squally winds speed reaching 45-55 kmph gusting to 65 kmph is very likely to commence along and off Odisha and west Bengal coasts from 27th October 2016.
- (Ixx) Fishermen Warning:** Fishermen are advised not to venture into sea along and off Odisha and West Bengal coast from 27th October onwards.

The next bulletin will be issued at 0830 hrs IST of today, the 25th October 2016.

**(Naresh Kumar)
Scientist-D**

Copy to: DFDD, Pune/ACWC Kolkata /ACWC Chennai/CWC Vishakhapatnam/CWC Bhubaneswar/MC Hyderabad.



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Bulletin No.: 21 (BOB 03/2016)

Time of issue: 0830 hours IST

Dated: 25.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
CONTROL ROOM NDMA (FAX.NO. 26701729)
CABINET SECRETARIAT (FAX.NO.23793144)
PS TO HON'BLE MINISTER FOR S & T 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)
UNI (FAX NO. 23355841)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)
CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)
CHIEF SECRETARY, GOVT. OF ANDHRA PRADESH (FAX NO. 040-23453700)
CHIEF SECRETARY, GOVT. OF WEST BENGAL (033-22144328)
CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX No. 03192-223331)

Sub: Deep Depression over eastcentral Bay of Bengal

The deep depression over eastcentral Bay of Bengal moved west-northwestwards in past 06 hours and lay centred at 0530 hrs IST of 25th October, 2016 over eastcentral Bay of Bengal, near Latitude 16.9° N and Longitude 91.7° E, about 540 km north-northwest of Port Blair and 470 Km west-southwest of Yangon. The system is very likely to intensify into a cyclonic storm during next 12 hours.

It will move initially west-northwestwards and then west to west-southwestwards towards westcentral Bay of Bengal during next 72 hours.

Forecast track and intensity of the system are given in the table below:

Date/time(IST)	Position (lat. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic Disturbance
25-10-2016/0530	16.9/91.7	50-60 gusting to 70	Deep Depression
25-10-2016/1130	17.0/91.1	55-65 gusting to 75	Deep Depression
25-10-2016/1730	17.1/91.5	60-70 gusting to 80	Cyclonic Storm
25-10-2016/2330	17.2/89.9	60-70 gusting to 80	Cyclonic Storm
26-10-2016/0530	17.3/89.3	70-80 gusting to 90	Cyclonic Storm
26-10-2016/1730	17.5/87.7	70-80 gusting to 90	Cyclonic Storm
27-10-2016/0530	17.5/86.1	75-85 gusting to 95	Cyclonic Storm
27-10-2016/1730	17.3/84.5	80-90 gusting to 100	Cyclonic Storm
28-10-2016/0530	17.0/83.0	80-90 gusting to 100	Cyclonic Storm

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.

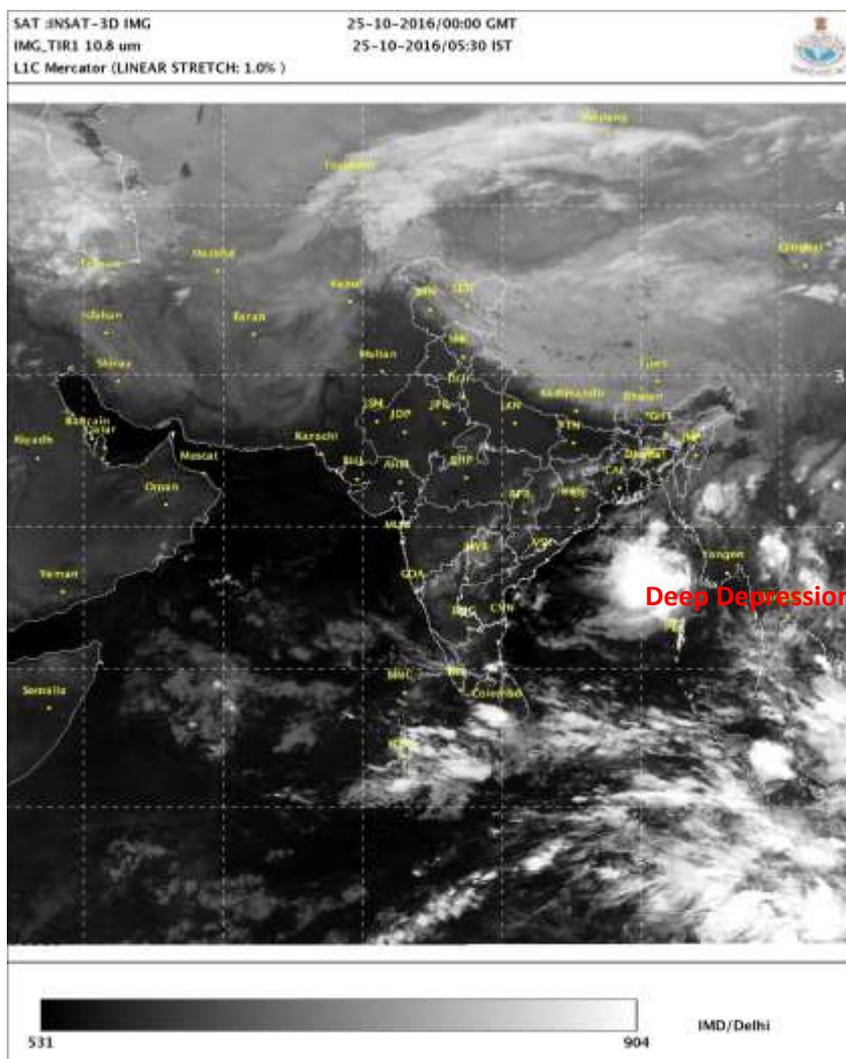
Warning:

- (Ixxi) Wind:** Squally winds speed reaching 45-55 kmph gusting to 65 kmph is very likely to commence along and off Odisha and west Bengal coasts from 27th October 2016.
- (Ixxii) Fishermen Warning:** Fishermen are advised not to venture into sea along and off Odisha and West Bengal coast from 27th October onwards.

The next bulletin will be issued at 1130 hrs IST of today, the 25th October 2016.

**(Naresh Kumar)
Scientist-D**

Copy to: DFDD, Pune/ACWC Kolkata /ACWC Chennai/CWC Vishakhapatnam/CWC Bhubaneswar/MC Hyderabad.



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Bulletin No.: 22 (BOB 03/2016)

Time of issue: 1130 hours IST

Dated: 25.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
CONTROL ROOM NDMA (FAX.NO. 26701729)
CABINET SECRETARIAT (FAX.NO.23793144)
PS TO HON'BLE MINISTER FOR S & T 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)
UNI (FAX NO. 23355841)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)
CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)
CHIEF SECRETARY, GOVT. OF ANDHRA PRADESH (FAX NO. 040-23453700)
CHIEF SECRETARY, GOVT. OF WEST BENGAL (033-22144328)
CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX No. 03192-223331)

Sub: Deep Depression over eastcentral Bay of Bengal has intensified into Cyclonic storm 'KYANT'

The deep depression over eastcentral Bay of Bengal moved further west-northwestwards in past 03 hours, intensified into a cyclonic storm 'KYANT' and lay centred at 0830 hrs IST of 25th October, 2016 over eastcentral Bay of Bengal, near Latitude 17.0° N and Longitude 91.2° E, about 620 km north-northwest of Port Blair, 710 km south-southeast of Gopalpur and 850 km east of Vishakhapatnam

The system will move initially west-northwestwards and then west to west-southwestwards towards westcentral Bay of Bengal during next 72 hours.

Forecast track and intensity of the system are given in the table below:

Date/time(IST)	Position (lat. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic Disturbance
25-10-2016/0830	17.0/91.2	60-70 gusting to 80	Cyclonic Storm
25-10-2016/1130	17.1/90.9	60-70 gusting to 80	Cyclonic Storm
25-10-2016/1730	17.2/90.5	60-70 gusting to 80	Cyclonic Storm
25-10-2016/2330	17.3/89.9	70-80 gusting to 90	Cyclonic Storm
26-10-2016/0530	17.4/89.3	70-80 gusting to 90	Cyclonic Storm
26-10-2016/1730	17.5/87.7	75-85 gusting to 95	Cyclonic Storm
27-10-2016/0530	17.5/86.1	75-85 gusting to 95	Cyclonic Storm
27-10-2016/1730	17.3/84.5	80-90 gusting to 100	Cyclonic Storm
28-10-2016/0530	17.0/83.0	80-90 gusting to 100	Cyclonic Storm

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.

Warning:

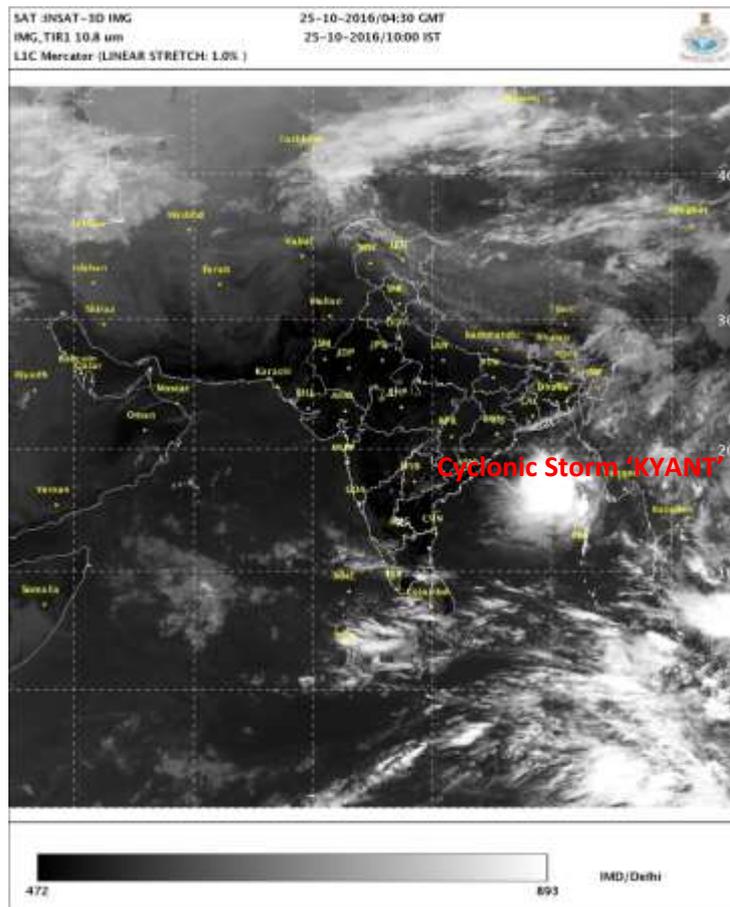
(Ixxiii) Wind: Squally winds speed reaching 45-55 kmph gusting to 65 kmph is very likely to commence along and off Odisha and north coastal Andhra Pradesh coasts from 27th October 2016 onwards.

(Ixxiv) Fishermen Warning: Fishermen are advised not to venture into sea along and off Odisha and north coastal Andhra Pradesh coasts from 27th October onwards.

The next bulletin will be issued at 1430 hrs IST of today, the 25th October 2016.

**(Naresh Kumar)
Scientist-D**

*Copy to: DFDD, Pune/ACWC Kolkata /ACWC Chennai/CWC Vishakhapatnam/CWC
Bhubaneswar/MC Hyderabad.*



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Bulletin No.: 23 (BOB 03/2016)

Time of issue: 1430 hours IST

Dated: 25.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
CONTROL ROOM NDMA (FAX.NO. 26701729)
CABINET SECRETARIAT (FAX.NO.23793144)
PS TO HON'BLE MINISTER FOR S & T 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)
UNI (FAX NO. 23355841)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)
CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)
CHIEF SECRETARY, GOVT. OF ANDHRA PRADESH (FAX NO. 040-23453700)
CHIEF SECRETARY, GOVT. OF WEST BENGAL (033-22144328)
CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX No. 03192-223331)

Sub: Cyclonic storm 'KYANT' over eastcentral Bay of Bengal

The cyclonic storm 'KYANT' over eastcentral Bay of Bengal moved further west-northwestwards in past 06 hours with speed 15 kmph and lay centred at 1130 hrs IST of 25th October, 2016 over eastcentral Bay of Bengal, near Latitude 17.1° N and Longitude 90.9° E, about 630 km north-northwest of Port Blair, 680 km south-southeast of Gopalpur and 815 km east of Vishakhapatnam.

The system is very likely to move west to west-southwestwards towards westcentral Bay of Bengal during next 72 hours.

Forecast track and intensity of the system are given in the table below:

Date/time(IST)	Position (lat. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic Disturbance
25-10-2016/1130	17.1/90.9	60-70 gusting to 80	Cyclonic Storm
25-10-2016/1730	17.1/90.5	60-70 gusting to 80	Cyclonic Storm
25-10-2016/2330	17.1/89.9	60-70 gusting to 80	Cyclonic Storm
26-10-2016/0530	17.0/89.3	70-80 gusting to 90	Cyclonic Storm
26-10-2016/1130	16.9/88.5	70-80 gusting to 90	Cyclonic Storm
26-10-2016/2330	16.7/87.0	80-90 gusting to 100	Cyclonic Storm
27-10-2016/1130	16.4/85.3	80-90 gusting to 100	Cyclonic Storm
27-10-2016/2330	16.1/83.8	70-80 gusting to 90	Cyclonic Storm
28-10-2016/1130	15.8/82.4	60-70 gusting to 80	Cyclonic Storm
28-10-2016/2330	15.5/81.7	50-60 gusting to 70	Deep depression

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.

Warning:

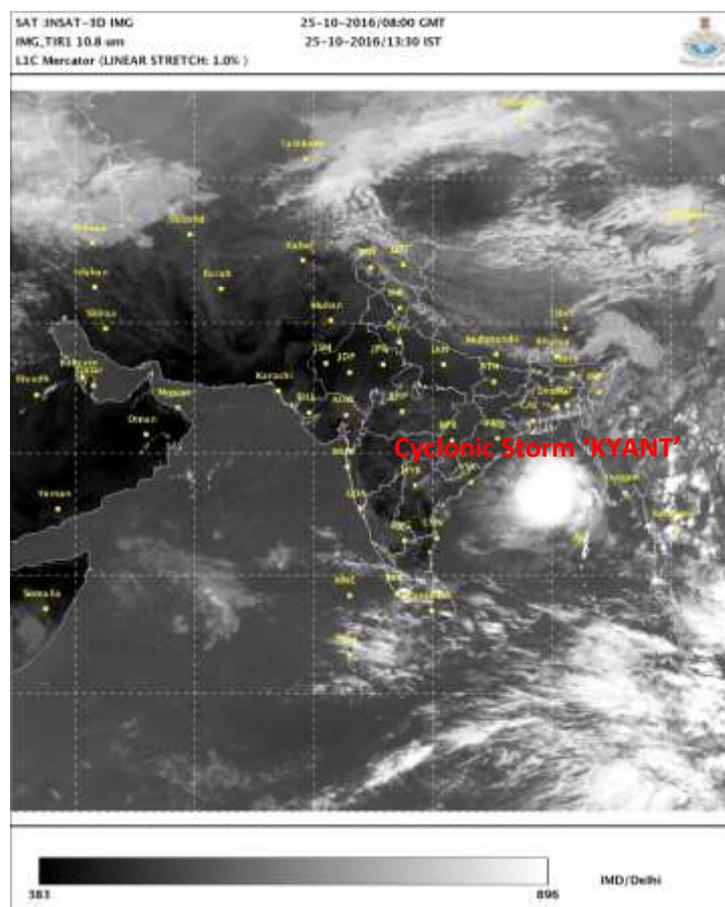
(Ixxv) Wind: Squally winds speed reaching 45-55 kmph gusting to 65 kmph is very likely to commence along and off Odisha and north coastal Andhra Pradesh coasts from 27th October 2016 onwards.

(Ixxvi) Fishermen Warning: Fishermen are advised not to venture into sea along and off Odisha and north coastal Andhra Pradesh coasts from 27th October onwards.

The next bulletin will be issued at 1730 hrs IST of today, the 25th October 2016.

**(Naresh Kumar)
Scientist-D**

*Copy to: DFDD, Pune/ACWC Kolkata /ACWC Chennai/CWC Vishakhapatnam/CWC
Bhubaneswar/MC Hyderabad.*



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Bulletin No.: 24 (BOB 03/2016)

Time of issue: 1730 hours IST

Dated: 25.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

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

CONTROL ROOM NDMA (FAX.NO. 26701729)

CABINET SECRETARIAT (FAX.NO.23793144)

PS TO HON'BLE MINISTER FOR S & T 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)

UNI (FAX NO. 23355841)

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

CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)

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

CHIEF SECRETARY, GOVT. OF WEST BENGAL (033-22144328)

CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX No. 03192-223331)

Sub: Cyclonic storm 'KYANT' over eastcentral Bay of Bengal

The cyclonic storm 'KYANT' over eastcentral Bay of Bengal moved west-southwestwards in past 06 hours with speed 11 kmph and lay centred at 1430 hrs IST of 25th October, 2016 over eastcentral Bay of Bengal, near Latitude 16.8° N and Longitude 90.6° E, about 610 km north-northwest of Port Blair, 660 km south-southeast of Gopalpur and 780 km nearly east of Vishakhapatnam.

The system is very likely to move west-southwestwards towards westcentral Bay of Bengal during next 72 hours.

Forecast track and intensity of the system are given in the table below:

Date/time(IST)	Position (lat. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic Disturbance
25-10-2016/1430	16.8/90.6	60-70 gusting to 80	Cyclonic Storm
25-10-2016/1730	16.7/90.4	60-70 gusting to 80	Cyclonic Storm
25-10-2016/2330	16.6/89.8	60-70 gusting to 80	Cyclonic Storm
26-10-2016/0530	16.5/89.2	70-80 gusting to 90	Cyclonic Storm
26-10-2016/1130	16.4/88.4	70-80 gusting to 90	Cyclonic Storm
26-10-2016/2330	16.2/86.9	80-90 gusting to 100	Cyclonic Storm
27-10-2016/1130	16.0/85.2	80-90 gusting to 100	Cyclonic Storm
27-10-2016/2330	15.8/83.7	70-80 gusting to 90	Cyclonic Storm
28-10-2016/1130	15.6/82.4	60-70 gusting to 80	Cyclonic Storm

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%

Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.

28-10-2016/2330	15.5/81.7	50-60 gusting to 70	Deep depression
-----------------	-----------	---------------------	-----------------

Warning:

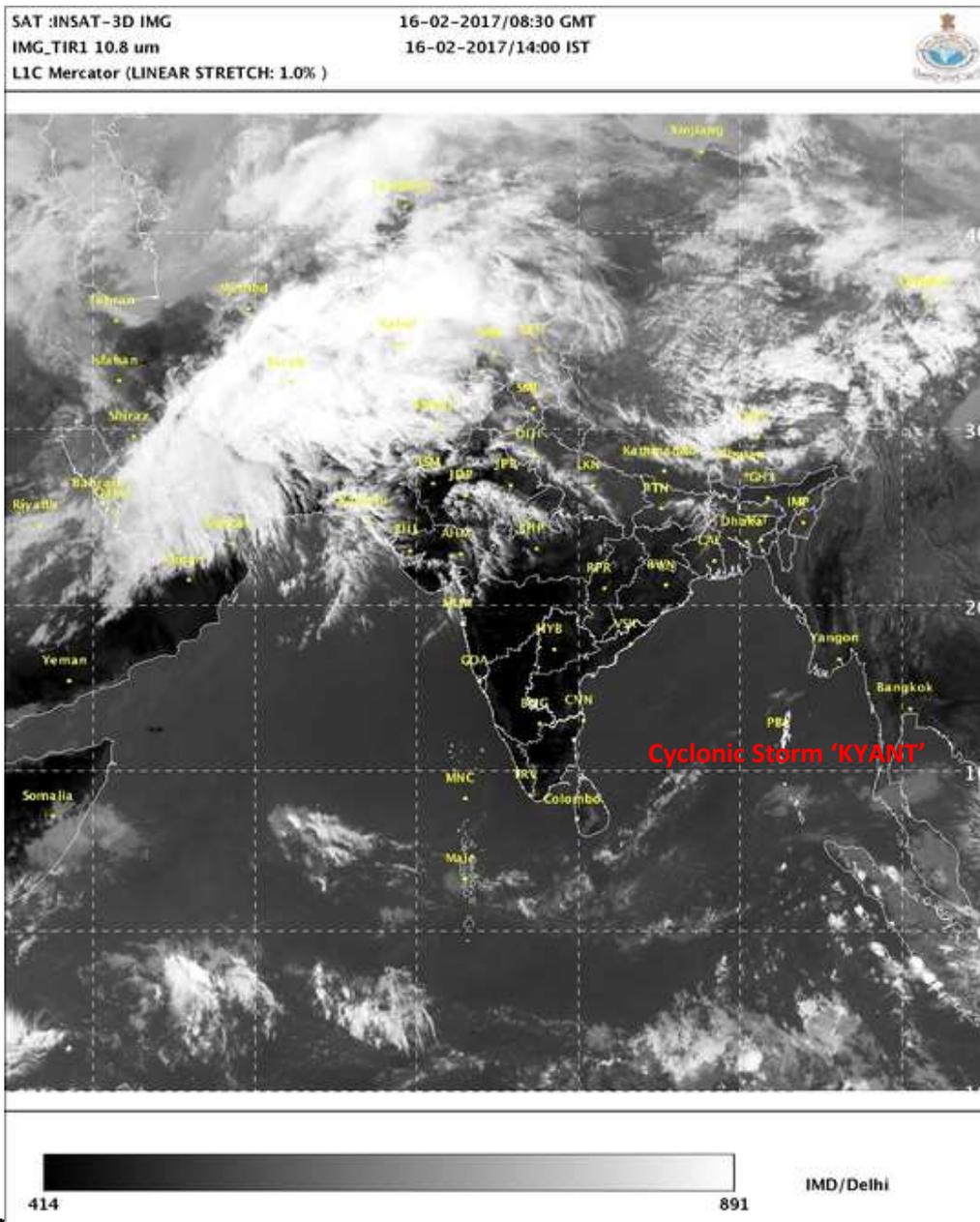
(Ixxvii) Wind: Squally winds speed reaching 45-55 kmph gusting to 65 kmph is very likely to commence along and off Odisha and north coastal Andhra Pradesh coasts from 27th October 2016 onwards.

(Ixxviii) Fishermen Warning: Fishermen are advised not to venture into sea along and off Odisha and north coastal Andhra Pradesh coasts from 27th October onwards.

The next bulletin will be issued at 2030 hrs IST of today, the 25th October 2016.

**(Naresh Kumar)
Scientist-D**

Copy to: DFDD, Pune/ACWC Kolkata /ACWC Chennai/CWC Vishakhapatnam/CWC Bhubaneswar/MC Hyderabad.



Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Bulletin No.: 25 (BOB 03/2016)

Time of issue: 2030 hours IST

Dated: 25.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
CONTROL ROOM NDMA (FAX.NO. 26701729)
CABINET SECRETARIAT (FAX.NO.23793144)
PS TO HON'BLE MINISTER FOR S & T 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)
UNI (FAX NO. 23355841)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)
CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)
CHIEF SECRETARY, GOVT. OF ANDHRA PRADESH (FAX NO. 040-23453700)
CHIEF SECRETARY, GOVT. OF WEST BENGAL (033-22144328)
CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX No. 03192-223331)

Sub: Cyclonic storm 'KYANT' over eastcentral Bay of Bengal

The cyclonic storm 'KYANT' over eastcentral Bay of Bengal moved west-southwestwards in past 06 hours with speed 09 kmph and lay centred at 1730 hrs IST of 25th October, 2016 over eastcentral Bay of Bengal, near Latitude 16.8° N and Longitude 90.5° E, 650 km east-southeast of Gopalpur and 770 km east-southeast of Vishakhapatnam and 1000 km east-northeast of Machilipatnam. The system is very likely to slightly intensify further during next 36 hours. It is most likely to move west-southwestwards towards westcentral Bay of Bengal during next 72 hours.

Forecast track and intensity of the system are given in the table below:

Date/time(IST)	Position (lat. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic Disturbance
25-10-2016/1730	16.8/90.5	60-70 gusting to 80	Cyclonic Storm
25-10-2016/2330	16.6/89.8	60-70 gusting to 80	Cyclonic Storm
26-10-2016/0530	16.5/89.2	70-80 gusting to 90	Cyclonic Storm
26-10-2016/1130	16.4/88.4	70-80 gusting to 90	Cyclonic Storm
26-10-2016/1730	16.3/87.6	70-80 gusting to 90	Cyclonic Storm
27-10-2016/0530	16.1/85.9	80-90 gusting to 100	Cyclonic Storm
27-10-2016/1730	15.9/84.4	80-90 gusting to 100	Cyclonic Storm
28-10-2016/0530	15.7/83.2	80-90 gusting to 100	Cyclonic Storm
28-10-2016/1730	15.5/82.3	70-80 gusting to 90	Cyclonic Storm
29-10-2016/0530	15.3/81.6	60-70 gusting to 80	Cyclonic Storm
29-10-2016/1730	15.1/81.1	50-60 gusting to 70	Deep Depression

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%

Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.

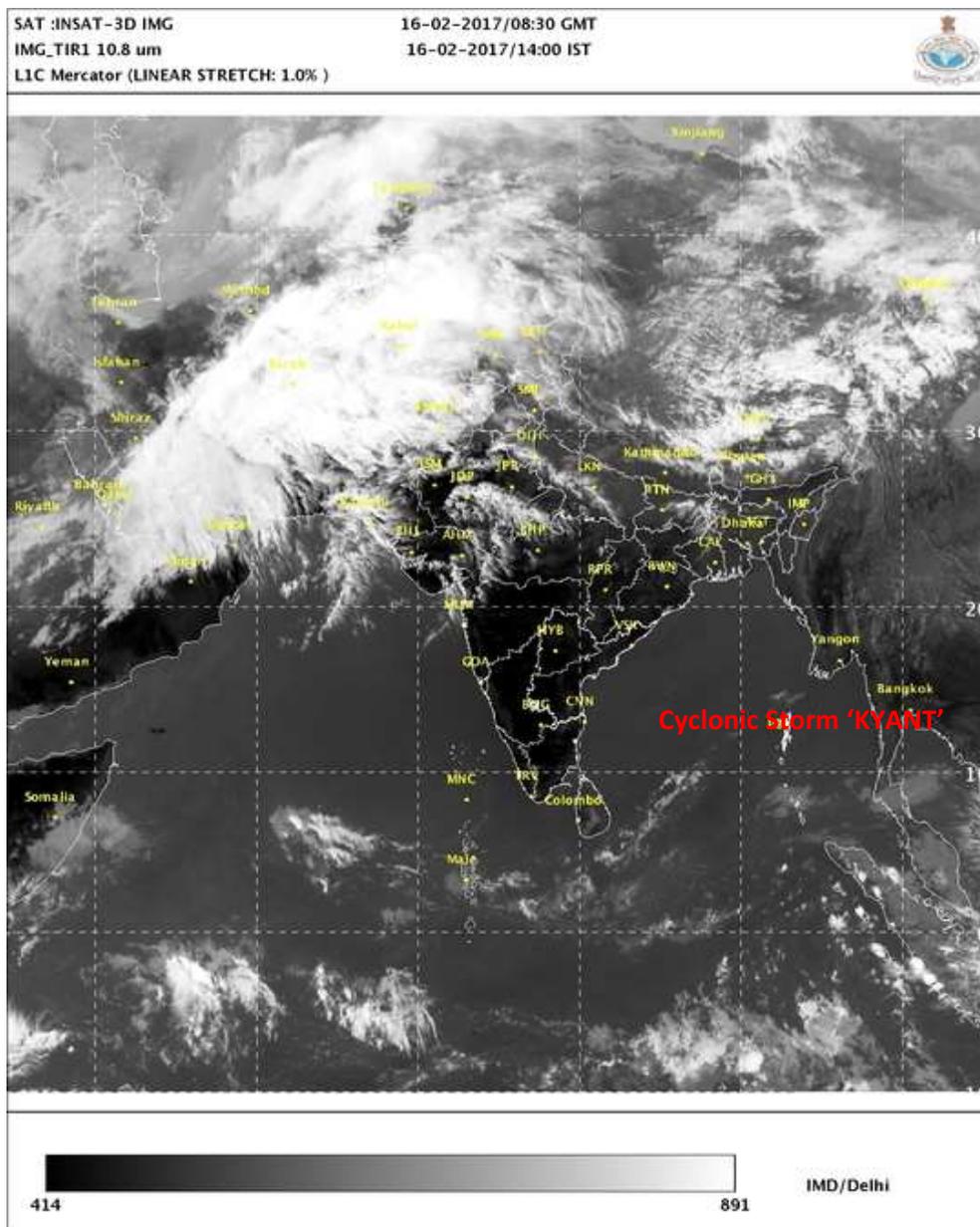
Warning:

- (lxxix) Wind:** Squally winds speed reaching 45-55 kmph gusting to 65 kmph is very likely to prevail along & off south Odisha on 27th & 28th and along & off Andhra Pradesh coasts from 27th to 30th October 2016.
- (lxxx) Sea condition:** Sea condition will be rough to very rough along & off south Odisha on 27th & 28th and along & off Andhra Pradesh coasts during 27th to 30th October 2016.
- (lxxxi) Fishermen Warning:** Fishermen are advised not to venture into sea along & off south Odisha and Andhra Pradesh coasts from 27th October onwards.

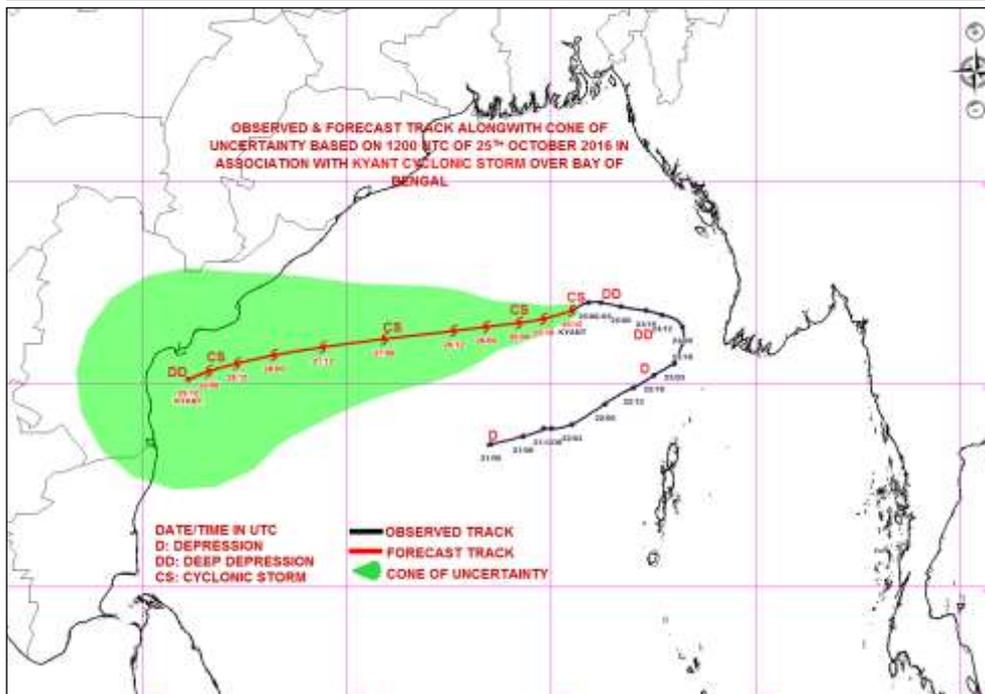
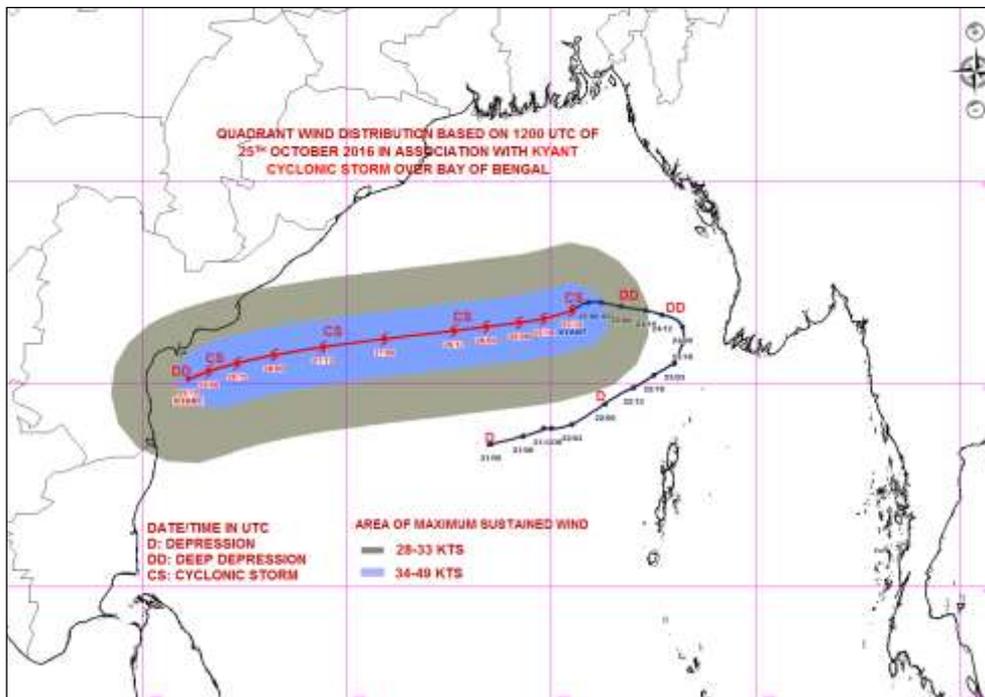
The next bulletin will be issued at 2330 hrs IST of today, the 25th October 2016.

**(D. R. Pattanaik)
Scientist-E**

Copy to: DFDD, Pune/ACWC Kolkata /ACWC Chennai/CWC Vishakhapatnam/CWC Bhubaneswar/MC Hyderabad.



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Bulletin No.: 26 (BOB 03/2016)

Time of issue: 2330 hours IST

Dated: 25.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
CONTROL ROOM NDMA (FAX.NO. 26701729)
CABINET SECRETARIAT (FAX.NO.23793144)
PS TO HON'BLE MINISTER FOR S & T 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)
UNI (FAX NO. 23355841)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)
CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)
CHIEF SECRETARY, GOVT. OF ANDHRA PRADESH (FAX NO. 040-23453700)
CHIEF SECRETARY, GOVT. OF WEST BENGAL (033-22144328)
CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX No. 03192-223331)

Sub: Cyclonic storm 'KYANT' over eastcentral Bay of Bengal

The cyclonic storm 'KYANT' over eastcentral Bay of Bengal moved further west-southwestwards in past 06 hours with speed 07 kmph and lay centred at 2030 hrs IST of 25th October, 2016 over eastcentral Bay of Bengal, near Latitude 16.7° N and Longitude 90.2° E, 630 km east-southeast of Gopalpur, 750 km east-southeast of Vishakhapatnam and 970 km east-northeast of Machilipatnam. The system is very likely to slightly intensify further during next 36 hours. It is most likely to move west-southwestwards towards westcentral Bay of Bengal during next 72 hours.

Forecast track and intensity of the system are given in the table below:

Date/time(IST)	Position (lat. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic Disturbance
25-10-2016/2030	16.7/90.2	60-70 gusting to 80	Cyclonic Storm
25-10-2016/2330	16.6/89.8	60-70 gusting to 80	Cyclonic Storm
26-10-2016/0530	16.5/89.2	70-80 gusting to 90	Cyclonic Storm
26-10-2016/1130	16.4/88.4	70-80 gusting to 90	Cyclonic Storm
26-10-2016/1730	16.3/87.6	70-80 gusting to 90	Cyclonic Storm
27-10-2016/0530	16.1/85.9	80-90 gusting to 100	Cyclonic Storm
27-10-2016/1730	15.9/84.4	80-90 gusting to 100	Cyclonic Storm
28-10-2016/0530	15.7/83.2	80-90 gusting to 100	Cyclonic Storm
28-10-2016/1730	15.5/82.3	70-80 gusting to 90	Cyclonic Storm
29-10-2016/0530	15.3/81.6	60-70 gusting to 80	Cyclonic Storm
29-10-2016/1730	15.1/81.1	50-60 gusting to 70	Deep Depression

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%

Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.

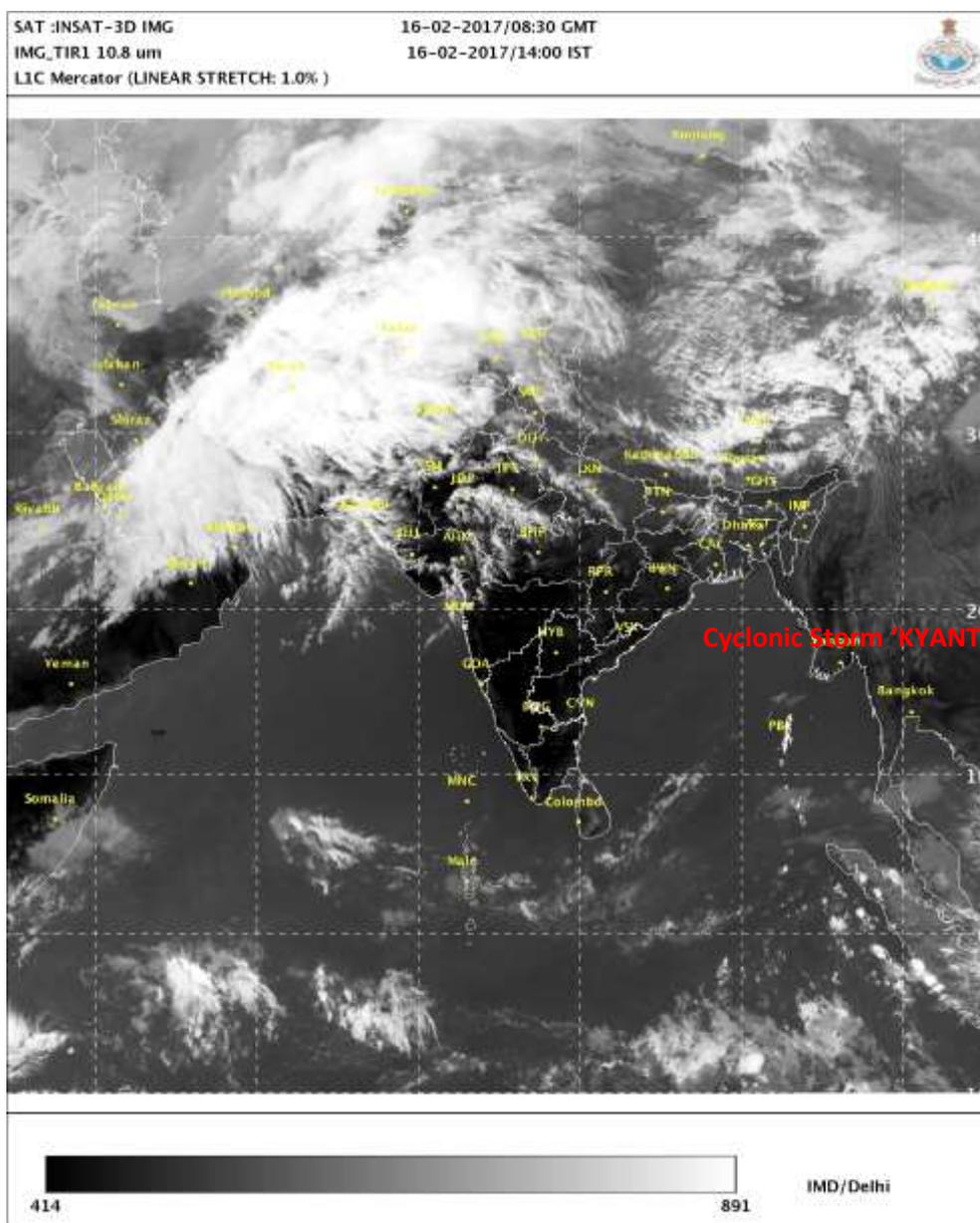
Warning:

- (lxxxii) **Wind:** Squally winds speed reaching 45-55 kmph gusting to 65 kmph is very likely to prevail along & off south Odisha on 27th & 28th and along & off Andhra Pradesh coasts from 27th to 30th October 2016.
- (lxxxiii) **Sea condition:** Sea condition will be rough to very rough along & off south Odisha on 27th & 28th and along & off Andhra Pradesh coasts during 27th to 30th October 2016.
- (lxxxiv) **Fishermen Warning:** Fishermen are advised not to venture into sea along & off south Odisha and Andhra Pradesh coasts from 27th October onwards.

The next bulletin will be issued at 0230 hrs IST of tomorrow, the 26th October 2016.

(D. R. Pattanaik)
Scientist-E
IMD, NEW DELHI

Copy to: DFDD, Pune/ACWC Kolkata /ACWC Chennai/CWC Vishakhapatnam/CWC
Bhubaneswar/MC Hyderabad.



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Bulletin No.: 27 (BOB 03/2016)

Time of issue: 0230 hours IST

Dated: 26.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
CONTROL ROOM NDMA (FAX.NO. 26701729)
CABINET SECRETARIAT (FAX.NO.23793144)
PS TO HON'BLE MINISTER FOR S & T 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)
UNI (FAX NO. 23355841)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)
CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)
CHIEF SECRETARY, GOVT. OF ANDHRA PRADESH (FAX NO. 040-23453700)
CHIEF SECRETARY, GOVT. OF WEST BENGAL (033-22144328)
CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX No. 03192-223331)

Sub: Cyclonic storm 'KYANT' over eastcentral Bay of Bengal

The cyclonic storm 'KYANT' over eastcentral Bay of Bengal moved further west-southwestwards in past 06 hours with speed 07 kmph and lay centred at 2330 hrs IST of 25th October, 2016 over eastcentral Bay of Bengal, near Latitude 16.6° N and Longitude 89.8° E, 600 km east-southeast of Gopalpur, 705 km east-southeast of Vishakhapatnam and 920 km east-northeast of Machilipatnam. The system is very likely to slightly intensify further during next 36 hours. It is most likely to move west-southwestwards towards westcentral Bay of Bengal during next 72 hours.

Forecast track and intensity of the system are given in the table below:

Date/time(IST)	Position (lat. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic Disturbance
25-10-2016/2330	16.6/89.8	60-70 gusting to 80	Cyclonic Storm
26-10-2016/0530	16.5/89.2	70-80 gusting to 90	Cyclonic Storm
26-10-2016/1130	16.4/88.4	70-80 gusting to 90	Cyclonic Storm
26-10-2016/1730	16.3/87.6	70-80 gusting to 90	Cyclonic Storm
26-10-2016/2330	16.2/86.7	80-90 gusting to 100	Cyclonic Storm
27-10-2016/1130	16.0/85.1	80-90 gusting to 100	Cyclonic Storm
27-10-2016/2330	15.8/83.8	80-90 gusting to 100	Cyclonic Storm
28-10-2016/1130	15.6/82.7	70-80 gusting to 90	Cyclonic Storm
28-10-2016/2330	15.4/81.9	60-70 gusting to 80	Cyclonic Storm
29-10-2016/1130	15.2/81.3	50-60 gusting to 70	Deep Depression

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.

Warning:

(lxxxv) Wind: Squally winds speed reaching 45-55 kmph gusting to 65 kmph is very likely to prevail along & off south Odisha on 27th & 28th and along & off Andhra Pradesh coasts from 27th to 30th October 2016.

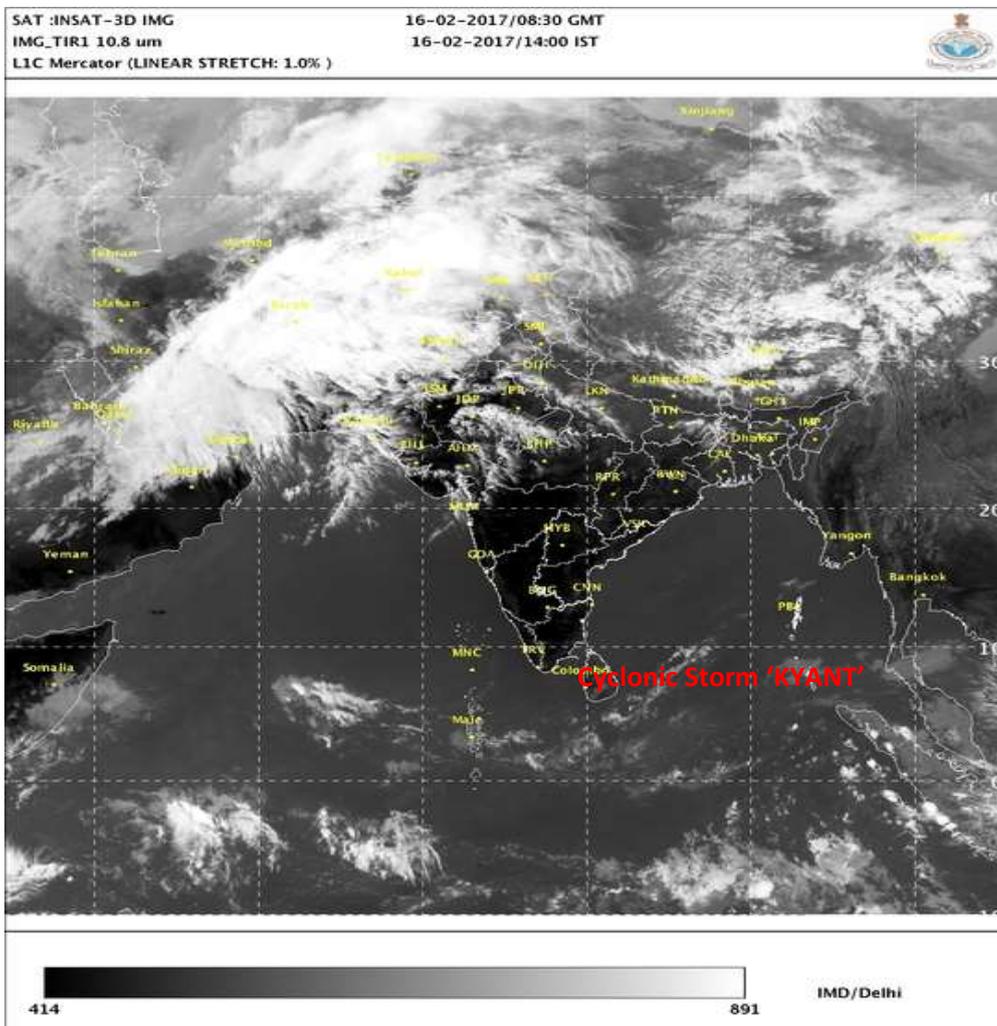
(lxxxvi) Sea condition: Sea condition will be rough to very rough along & off south Odisha on 27th & 28th and along & off Andhra Pradesh coasts during 27th to 30th October 2016.

(lxxxvii) Fishermen Warning: Fishermen are advised not to venture into sea along & off south Odisha and Andhra Pradesh coasts from 27th October onwards.

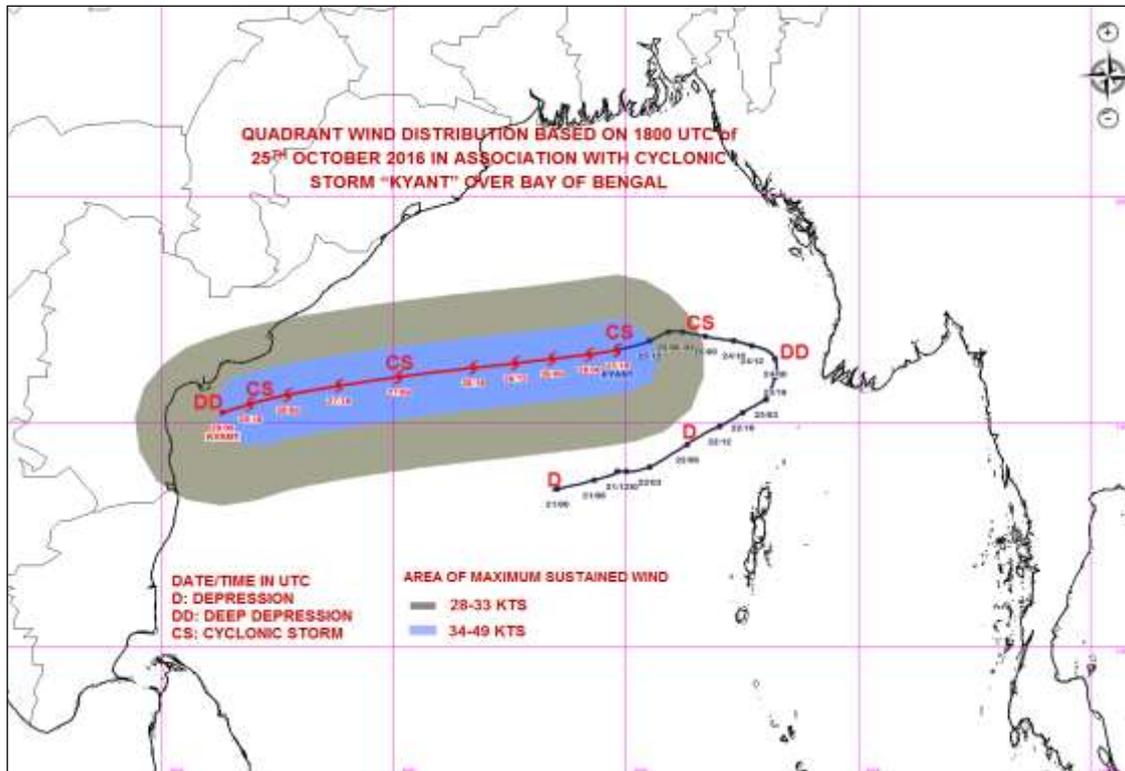
The next bulletin will be issued at 0530 hrs IST of today, the 26th October 2016.

**(D. R. Pattanaik)
Scientist-E
IMD, NEW DELHI**

Copy to: DFDD, Pune/ACWC Kolkata /ACWC Chennai/CWC Vishakhapatnam/CWC Bhubaneswar/MC Hyderabad.



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Bulletin No.: 28 (BOB 03/2016)

Time of issue: 0530 hours IST

Dated: 26.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
CONTROL ROOM NDMA (FAX.NO. 26701729)
CABINET SECRETARIAT (FAX.NO.23793144)
PS TO HON'BLE MINISTER FOR S & T 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)
UNI (FAX NO. 23355841)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)
CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)
CHIEF SECRETARY, GOVT. OF ANDHRA PRADESH (FAX NO. 040-23453700)
CHIEF SECRETARY, GOVT. OF WEST BENGAL (033-22144328)
CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX No. 03192-223331)

Sub: Cyclonic storm 'KYANT' over eastcentral Bay of Bengal

The cyclonic storm 'KYANT' over eastcentral Bay of Bengal moved further west-southwestwards in past 06 hours with speed 06 kmph and lay centred at 0230 hrs IST of 26th October, 2016 over eastcentral Bay of Bengal, near Latitude 16.5° N and Longitude 89.6° E, 585 km east-southeast of Gopalpur, 685 km east-southeast of Vishakhapatnam and 900 km east-northeast of Machilipatnam. The system is very likely to slightly intensify further during next 36 hours. It is most likely to move west-southwestwards towards westcentral Bay of Bengal during next 72 hours.

Forecast track and intensity of the system are given in the table below:

Date/time(IST)	Position (lat. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic Disturbance
26-10-2016/0230	16.5/89.6	60-70 gusting to 80	Cyclonic Storm
26-10-2016/0530	16.5/89.2	70-80 gusting to 90	Cyclonic Storm
26-10-2016/1130	16.4/88.4	70-80 gusting to 90	Cyclonic Storm
26-10-2016/1730	16.3/87.6	70-80 gusting to 90	Cyclonic Storm
26-10-2016/2330	16.2/86.7	80-90 gusting to 100	Cyclonic Storm
27-10-2016/1130	16.0/85.1	80-90 gusting to 100	Cyclonic Storm
27-10-2016/2330	15.8/83.8	80-90 gusting to 100	Cyclonic Storm
28-10-2016/1130	15.6/82.7	70-80 gusting to 90	Cyclonic Storm
28-10-2016/2330	15.4/81.9	60-70 gusting to 80	Cyclonic Storm
29-10-2016/1130	15.2/81.3	50-60 gusting to 70	Deep Depression

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.

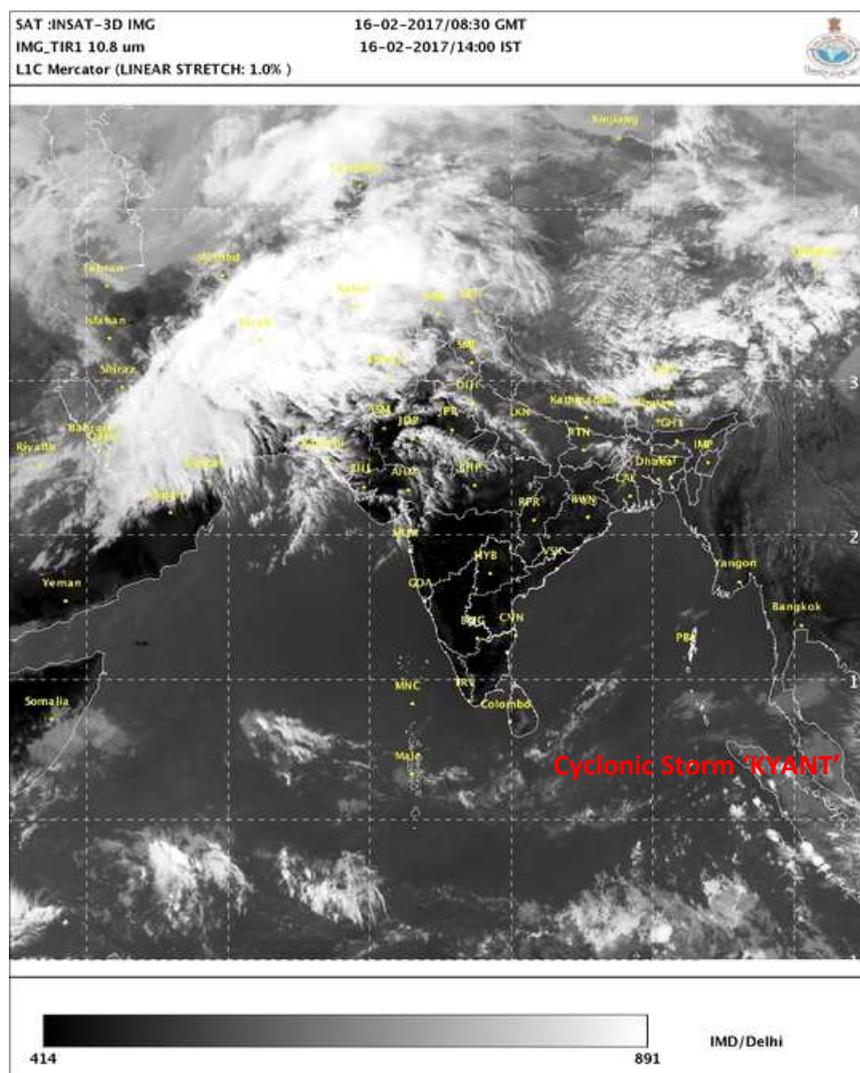
Warning:

- (lxxxviii) **Wind:** Squally winds speed reaching 45-55 kmph gusting to 65 kmph is very likely to prevail along & off south Odisha on 27th & 28th and along & off Andhra Pradesh coasts from 27th to 30th October 2016.
- (lxxxix) **Sea condition:** Sea condition will be rough to very rough along & off south Odisha on 27th & 28th and along & off Andhra Pradesh coasts during 27th to 30th October 2016.
- (xc) **Fishermen Warning:** Fishermen are advised not to venture into sea along & off south Odisha and Andhra Pradesh coasts from 27th October onwards.

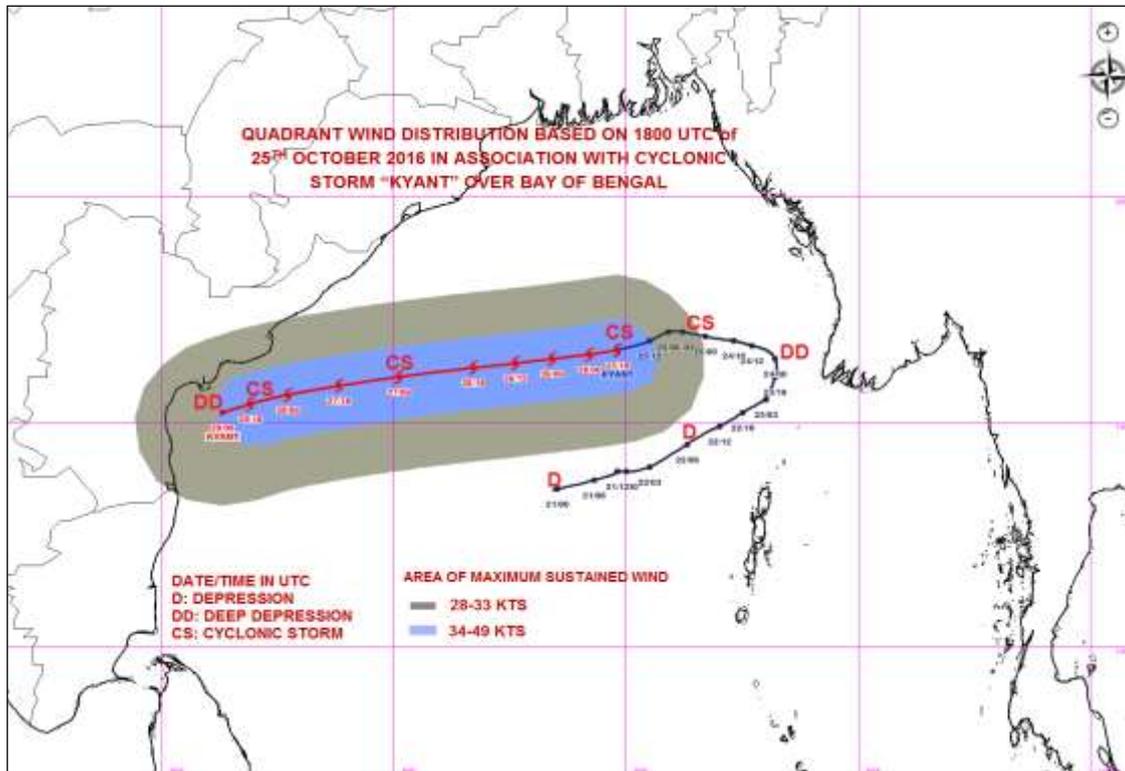
The next bulletin will be issued at 0830 hrs IST of today, the 26th October 2016.

(D. R. Pattanaik)
Scientist-E
IMD, NEW DELHI

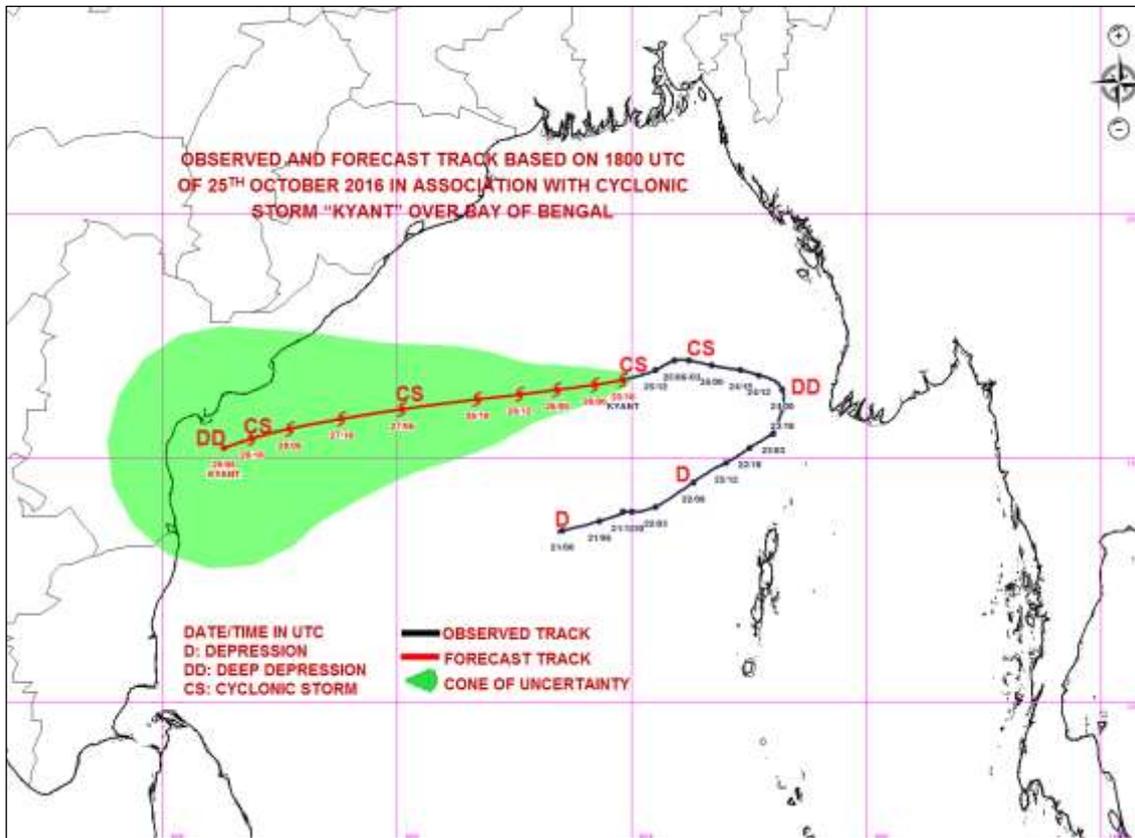
Copy to: DFDD, Pune/ACWC Kolkata /ACWC Chennai/CWC Vishakhapatnam/CWC Bhubaneswar/MC Hyderabad.



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Bulletin No.: 29 (BOB 03/2016)

Time of issue: 0830 hours IST

Dated: 26.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
CONTROL ROOM NDMA (FAX.NO. 26701729)
CABINET SECRETARIAT (FAX.NO.23793144)
PS TO HON'BLE MINISTER FOR S & T 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)
UNI (FAX NO. 23355841)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)
CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)
CHIEF SECRETARY, GOVT. OF ANDHRA PRADESH (FAX NO. 040-23453700)
CHIEF SECRETARY, GOVT.OF WEST BENGAL (033-22144328)
CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX No. 03192-223331)

Sub: Cyclonic storm 'KYANT' over eastcentral Bay of Bengal

The cyclonic storm 'KYANT' over eastcentral Bay of Bengal moved further west-southwestwards in past 06 hours with speed 14 kmph and lay centred at 0530 hrs IST of 26th October, 2016 over eastcentral Bay of Bengal, near Latitude 16.6° N and Longitude 89.0° E, 520 km east-southeast of Gopalpur, 620 km east-southeast of Vishakhapatnam and 830 km east-northeast of Machilipatnam. The system is very likely to slightly intensify further during next 24 hours. It is most likely to move west-southwestwards towards westcentral Bay of Bengal during next 72 hours.

Forecast track and intensity of the system are given in the table below:

Date/time(IST)	Position (lat. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic Disturbance
26-10-2016/0530	16.6/89.0	70-80 gusting to 90	Cyclonic Storm
26-10-2016/1130	16.5/88.0	70-80 gusting to 90	Cyclonic Storm
26-10-2016/1730	16.5/87.0	70-80 gusting to 90	Cyclonic Storm
26-10-2016/2330	16.4/86.0	80-90 gusting to 100	Cyclonic Storm
27-10-2016/0530	16.3/85.0	80-90 gusting to 100	Cyclonic Storm
27-10-2016/1730	16.1/83.5	80-90 gusting to 100	Cyclonic Storm
28-10-2016/0530	15.8/82.5	70-80 gusting to 90	Cyclonic Storm
28-10-2016/1730	15.4/81.5	60-70 gusting to 80	Cyclonic Storm
29-10-2016/0530	15.0/80.7	50-60 gusting to 70	Deep Depression

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.

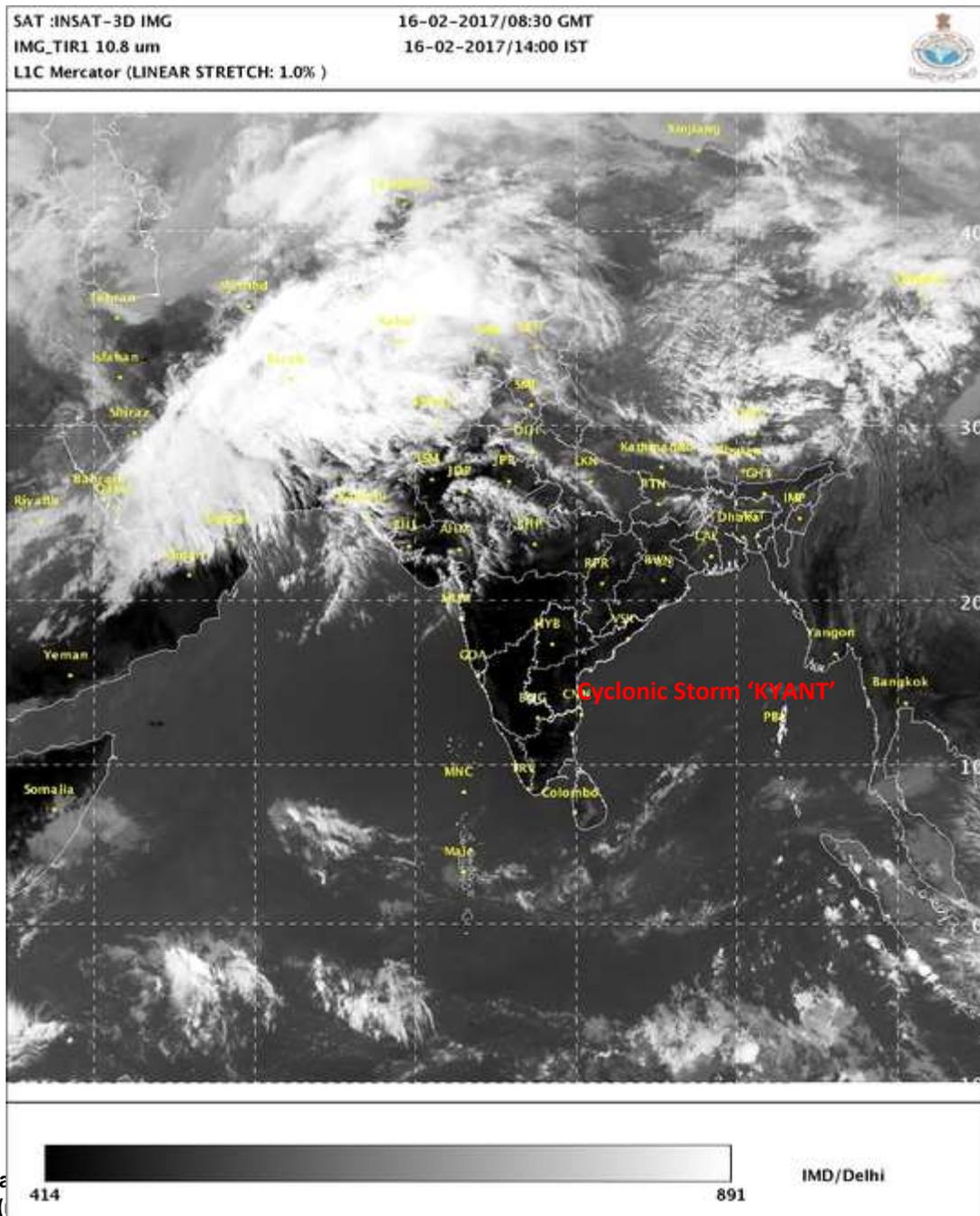
Warning:

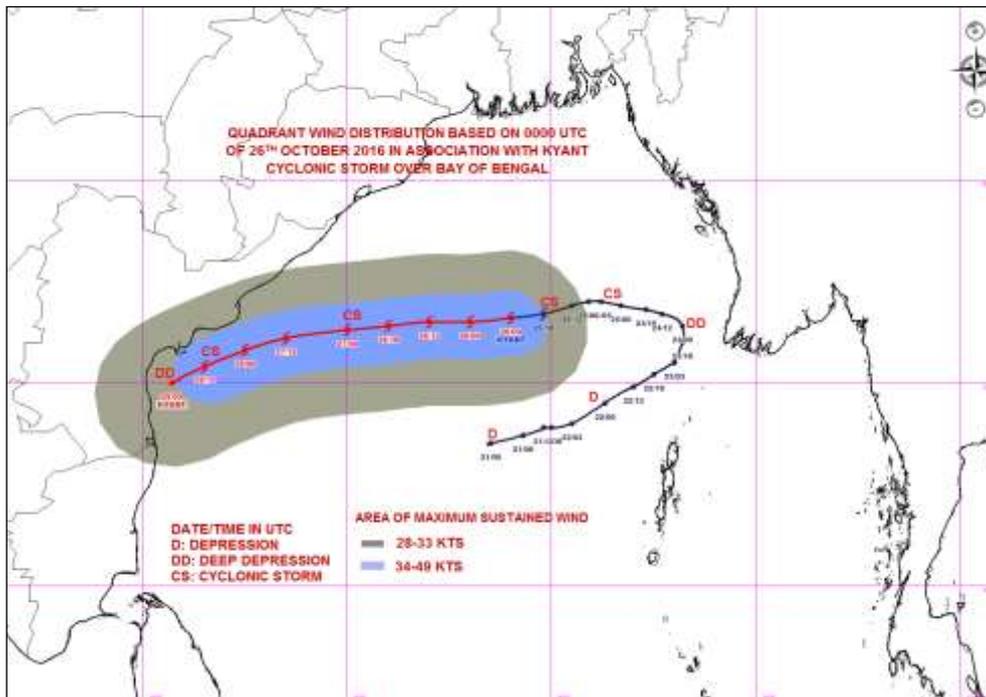
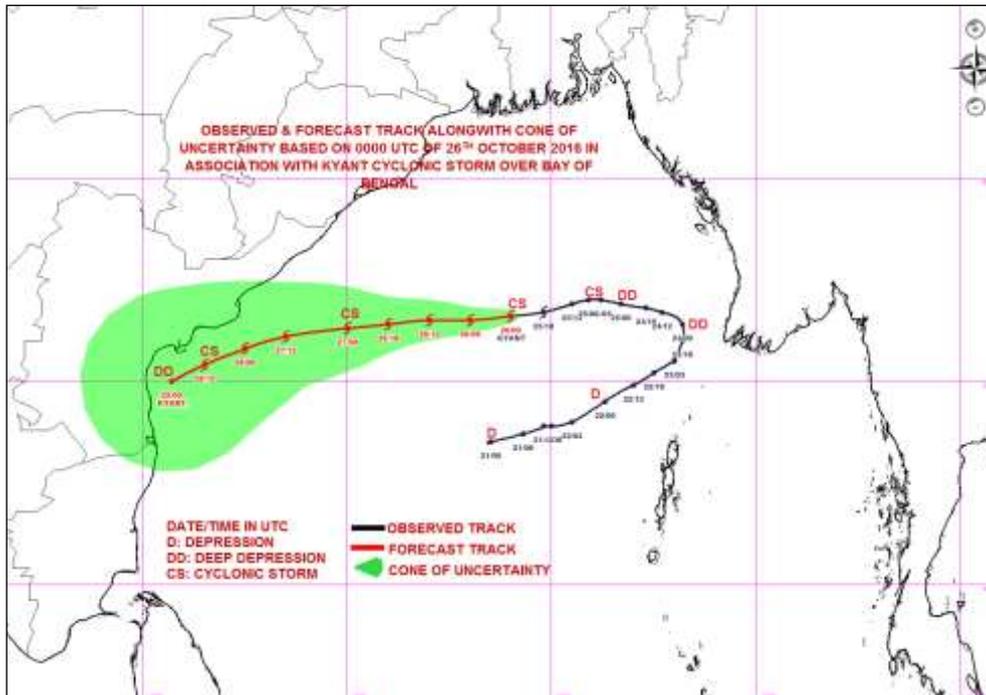
- (xci) **Wind:** Squally winds speed reaching 45-55 kmph gusting to 65 kmph is very likely to prevail along & off south Odisha on 27th and along & off Andhra Pradesh coasts from 27th to 30th October 2016.
- (xcii) **Sea condition:** Sea condition will be rough to very rough along & off south Odisha on 27th and along & off Andhra Pradesh coasts during 27th to 30th October 2016.
- (xciii) **Fishermen Warning:** Fishermen are advised not to venture into sea along & off south Odisha and Andhra Pradesh coasts from 27th October onwards.

The next bulletin will be issued at 1130 hrs IST of today, the 26th October 2016.

(D. R. Pattanaik)
Scientist-E
IMD, NEW DELHI

Copy to: DFDD, Pune/ACWC Kolkata /ACWC Chennai/CWC Vishakhapatnam/CWC Bhubaneswar/MC Hyderabad.





Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Bulletin No.: 30 (BOB 03/2016)

Time of issue: 1130 hours IST

Dated: 26.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
CONTROL ROOM NDMA (FAX.NO. 26701729)
CABINET SECRETARIAT (FAX.NO.23793144)
PS TO HON'BLE MINISTER FOR S & T 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)
UNI (FAX NO. 23355841)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)
CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)
CHIEF SECRETARY, GOVT. OF ANDHRA PRADESH (FAX NO. 040-23453700)
CHIEF SECRETARY, GOVT.OF WEST BENGAL (033-22144328)
CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX No. 03192-223331)

Sub: Cyclonic storm 'KYANT' over central Bay of Bengal

The cyclonic storm 'KYANT' over eastcentral Bay of Bengal moved further west-southwestwards in past 06 hours with speed 19 kmph and lay centred at 0830 hrs IST of 26th October, 2016 over central Bay of Bengal, near Latitude 16.6° N and Longitude 88.5° E, 480 km southeast of Gopalpur, 570 km east-southeast of Vishakhapatnam and 780 km east-northeast of Machilipatnam. The system is very likely to slightly intensify further during next 24 hours. It is most likely to move west-southwestwards towards westcentral Bay of Bengal during next 72 hours.

Forecast track and intensity of the system are given in the table below:

Date/time(IST)	Position (lat. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic Disturbance
26-10-2016/0830	16.6/88.5	70-80 gusting to 90	Cyclonic Storm
26-10-2016/1130	16.5/88.0	70-80 gusting to 90	Cyclonic Storm
26-10-2016/1730	16.5/87.0	70-80 gusting to 90	Cyclonic Storm
26-10-2016/2330	16.4/86.0	80-90 gusting to 100	Cyclonic Storm
27-10-2016/0530	16.3/85.0	80-90 gusting to 100	Cyclonic Storm
27-10-2016/1730	16.1/83.5	80-90 gusting to 100	Cyclonic Storm
28-10-2016/0530	15.8/82.5	70-80 gusting to 90	Cyclonic Storm
28-10-2016/1730	15.4/81.5	60-70 gusting to 80	Cyclonic Storm
29-10-2016/0530	15.0/80.7	50-60 gusting to 70	Deep Depression

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.

Warning:

- (xciv) **Wind:** Squally winds speed reaching 45-55 kmph gusting to 65 kmph is very likely to prevail along & off south Odisha on 27th and along & off Andhra Pradesh coasts from 27th to 30th October 2016.
- (xcv) **Sea condition:** Sea condition will be rough to very rough along & off south Odisha on 27th and along & off Andhra Pradesh coasts during 27th to 30th October 2016.
- (xcvi) **Fishermen Warning:** Fishermen are advised not to venture into sea along & off south Odisha and Andhra Pradesh coasts from 27th October onwards.
- (xcvii) **Rainfall:**
 - Light to moderate rainfall at many places very likely to occur over south Odisha & north coastal Andhra Pradesh on 27th & 28th October 2016.
 - Light to moderate rainfall at many places with heavy rainfall at isolated places very likely over south coastal Andhra Pradesh on 28th to 30th October 2016 and over north coastal Tamilnadu on 29th to 31st October 2016.

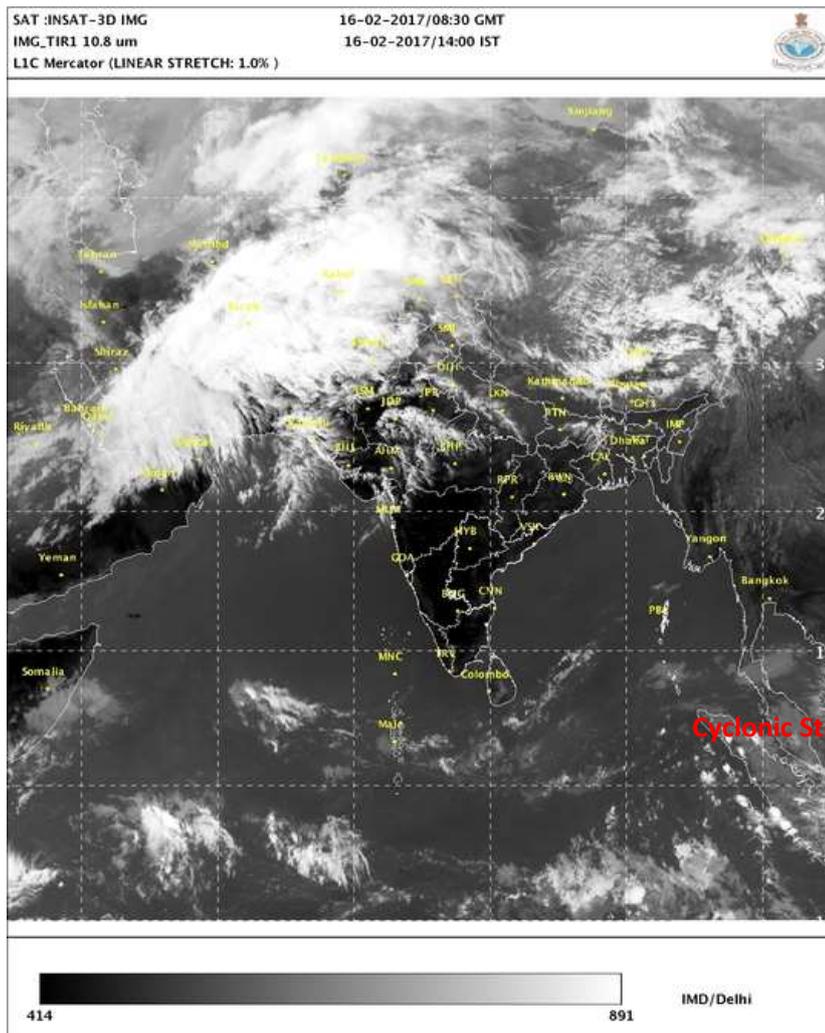
The next bulletin will be issued at 1430 hrs IST of today, the 26th October 2016.

(Naresh Kumar)
Scientist-D
RSMC, New Delhi

Copy to: DFDD, Pune/ACWC Kolkata /ACWC Chennai/CWC Vishakhapatnam/CWC

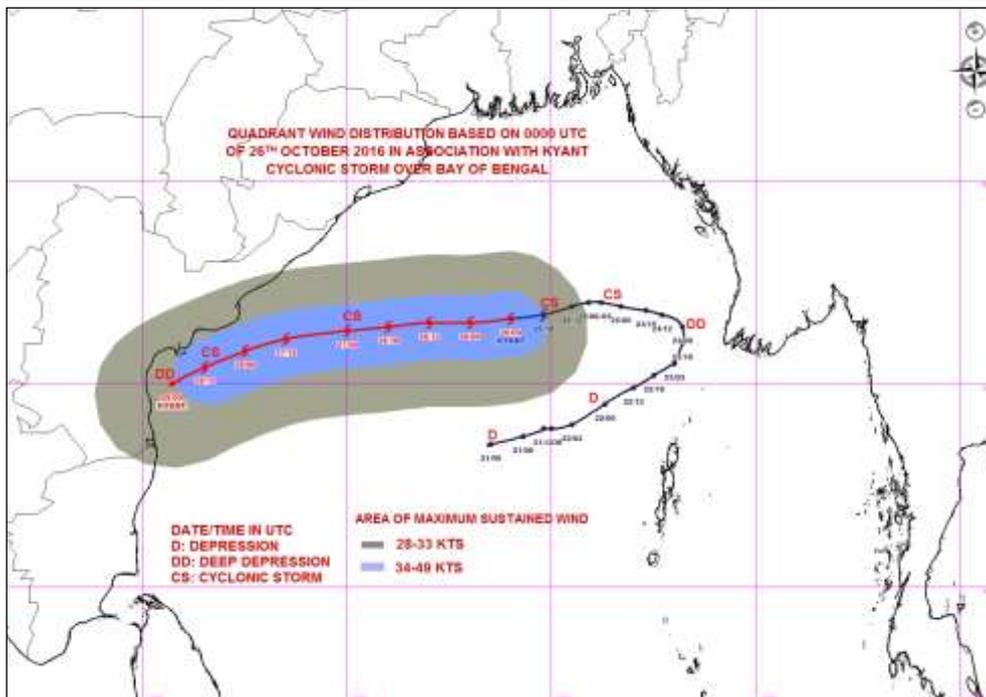
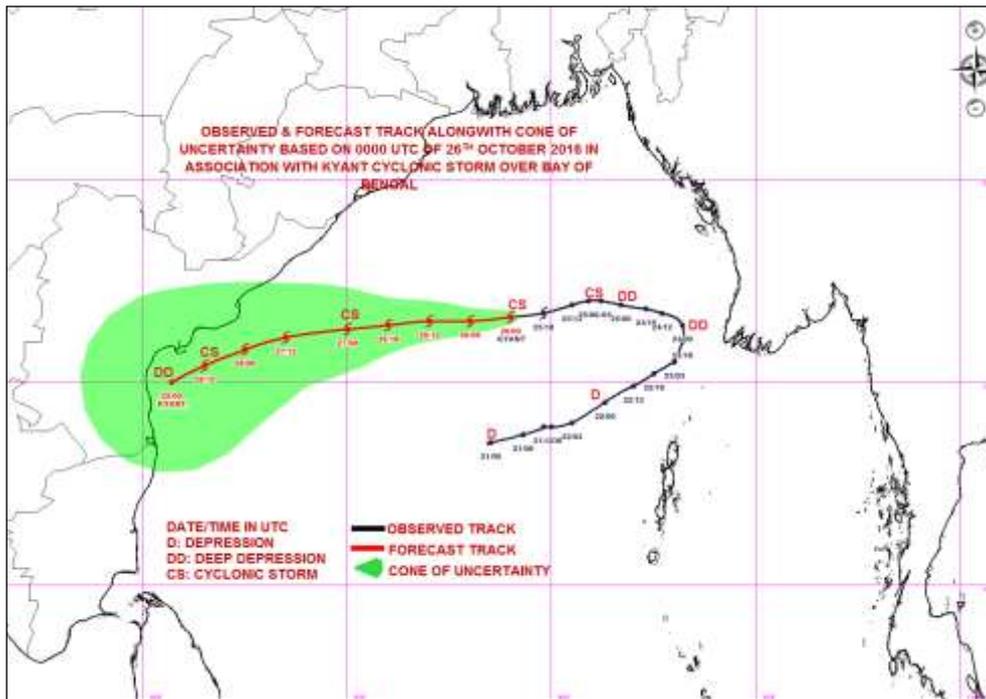
Bhubaneswar/MC

Hyderabad.



Cyclonic Storm 'KYANT'

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Bulletin No.: 31 (BOB 03/2016)

Time of issue: 1400 hours IST

Dated: 26.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

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

CONTROL ROOM NDMA (FAX.NO. 26701729)

CABINET SECRETARIAT (FAX.NO.23793144)

PS TO HON'BLE MINISTER FOR S & T 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)

UNI (FAX NO. 23355841)

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

CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)

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

CHIEF SECRETARY, GOVT. OF TELENGANA (040-23453700)

CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX No. 03192-223331)

Sub: Cyclonic storm 'KYANT' over central Bay of Bengal

The cyclonic storm 'KYANT' over eastcentral Bay of Bengal moved further west-southwestwards in past 06 hours with speed 18 kmph and lay centred at 1130 hrs IST of 26th October, 2016 over central Bay of Bengal, near Latitude 16.5° N and Longitude 88.0° E, 450 km southeast of Gopalpur, 520 km east-southeast of Vishakhapatnam and 730 km east-northeast of Machilipatnam. It is most likely to move west-southwestwards towards westcentral Bay of Bengal during next 72 hours.

Forecast track and intensity of the system are given in the table below:

Date/time(IST)	Position (lat. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic Disturbance
26-10-2016/1130	16.5/88.0	70-80 gusting to 90	Cyclonic Storm
26-10-2016/1730	16.4/87.0	70-80 gusting to 90	Cyclonic Storm
26-10-2016/2330	16.3/86.0	70-80 gusting to 90	Cyclonic Storm
27-10-2016/0530	16.1/85.1	70-80 gusting to 90	Cyclonic Storm
27-10-2016/1130	15.9/84.2	70-80 gusting to 90	Cyclonic Storm
27-10-2016/2330	15.5/83.0	70-80 gusting to 90	Cyclonic Storm
28-10-2016/1130	15.0/82.0	60-70 gusting to 80	Cyclonic Storm
28-10-2016/2330	14.5/81.2	50-60 gusting to 70	Deep Depression
29-10-2016/1130	14.0/80.6	40-50 gusting to 60	Depression

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%

Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.

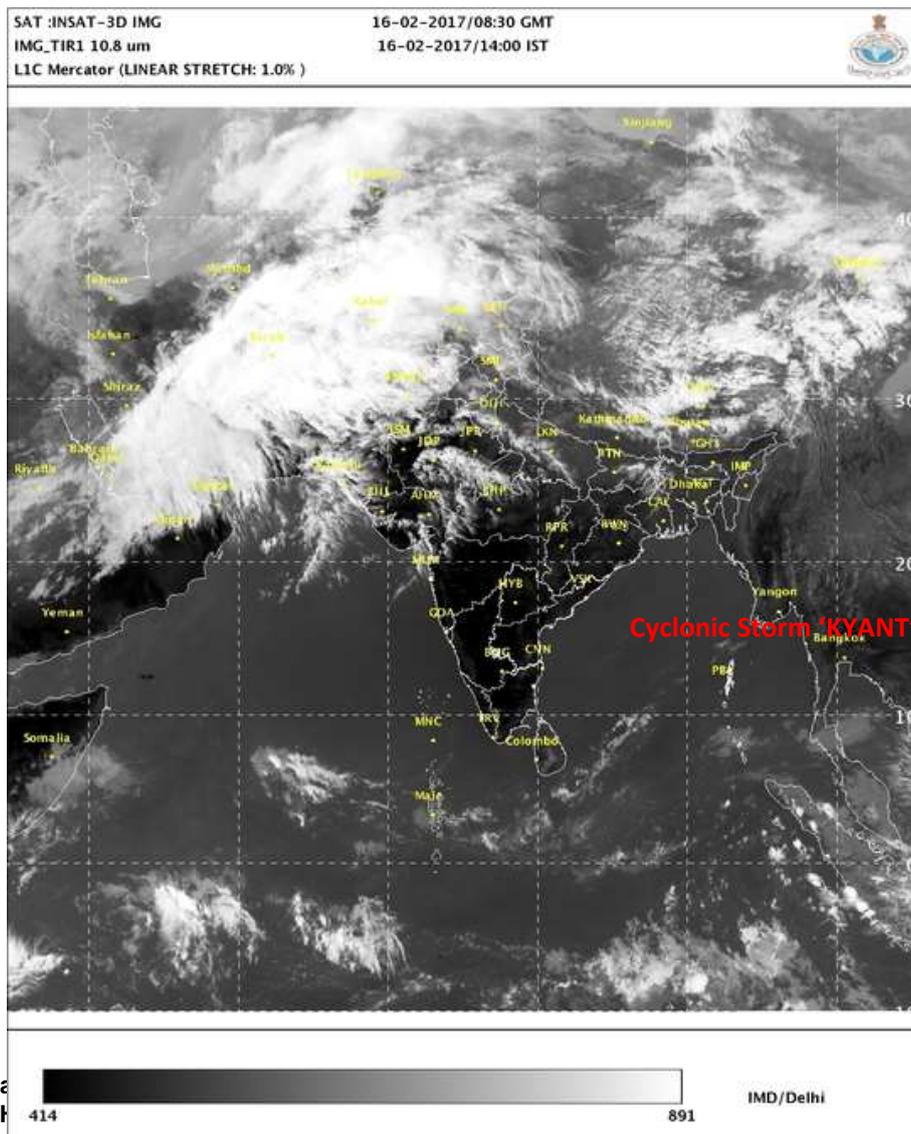
Warning:

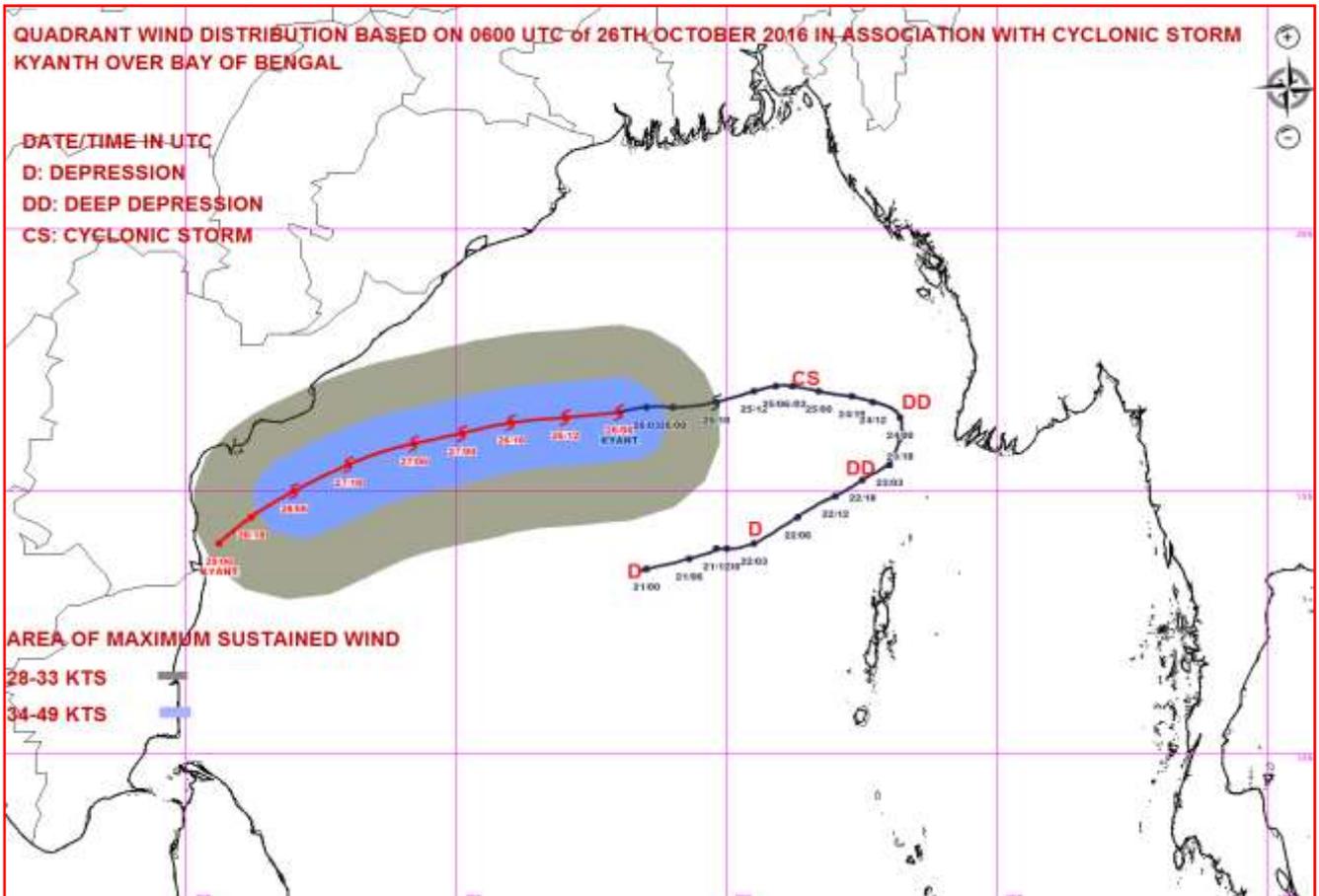
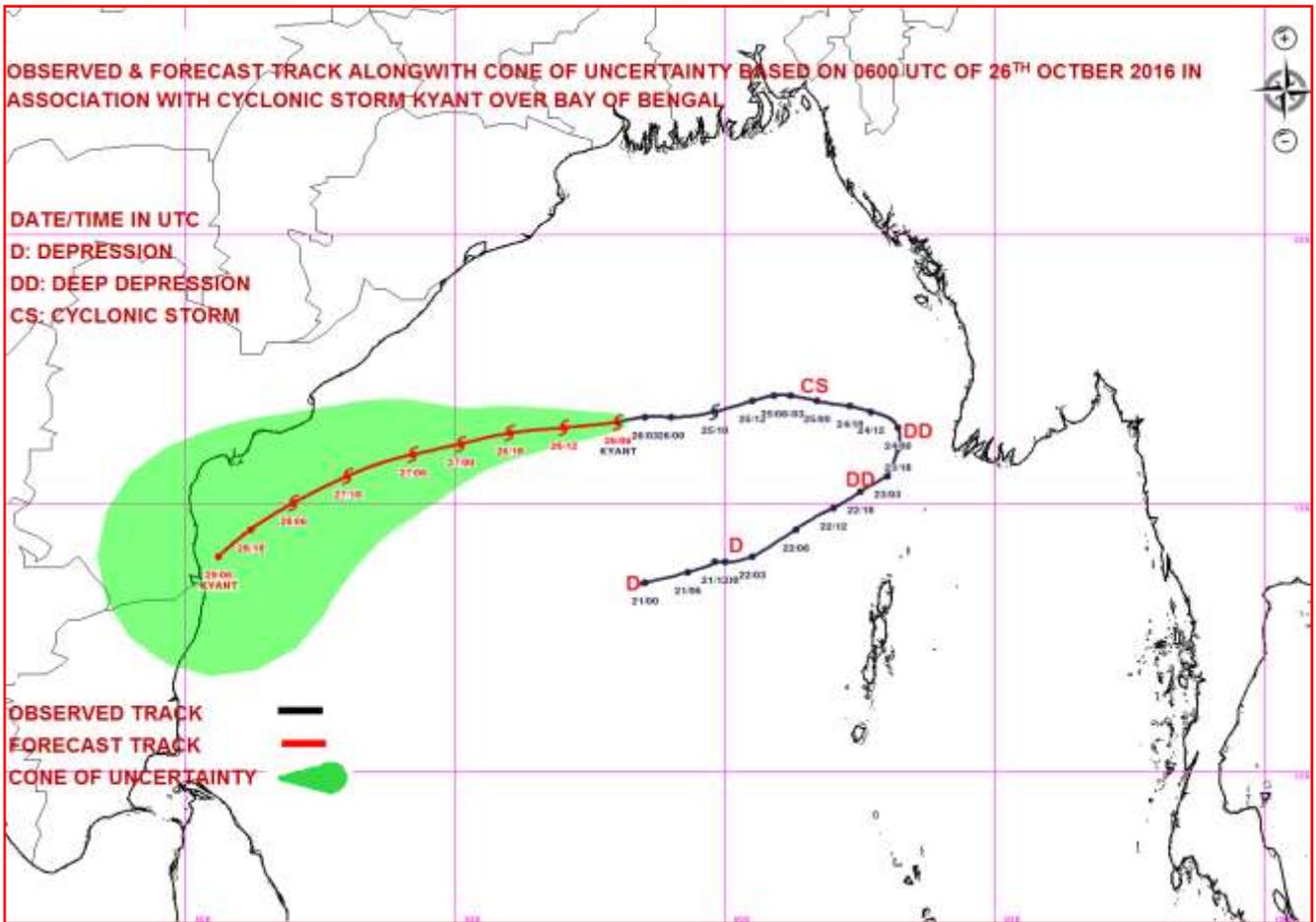
- (xcviii) Wind:** Squally winds speed reaching 45-55 kmph gusting to 65 kmph is very likely to prevail along & off south Odisha on 27th and along & off Andhra Pradesh coasts from 27th to 30th October 2016.
- (xcix) Sea condition:** Sea condition will be rough to very rough along & off south Odisha on 27th and along & off Andhra Pradesh coasts during 27th to 30th October 2016.
- (c) Fishermen Warning:** Fishermen are advised not to venture into sea along & off Andhra Pradesh coasts from 27th October onwards.
- (ci) Rainfall:**
 - Light to moderate rainfall at many places very likely to occur over south Odisha & north coastal Andhra Pradesh on 27th & 28th October 2016.
 - Light to moderate rainfall at many places with heavy rainfall at isolated places very likely over south coastal Andhra Pradesh on 28th to 30th October 2016 and over north coastal Tamilnadu on 29th to 31st October 2016.

The next bulletin will be issued at 1730 hrs IST of today, the 26th October 2016.

**(Naresh Kumar)
Scientist-D
RSMC, New Delhi**

Copy to: DFDD, Pune/ACWC Kolkata /ACWC Chennai/CWC Vishakhapatnam/CWC Bhubaneswar/MC Hyderabad.





Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
 Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Bulletin No.: 32 (BOB 03/2016)

Time of issue: 1700 hours IST

Dated: 26.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

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

CONTROL ROOM NDMA (FAX.NO. 26701729)

CABINET SECRETARIAT (FAX.NO.23793144)

PS TO HON'BLE MINISTER FOR S & T 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)

UNI (FAX NO. 23355841)

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

CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)

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

CHIEF SECRETARY, GOVT. OF TELENGANA (040-23453700)

CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX No. 03192-223331)

Sub: Cyclonic storm 'KYANT' over central Bay of Bengal

The cyclonic storm 'KYANT' over central Bay of Bengal moved further west-southwestwards in past 06 hours with speed 18 kmph and lay centred at 1430 hrs IST of 26th October, 2016 over central Bay of Bengal, near Latitude 16.4° N and Longitude 87.5° E, 420 km southeast of Gopalpur, 480 km east-southeast of Vishakhapatnam and 680 km east-northeast of Machilipatnam. It is most likely to move west-southwestwards towards westcentral Bay of Bengal during next 72 hours.

Forecast track and intensity of the system are given in the table below:

Date/time(IST)	Position (lat. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic Disturbance
26-10-2016/1430	16.4/87.5	70-80 gusting to 90	Cyclonic Storm
26-10-2016/1730	16.3/87.0	70-80 gusting to 90	Cyclonic Storm
26-10-2016/2330	16.2/86.0	70-80 gusting to 90	Cyclonic Storm
27-10-2016/0530	16.1/85.1	70-80 gusting to 90	Cyclonic Storm
27-10-2016/1130	15.9/84.2	70-80 gusting to 90	Cyclonic Storm
27-10-2016/2330	15.5/83.0	70-80 gusting to 90	Cyclonic Storm
28-10-2016/1130	15.0/82.0	60-70 gusting to 80	Cyclonic Storm
28-10-2016/2330	14.5/81.2	50-60 gusting to 70	Deep Depression
29-10-2016/1130	14.0/80.6	40-50 gusting to 60	Depression

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%

Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.

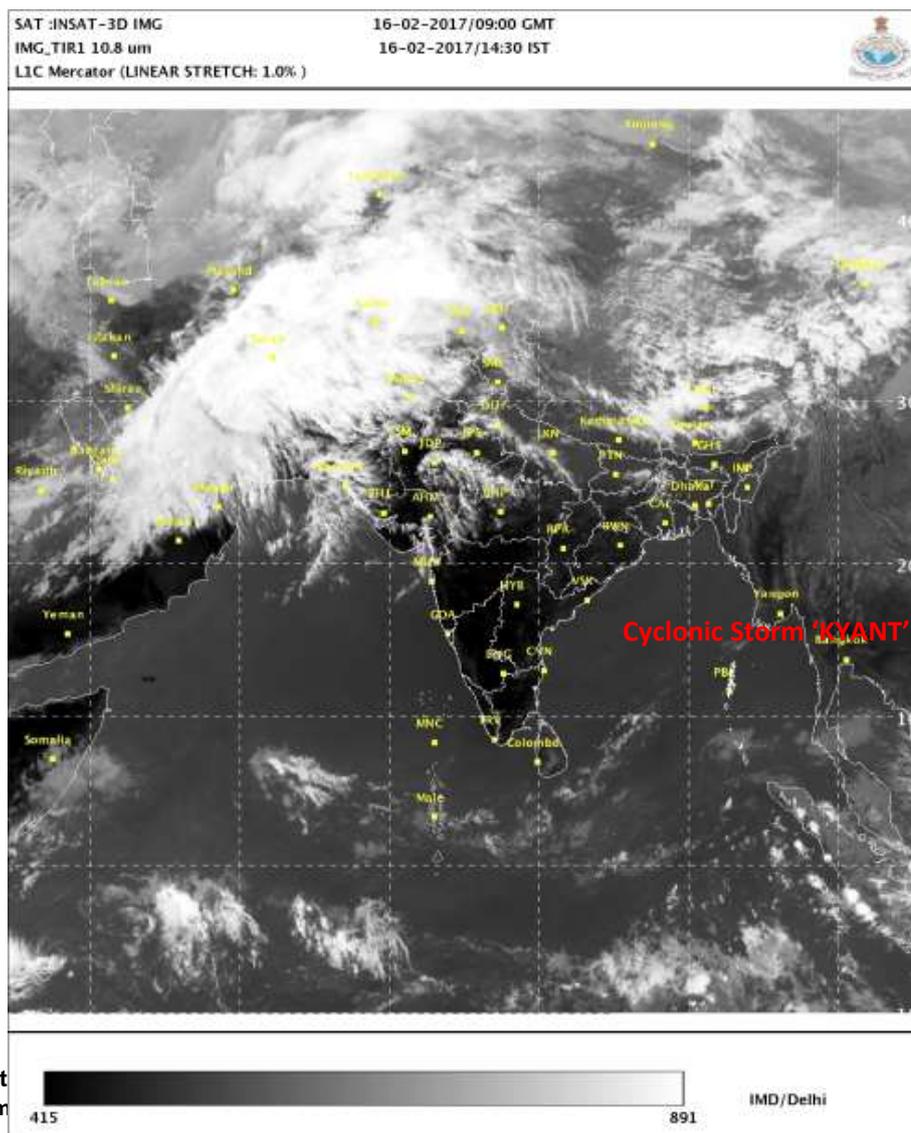
Warning:

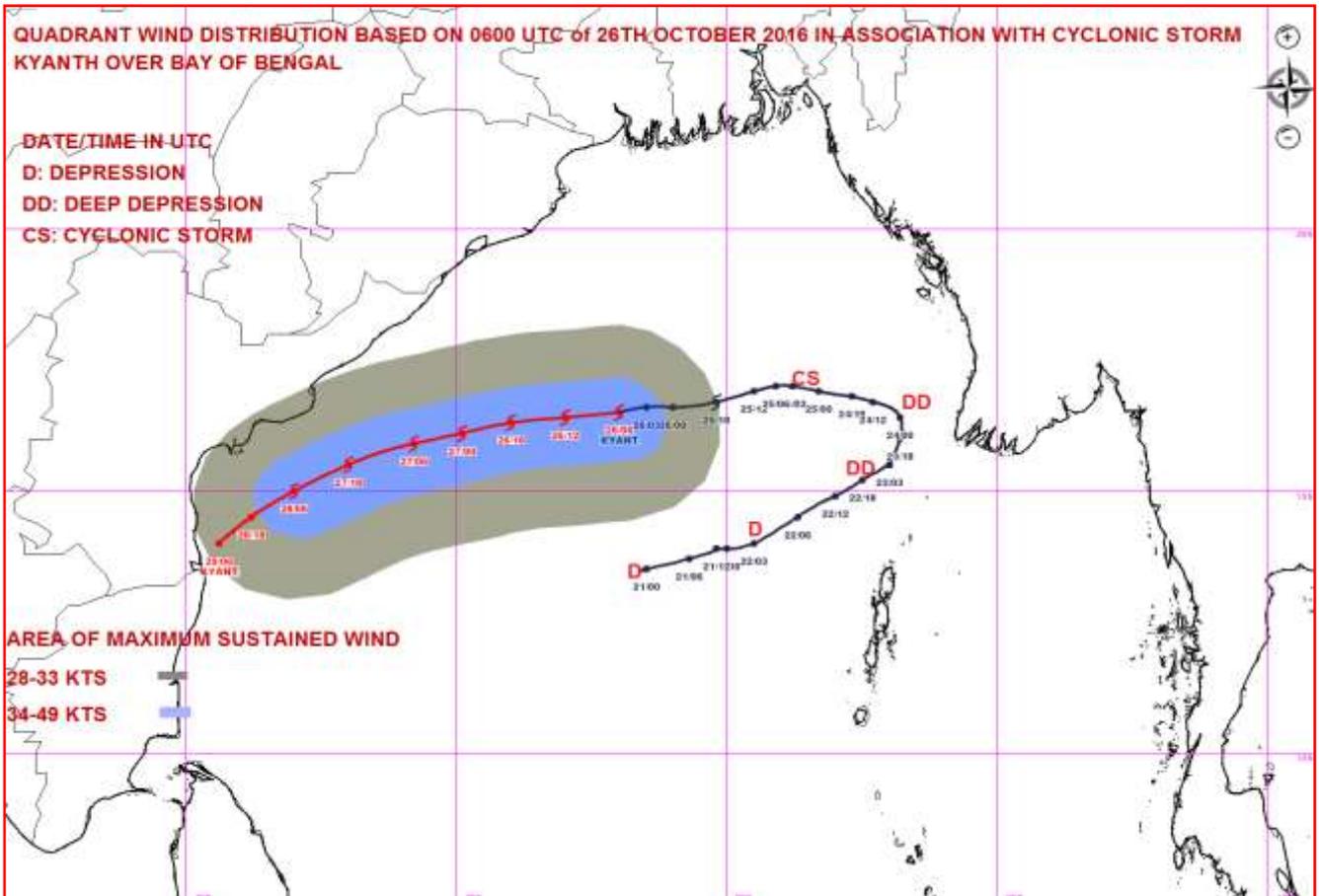
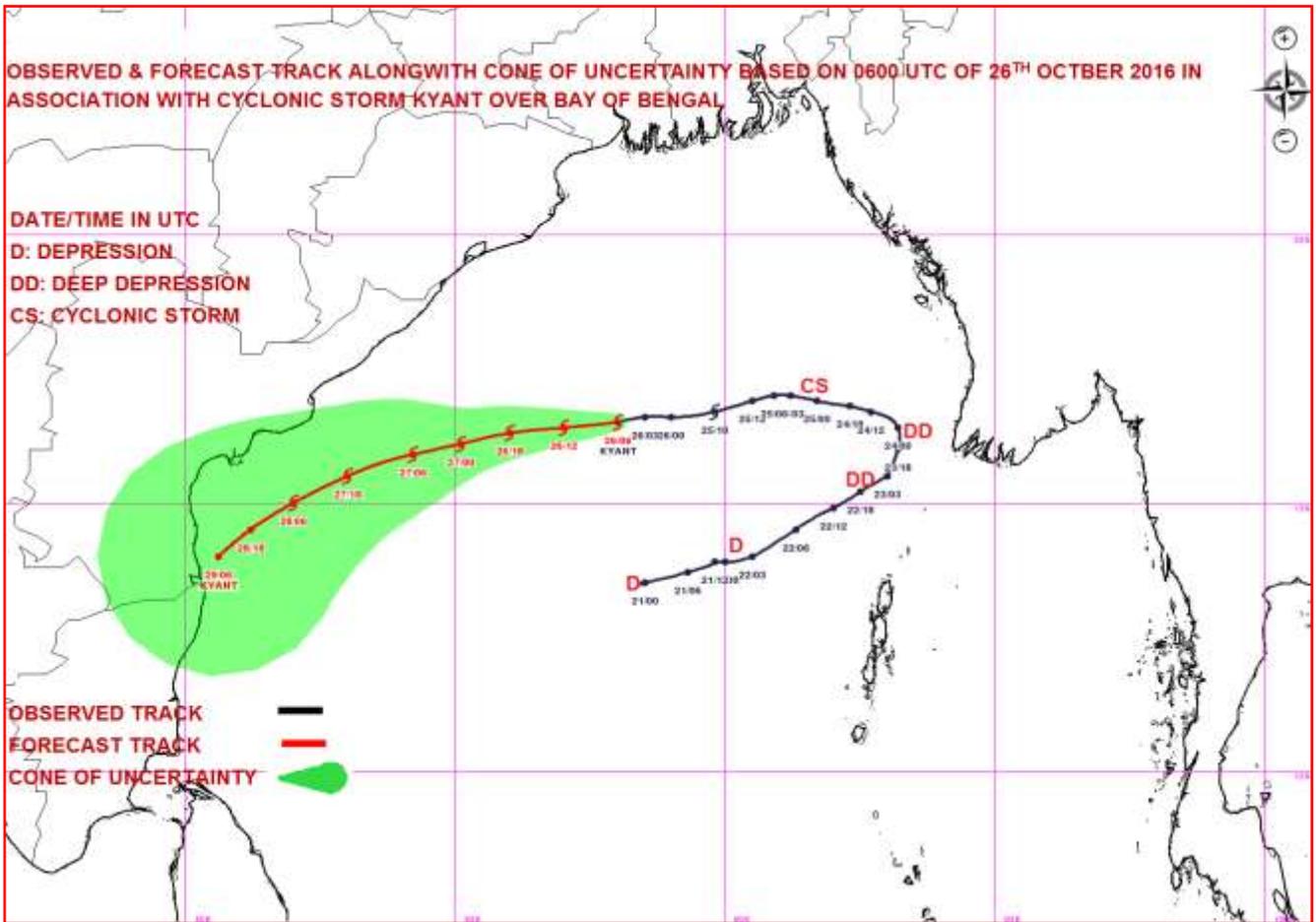
- (cii) **Wind:** Squally winds speed reaching 45-55 kmph gusting to 65 kmph is very likely to prevail along & off south Odisha on 27th and along & off Andhra Pradesh coasts from 27th to 30th October 2016.
- (ciii) **Sea condition:** Sea condition will be rough to very rough along & off south Odisha on 27th and along & off Andhra Pradesh coasts during 27th to 30th October 2016.
- (civ) **Fishermen Warning:** Fishermen are advised not to venture into sea along & off Andhra Pradesh coasts from 27th October onwards.
- (cv) **Rainfall:**
 - Light to moderate rainfall at many places very likely to occur over south Odisha & north coastal Andhra Pradesh on 27th & 28th October 2016.
 - Light to moderate rainfall at many places with heavy rainfall at isolated places very likely over south coastal Andhra Pradesh on 28th to 30th October 2016 and over north coastal Tamilnadu on 29th to 31st October 2016.

The next bulletin will be issued at 2030 hrs IST of today, the 26th October 2016.

(Naresh Kumar)
Scientist-D
RSMC, New Delhi

Copy to: DFDD, Pune/ACWC Kolkata /ACWC Chennai/CWC Vishakhapatnam/CWC Bhubaneswar/MC Hyderabad.





Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
 Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Bulletin No.: 33 (BOB 03/2016)

Time of issue: 2030 hours IST

Dated: 26.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

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

CONTROL ROOM NDMA (FAX.NO. 26701729)

CABINET SECRETARIAT (FAX.NO.23793144)

PS TO HON'BLE MINISTER FOR S & T 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)

UNI (FAX NO. 23355841)

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

CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)

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

CHIEF SECRETARY, GOVT. OF TELENGANA (040-23453700)

CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX No. 03192-223331)

Sub: Cyclonic storm 'KYANT' over westcentral Bay of Bengal

The cyclonic storm 'KYANT' over central Bay of Bengal moved further west-southwestwards in past 06 hours with speed 18 kmph and lay centred at 1730 hrs IST of 26th October, 2016 over westcentral Bay of Bengal, near Latitude 16.3° N and Longitude 87.0° E, about 400 km southeast of Gopalpur, 430 km east-southeast of Vishakhapatnam and 620 km east of Machilipatnam. It is most likely to move west-southwestwards towards westcentral Bay of Bengal during next 72 hours.

Forecast track and intensity of the system are given in the table below:

Date/time(IST)	Position (lat. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic Disturbance
26-10-2016/1730	16.3/87.0	70-80 gusting to 90	Cyclonic Storm
26-10-2016/2330	16.1/86.0	70-80 gusting to 90	Cyclonic Storm
27-10-2016/0530	15.9/85.1	70-80 gusting to 90	Cyclonic Storm
27-10-2016/1130	15.7/84.3	60-70 gusting to 80	Cyclonic Storm
27-10-2016/1730	15.5/83.6	60-70 gusting to 80	Cyclonic Storm
28-10-2016/0530	15.1/82.5	60-70 gusting to 80	Cyclonic Storm
28-10-2016/1730	14.7/81.6	50-60 gusting to 70	Deep Depression
29-10-2016/0530	14.3/80.9	40-50 gusting to 60	Depression

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%

Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.

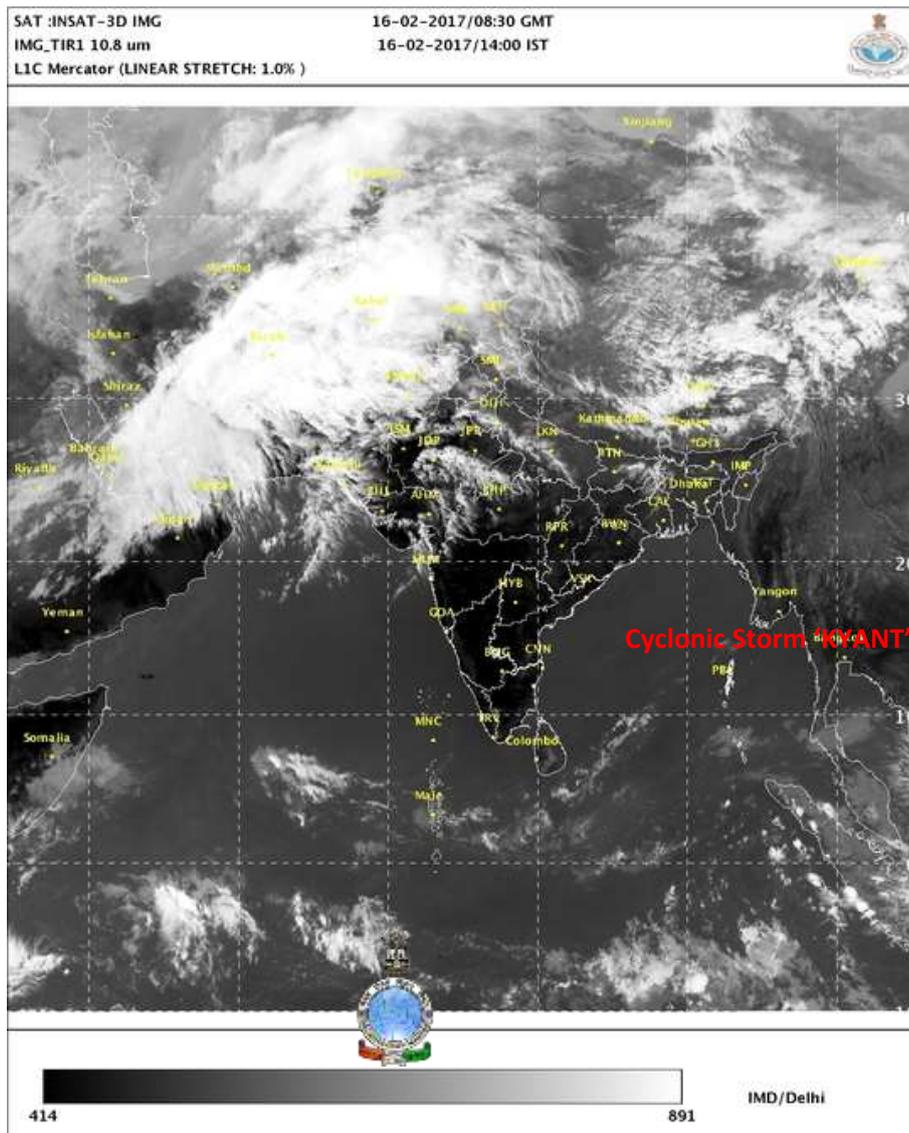
Warning:

- (cvi) **Wind:** Squally winds speed reaching 45-55 kmph gusting to 65 kmph is very likely to prevail along & off south Odisha on 27th and along & off Andhra Pradesh coasts from 27th to 30th October 2016.
- (cvii) **Sea condition:** Sea condition will be rough to very rough along & off south Odisha on 27th and along & off Andhra Pradesh coasts during 27th to 30th October 2016.
- (cviii) **Fishermen Warning:** Fishermen are advised not to venture into sea along & off Andhra Pradesh coasts from 27th October onwards.
- (cix) **Rainfall:**
 - Light to moderate rainfall at many places very likely to occur over south Odisha & north coastal Andhra Pradesh on 27th & 28th October 2016.
 - Light to moderate rainfall at many places with heavy rainfall at isolated places very likely over south coastal Andhra Pradesh on 28th to 30th October 2016 and over north coastal Tamilnadu on 29th to 31st October 2016.

The next bulletin will be issued at 2330 hrs IST of today, the 26th October 2016.

(Naresh Kumar)
Scientist-D
RSMC, New Delhi

Copy to: DFDD, Pune/ACWC Kolkata /ACWC Chennai/CWC Vishakhapatnam/CWC Bhubaneswar/MC Hyderabad.



Spatial rainrain distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.

**India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)**

Bulletin No.: 34 (BOB 03/2016)

Time of issue: 2200 hours IST

Dated: 26.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

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

CONTROL ROOM NDMA (FAX.NO. 26701729)

CABINET SECRETARIAT (FAX.NO.23793144)

PS TO HON'BLE MINISTER FOR S & T 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)

UNI (FAX NO. 23355841)

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

CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)

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

CHIEF SECRETARY, GOVT. OF TELENGANA (040-23453700)

CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX No. 03192-223331)

Sub: Cyclonic storm 'KYANT' over westcentral Bay of Bengal

The cyclonic storm 'KYANT' over westcentral Bay of Bengal moved further west-southwestwards in past 06 hours with speed 16 kmph and lay centred at 2030 hrs IST of 26th October, 2016 over westcentral Bay of Bengal, near Latitude 16.2° N and Longitude 86.6° E, about 380 km southeast of Gopalpur, 390 km east-southeast of Vishakhapatnam and 580 km east of Machilipatnam. It is most likely to move west-southwestwards during next 48 hours. It will weaken into a deep depression during next 24 hours and further into a depression during subsequent 24 hours.

Forecast track and intensity of the system are given in the table below:

Date/time(IST)	Position (lat. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic Disturbance
26-10-2016/2030	16.2/86.6	65-75 gusting to 85	Cyclonic Storm
26-10-2016/2330	16.1/86.0	65-75 gusting to 85	Cyclonic Storm
27-10-2016/0530	15.9/85.1	60-70 gusting to 80	Cyclonic Storm
27-10-2016/1130	15.7/84.3	55-65 gusting to 75	Deep Depression
27-10-2016/1730	15.5/83.6	50-60 gusting to 70	Deep Depression
28-10-2016/0530	15.1/82.5	45-55 gusting to 65	Depression
28-10-2016/1730	14.7/81.6	40-50 gusting to 60	Depression
29-10-2016/0530	14.3/80.9	35-45 gusting to 45	Depression

Warning:

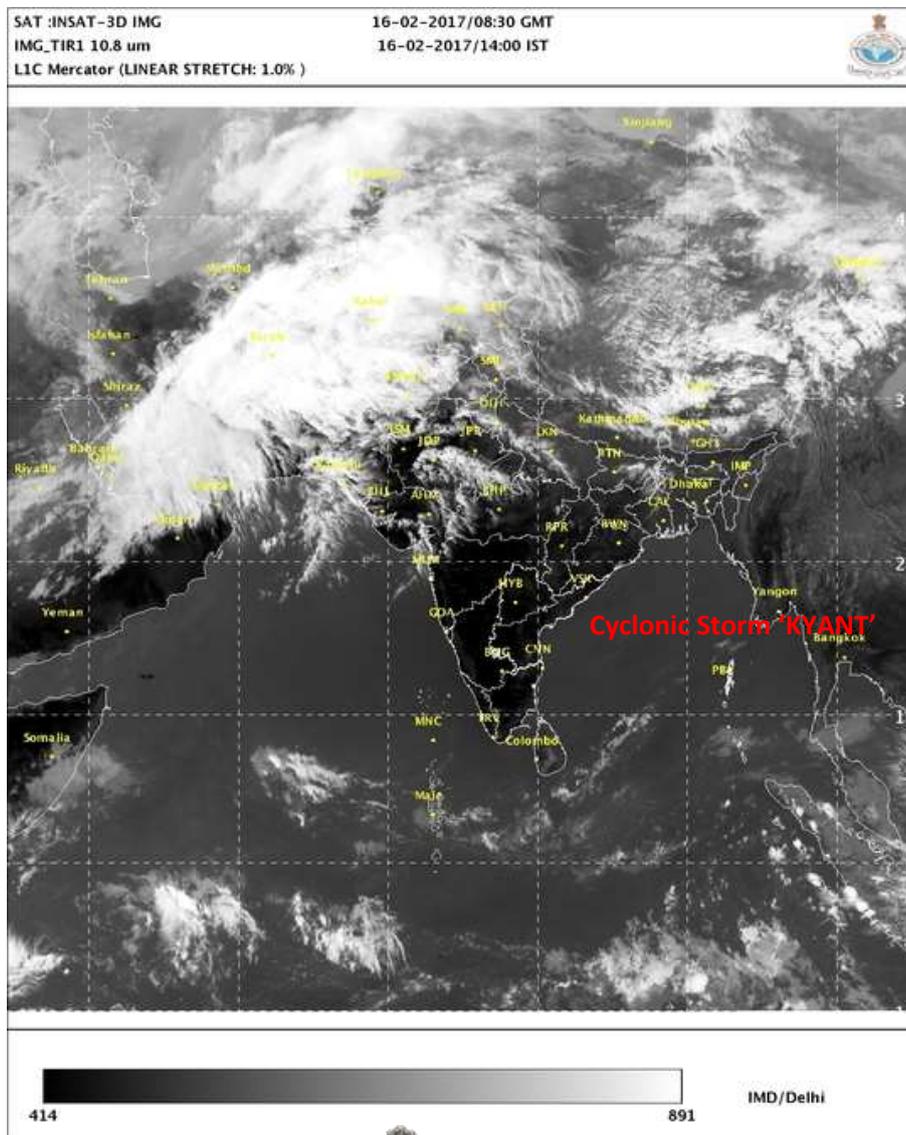
Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.

- (cx) **Wind:** Squally winds speed reaching 40-50 kmph gusting to 60 kmph is very likely to prevail along & off Andhra Pradesh coast from 27th to 29th October 2016.
- (cxi) **Sea condition:** Sea condition will be rough to very rough along & off Andhra Pradesh coast during 27th to 29th October 2016.
- (cxii) **Fishermen Warning:** Fishermen are advised not to venture into sea along & off Andhra Pradesh coasts from 27th & 28th October.
- (cxiii) **Rainfall:**
 - Light to moderate rainfall at many places very likely to occur over south Odisha & north coastal Andhra Pradesh on 27th & 28th October 2016.
 - Light to moderate rainfall at many places with heavy rainfall at isolated places very likely over south coastal Andhra Pradesh on 28th to 30th October 2016 and over north coastal Tamilnadu on 29th to 31st October 2016.

The next bulletin will be issued at 0230 hrs IST of tomorrow, the 27th October 2016.

(S. D. Kotal)
Scientist-E
IMD, New Delhi

Copy to: DFDD, Pune/ACWC Kolkata /ACWC Chennai/CWC Vishakhapatnam/CWC Bhubaneswar/MC Hyderabad.



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Spatial rainfall distri
Rainfall amount (mm): Heavy rain:

-75%, Most: 76-100%
emely heavy rain: 244.5 or more.

Bulletin No.: 35 (BOB 03/2016)

Time of issue: 0200 hours IST

Dated: 27.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

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

CONTROL ROOM NDMA (FAX.NO. 26701729)

CABINET SECRETARIAT (FAX.NO.23793144)

PS TO HON'BLE MINISTER FOR S & T 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)

UNI (FAX NO. 23355841)

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

CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)

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

CHIEF SECRETARY, GOVT. OF TELENGANA (040-23453700)

CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX No. 03192-223331)

Sub: Cyclonic storm 'KYANT' over westcentral Bay of Bengal

The cyclonic storm 'KYANT' over westcentral Bay of Bengal moved further west-southwestwards in past 06 hours with speed 11 kmph and lay centred at 2330 hrs IST of 26th October, 2016 over westcentral Bay of Bengal, near Latitude 16.1° N and Longitude 86.4° E, about 380 km south-southeast of Gopalpur, 380 km southeast of Vishakhapatnam and 560 km east of Machilipatnam. It is most likely to move west-southwestwards during next 24 hours and southwestwards thereafter. It will weaken into a deep depression during next 12 hours and further into a depression during subsequent 24 hours.

Forecast track and intensity of the system are given in the table below:

Date/time(IST)	Position (lat. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic Disturbance
26-10-2016/2330	16.1/86.4	60-70 gusting to 80	Cyclonic Storm
27-10-2016/0530	15.8/85.2	55-65 gusting to 75	Deep Depression
27-10-2016/1130	15.5/84.3	50-60 gusting to 70	Deep Depression
27-10-2016/1730	15.3/83.5	45-55 gusting to 65	Depression
28-10-2016/0530	14.9/82.5	40-50 gusting to 60	Depression
28-10-2016/1730	14.4/81.4	35-45 gusting to 55	Depression
29-10-2016/0530	14.0/80.7	35-45 gusting to 55	Depression

Warning:

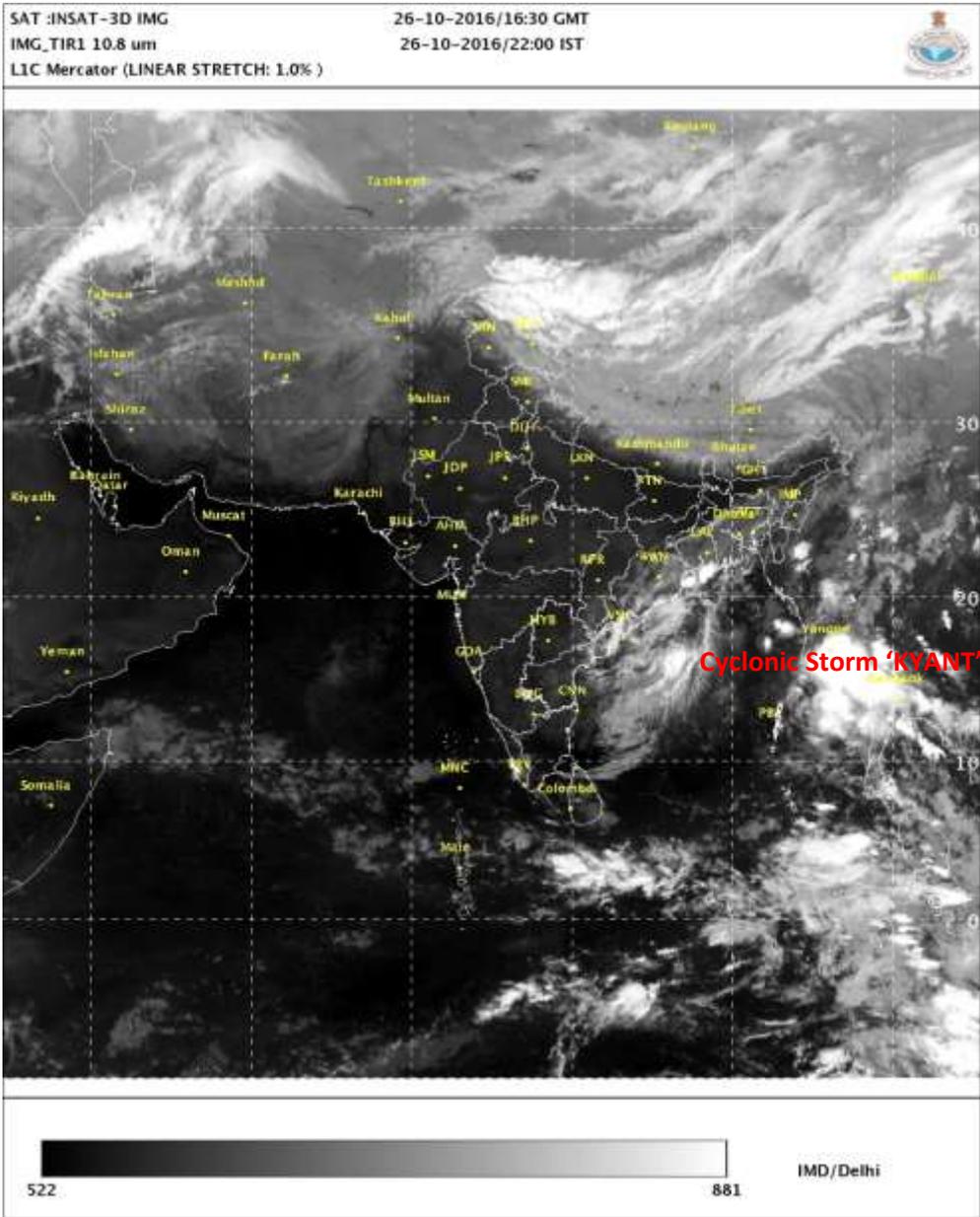
Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.

- (cxiv) **Wind:** Squally winds speed reaching 40-50 kmph gusting to 60 kmph is very likely to prevail along & off Andhra Pradesh coast from 27th to 29th October 2016.
- (cxv) **Sea condition:** Sea condition will be rough to very rough along & off Andhra Pradesh coast during 27th to 29th October 2016.
- (cxvi) **Fishermen Warning:** Fishermen are advised not to venture into sea along & off Andhra Pradesh coasts from 27th & 28th October.
- (cxvii) **Rainfall:**
- Light to moderate rainfall at many places very likely to occur over south Odisha & north coastal Andhra Pradesh on 27th & 28th October 2016.
 - Light to moderate rainfall at many places with heavy rainfall at isolated places very likely over south coastal Andhra Pradesh on 28th to 30th October 2016 and over north coastal Tamilnadu on 29th to 31st October 2016.

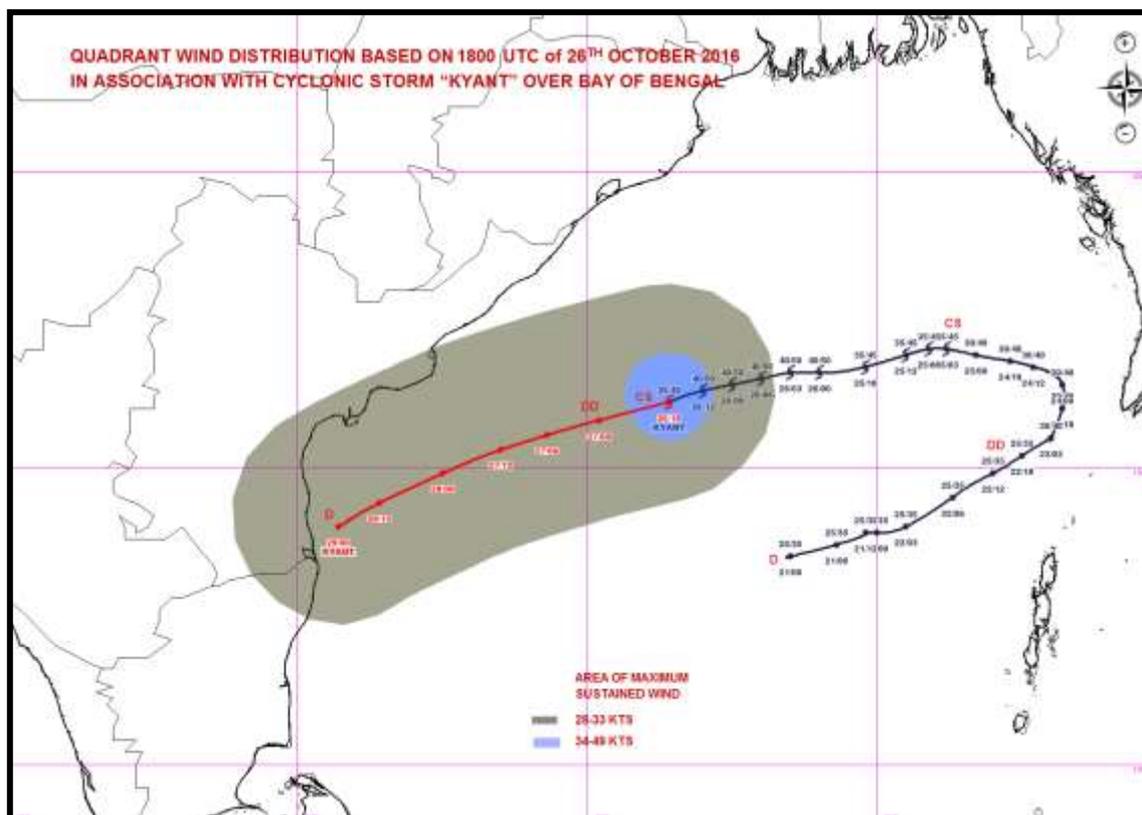
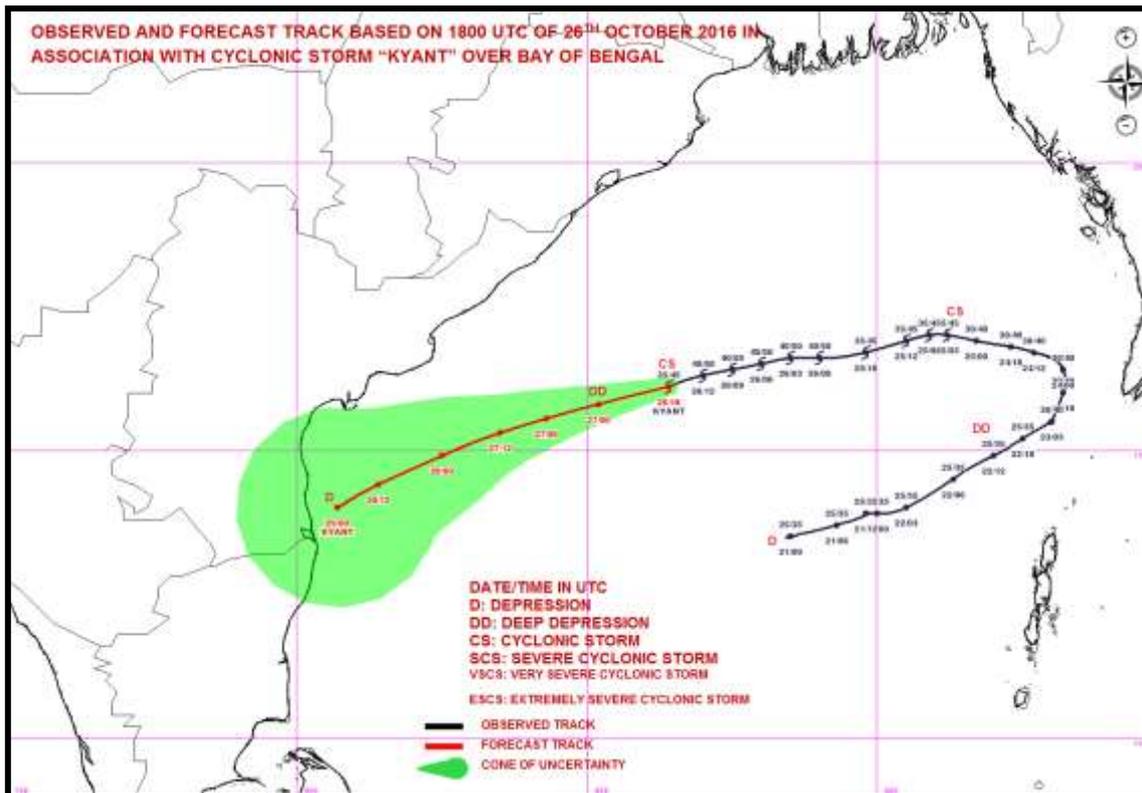
The next bulletin will be issued at 0530 hrs IST of tomorrow, the 27th October 2016.

(S. D. Kotal)
Scientist-E
IMD, New Delhi

*Copy to: DFDD, Pune/ACWC Kolkata /ACWC Chennai/CWC Vishakhapatnam/CWC
Bhubaneswar/MC Hyderabad.*



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Bulletin No.: 36 (BOB 03/2016)

Time of issue: 0630 hours IST

Dated: 27.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

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

CONTROL ROOM NDMA (FAX.NO. 26701729)

CABINET SECRETARIAT (FAX.NO.23793144)

PS TO HON'BLE MINISTER FOR S & T 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)

UNI (FAX NO. 23355841)

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

CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)

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

CHIEF SECRETARY, GOVT. OF TELENGANA (040-23453700)

CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX No. 03192-223331)

Sub: Cyclonic storm 'KYANT' over westcentral Bay of Bengal

The cyclonic storm 'KYANT' over westcentral Bay of Bengal weakened into Deep Depression. The system moved further west-south-westwards in past 06 hours with speed 12 kmph and lay centred at 0230 hrs IST of 27th October, 2016 over westcentral Bay of Bengal, near Latitude 15.9° N and Longitude 85.9° E, about 390 km south-southeast of Gopalpur, 340 km southeast of Vishakhapatnam and 500 km east of Machilipatnam. It is most likely to move west-southwestwards during next 24 hours. It will weaken further into a depression during next 12 hours.

Forecast track and intensity of the system are given in the table below:

Date/time(IST)	Position (lat. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic Disturbance
27-10-2016/0230	15.9/85.9	55-65 gusting to 75	Deep Depression
27-10-2016/0530	15.7/85.3	50-60 gusting to 70	Deep Depression
27-10-2016/1130	15.3/84.4	50-60 gusting to 70	Deep Depression
27-10-2016/1730	15.0/83.6	45-55 gusting to 65	Depression
27-10-2016/2330	14.7/82.8	40-50 gusting to 60	Depression
28-10-2016/0530	14.4/81.8	25-35 gusting to 45	Low

Warning:

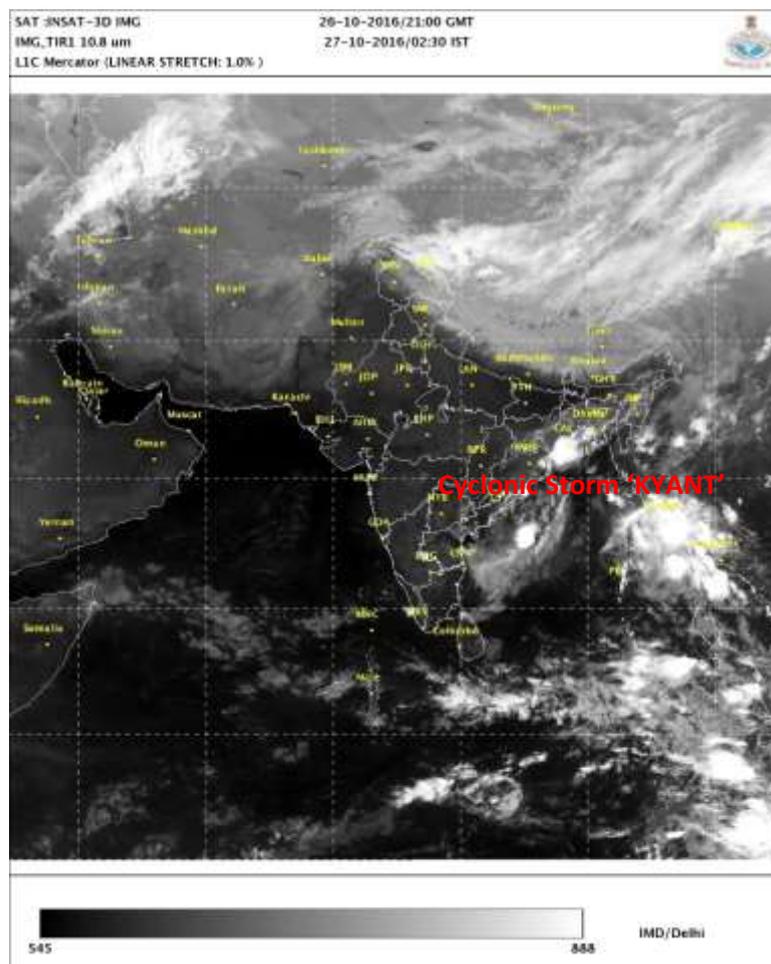
Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.

- (cxviii) **Wind:** Squally winds speed reaching 40-50 kmph gusting to 60 kmph is very likely to prevail along & off Andhra Pradesh coast from 27th to 29th October 2016.
- (cxix) **Sea condition:** Sea condition will be rough to very rough along & off Andhra Pradesh coast during 27th to 29th October 2016.
- (cxx) **Fishermen Warning:** Fishermen are advised not to venture into sea along & off Andhra Pradesh coasts from 27th & 28th October.
- (cxxi) **Rainfall:**
- Light to moderate rainfall at many places very likely to occur over south Odisha & north coastal Andhra Pradesh on 27th & 28th October 2016.
 - Light to moderate rainfall at many places with heavy rainfall at isolated places very likely over south coastal Andhra Pradesh on 28th to 30th October 2016 and over north coastal Tamilnadu on 29th to 31st October 2016.

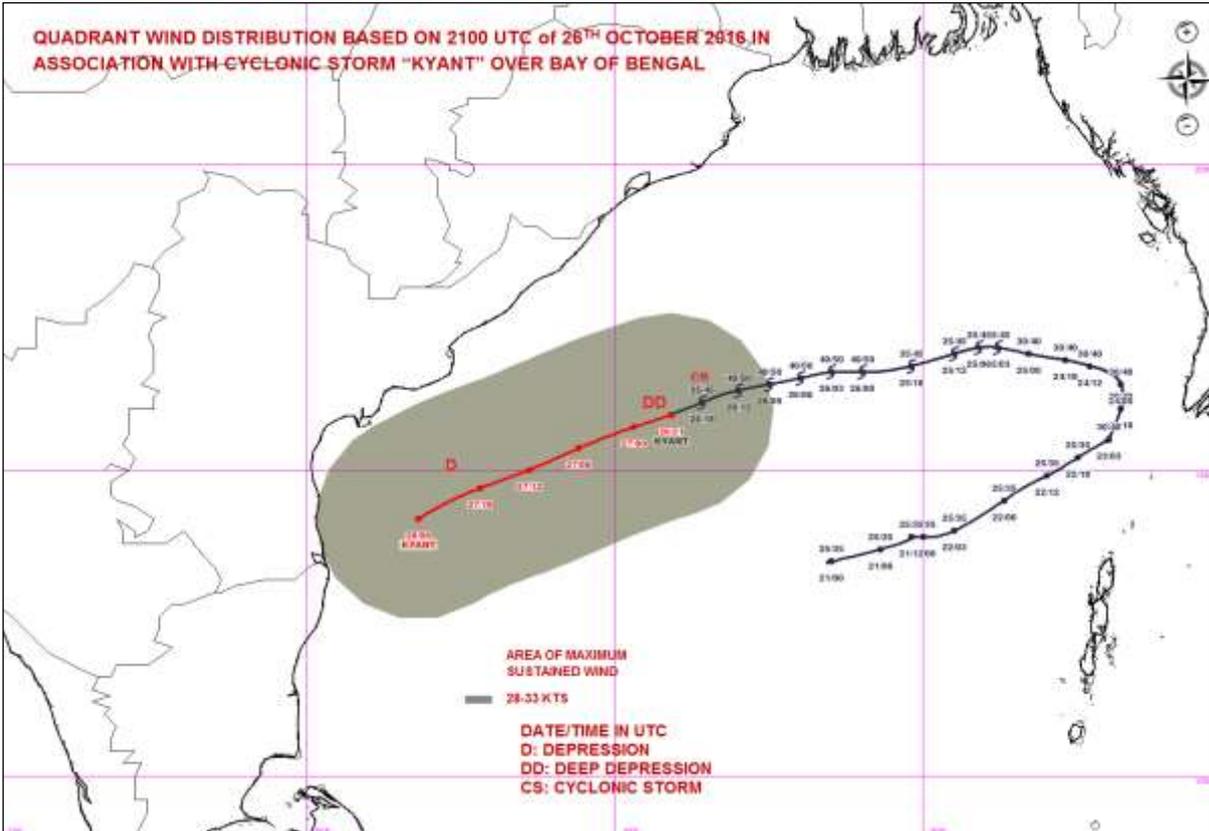
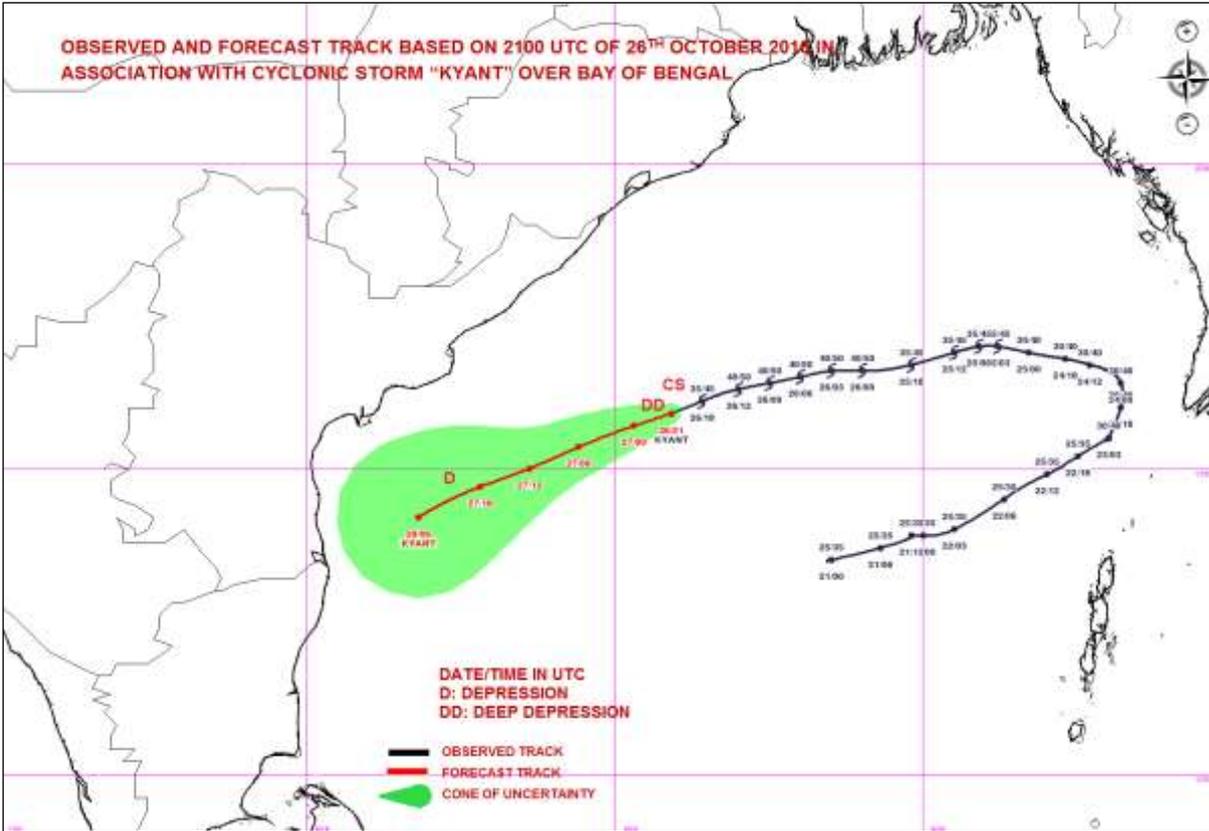
The next bulletin will be issued at 0830 hrs IST of tomorrow, the 27th October 2016.

(S. D. Kotal)
Scientist-E
IMD, New Delhi

Copy to: DFDD, Pune/ACWC Kolkata /ACWC Chennai/CWC Vishakhapatnam/CWC
Bhubaneswar/MC Hyderabad.



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Bulletin No.: 37 (BOB 03/2016)

Time of issue: 0830 hours IST

Dated: 27.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

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

CONTROL ROOM NDMA (FAX.NO. 26701729)

CABINET SECRETARIAT (FAX.NO.23793144)

PS TO HON'BLE MINISTER FOR S & T 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)

UNI (FAX NO. 23355841)

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

CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)

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

CHIEF SECRETARY, GOVT. OF TELENGANA (040-23453700)

CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX No. 03192-223331)

Sub: Deep Depression over westcentral Bay of Bengal

The **Deep Depression** over westcentral Bay of Bengal moved further west-southwestwards in past 06 hours with speed 17 kmph and lay centred at 0530 hrs IST of 27th October, 2016 over westcentral Bay of Bengal, near Latitude 15.7° N and Longitude 85.5° E, about 320 km southeast of Vishakhapatnam and 460 km east of Machilipatnam and 600 km east-northeast of Nellore. It is most likely to move west-southwestwards and weaken further into a depression during next 24 hours.

Forecast track and intensity of the system are given in the table below:

Date/time(IST)	Position (lat. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic Disturbance
27-10-2016/0530	15.7/85.5	50-60 gusting to 70	Deep Depression
27-10-2016/1130	15.3/84.6	50-60 gusting to 70	Deep Depression
27-10-2016/1730	15.0/83.8	45-55 gusting to 65	Depression
27-10-2016/2330	14.7/83.0	35-45 gusting to 55	Depression
28-10-2016/0530	14.4/82.0	25-35 gusting to 45	Low

Warning:

(cxxii) Wind: Squally winds speed reaching 35-45 kmph gusting to 55 kmph is very likely to prevail along & off Andhra Pradesh coast during next 24 hours.

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.

(cxxiii) **Sea condition:** Sea condition will be rough along & off Andhra Pradesh coast during next 24 hours.

(cxxiv) **Fishermen Warning:** Fishermen are advised not to venture into sea along & off Andhra Pradesh coasts during next 48 hours.

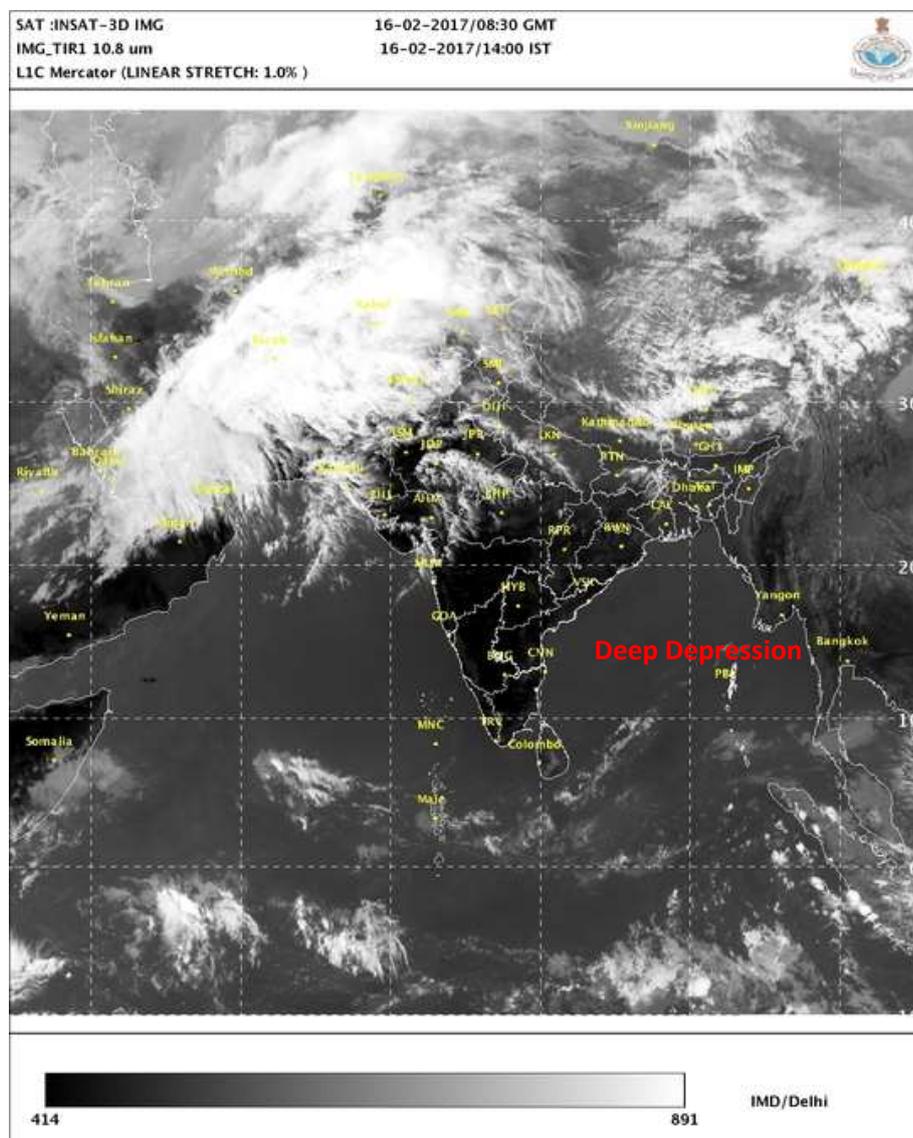
(cxxv) **Rainfall:**

- Light to moderate rainfall (1-4 cm) at many places is very likely to occur over north coastal Andhra Pradesh during next 48 hours.
- Light to moderate rainfall at many places with heavy rainfall (65mm or more) at isolated places very likely over south coastal Andhra Pradesh on 28th to 30th October 2016 and over north coastal Tamilnadu from 28th evening to 31st October 2016.

The next bulletin will be issued at 1130 hrs IST of today, the 27th October 2016.

(S. D. Kotal)
Scientist-E
IMD, New Delhi

Copy to: DFDD, Pune/ACWC Kolkata /ACWC Chennai/CWC Vishakhapatnam/CWC Bhubaneswar/MC Hyderabad.



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Bulletin No.: 38 (BOB 03/2016)

Time of issue: 1130 hours IST

Dated: 27.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

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

CONTROL ROOM NDMA (FAX.NO. 26701729)

CABINET SECRETARIAT (FAX.NO.23793144)

PS TO HON'BLE MINISTER FOR S & T 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)

UNI (FAX NO. 23355841)

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

CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)

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

CHIEF SECRETARY, GOVT. OF TELENGANA (040-23453700)

CHIEF SECRETARY, ANDAMAN & NICOBAR ISLANDS (FAX No. 03192-223331)

Sub: Deep Depression over westcentral Bay of Bengal

The **Deep Depression** over westcentral Bay of Bengal moved further west-southwestwards in past 06 hours with speed 18 kmph and lay centred at 0830 hrs IST of 27th October, 2016 over westcentral Bay of Bengal, near Latitude 15.5° N and Longitude 85.0° E, about 310 km southeast of Vishakhapatnam and 420 km east of Machilipatnam and 550 km east-northeast of Nellore. It is most likely to move west-southwestwards and weaken further into a depression during next 24 hours.

Forecast track and intensity of the system are given in the table below:

Date/time(IST)	Position (lat. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic Disturbance
27-10-2016/0830	15.5/85.0	50-60 gusting to 70	Deep Depression
27-10-2016/1130	15.3/84.6	50-60 gusting to 70	Deep Depression
27-10-2016/1730	15.0/83.8	45-55 gusting to 65	Depression
27-10-2016/2330	14.7/83.0	35-45 gusting to 55	Depression
28-10-2016/0530	14.4/82.2	25-35 gusting to 45	Low

Warning:

(cxxvi) Wind: Squally winds speed reaching 35-45 kmph gusting to 55 kmph is very likely to prevail along & off Andhra Pradesh coast during next 24 hours.

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.

(cxxvii) **Sea condition:** Sea condition will be rough along & off Andhra Pradesh coast during next 24 hours.

(cxxviii) **Fishermen Warning:** Fishermen are advised not to venture into sea along & off Andhra Pradesh coasts during next 24 hours.

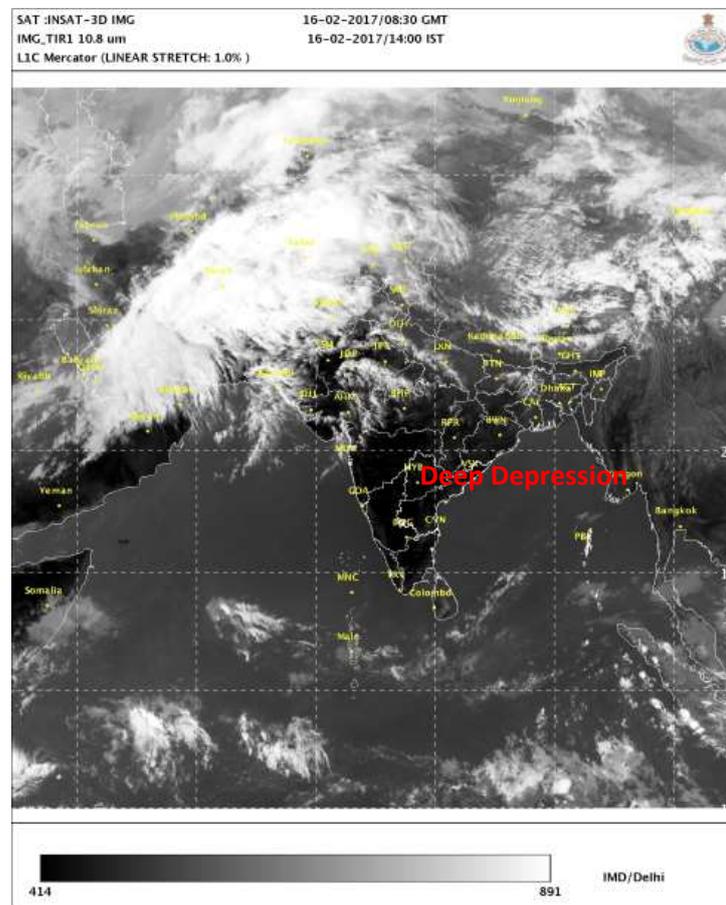
(cxxix) **Rainfall:**

- Light to moderate rainfall (1-4 cm) at many places is very likely to occur over north coastal Andhra Pradesh during next 48 hours.
- Light to moderate rainfall at many places with heavy rainfall (65mm or more) at isolated places very likely over south coastal Andhra Pradesh during 28th to 30th October 2016 and over north coastal Tamilnadu from 28th evening to 31st October 2016.

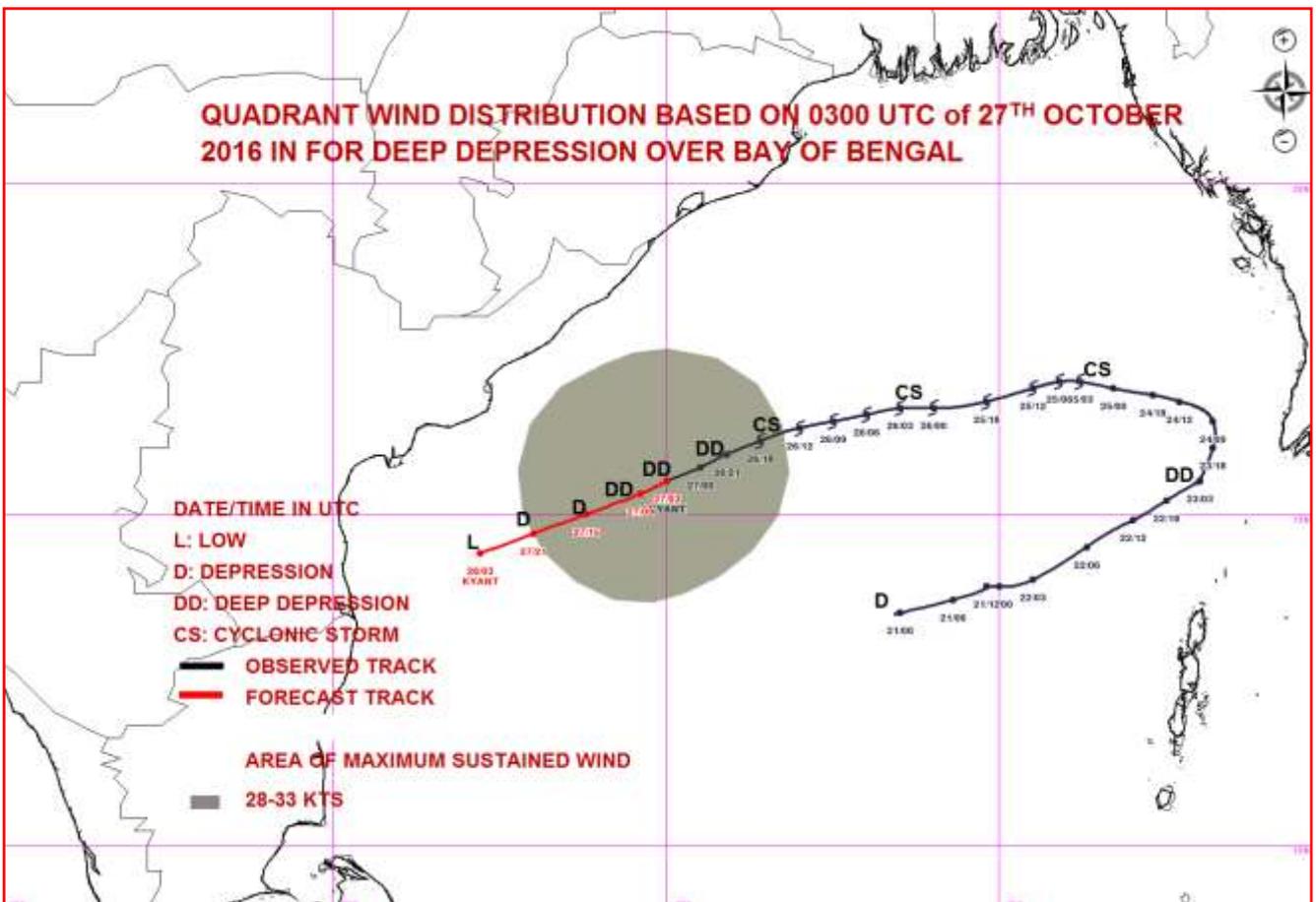
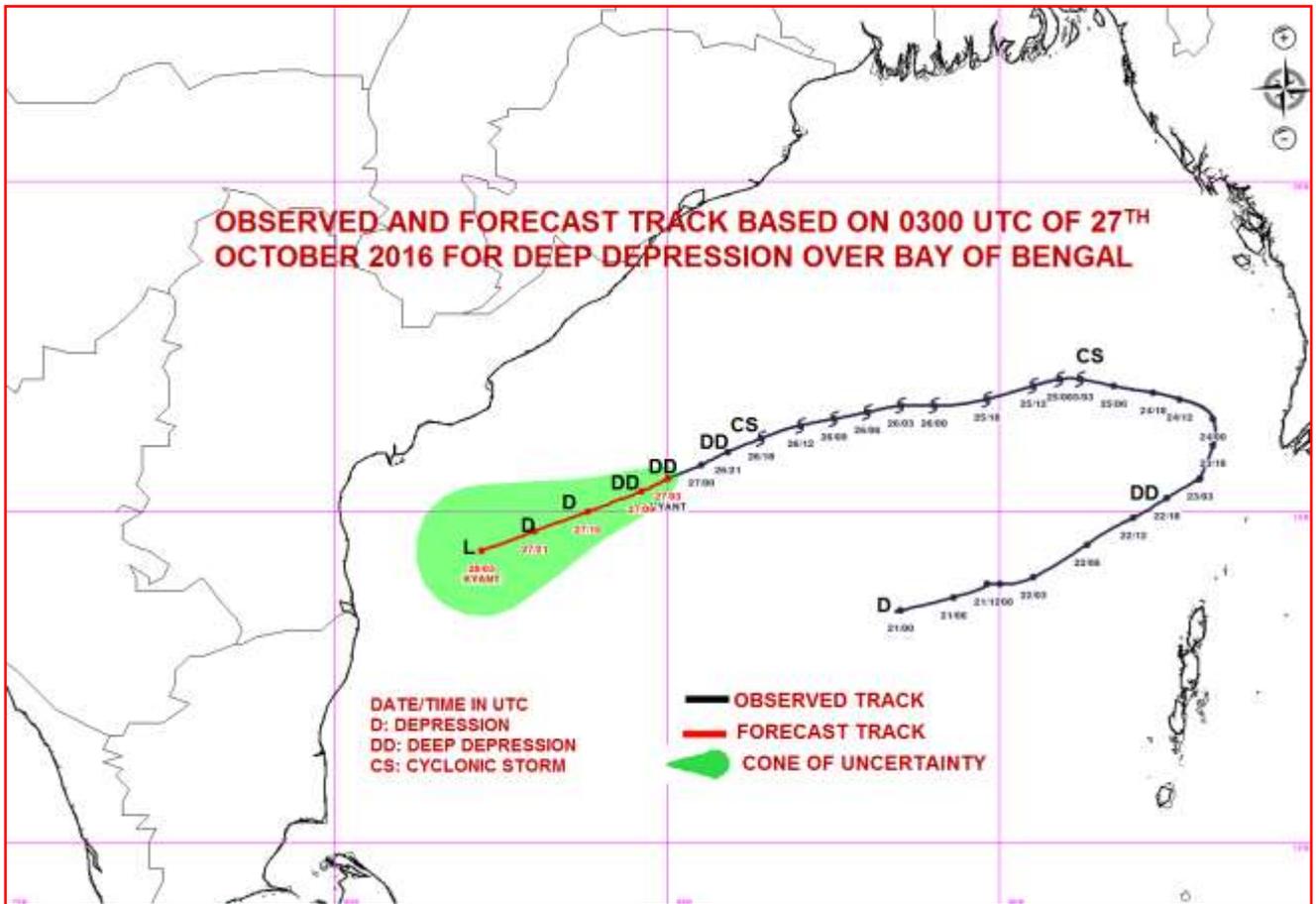
The next bulletin will be issued at 1430 hrs IST of today, the 27th October 2016.

(Naresh Kumar)
Scientist-D
IMD, New Delhi

Copy to: DFDD, Pune/ACWC Kolkata /ACWC Chennai/CWC Vishakhapatnam/CWC
Bhubaneswar/MC Hyderabad.



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



**India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)**

Bulletin No.: 39 (BOB 03/2016)

Time of issue: 1400 hours IST

Dated: 27.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

**To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
CONTROL ROOM NDMA (FAX.NO. 26701729)
CABINET SECRETARIAT (FAX.NO.23793144)
PS TO HON'BLE MINISTER FOR S & T 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)
UNI (FAX NO. 23355841)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)
CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)
CHIEF SECRETARY, GOVT. OF ANDHRA PRADESH (FAX NO. 040-23453700)
CHIEF SECRETARY, GOVT. OF TELENGANA (040-23453700)**

Sub: Deep Depression over westcentral Bay of Bengal

The Deep Depression over westcentral Bay of Bengal moved further west-southwestwards during past 06 hours with speed 19 kmph and lay centred at 1130 hrs IST of 27th October, 2016 over westcentral Bay of Bengal, near Latitude 15.5° N and Longitude 84.5° E, about 280 km south-southeast of Vishakhapatnam and 370 km east-southeast of Machilipatnam and 500 km east-northeast of Nellore. It is most likely to move west-southwestwards and weaken further into a depression during next 12 hours.

Forecast track and intensity of the system are given in the table below:

Date/time(IST)	Position (lat. °N/ long. °E)	Maximum sustained surface wind speed (kmph)	Category of cyclonic Disturbance
27-10-2016/1130	15.5/84.5	50-60 gusting to 70	Deep Depression
27-10-2016/1730	15.3/83.8	45-55 gusting to 65	Depression
27-10-2016/2330	15.0/83.0	45-55 gusting to 65	Depression
28-10-2016/0530	14.6/82.2	35-45 gusting to 55	Depression
28-10-2016/1130	14.1/81.4	25-35 gusting to 45	Low

Warning:

(cxxx) Wind: Squally winds speed reaching 35-45 kmph gusting to 55 kmph is very likely to prevail along & off Andhra Pradesh coast during next 24 hours.

(cxxxi) Sea condition: Sea condition will be rough along & off Andhra Pradesh coast during next 24 hours.

(cxxxii) Fishermen Warning: Fishermen are advised not to venture into sea along & off Andhra Pradesh coasts during next 24 hours.

(cxxxiii) Rainfall:

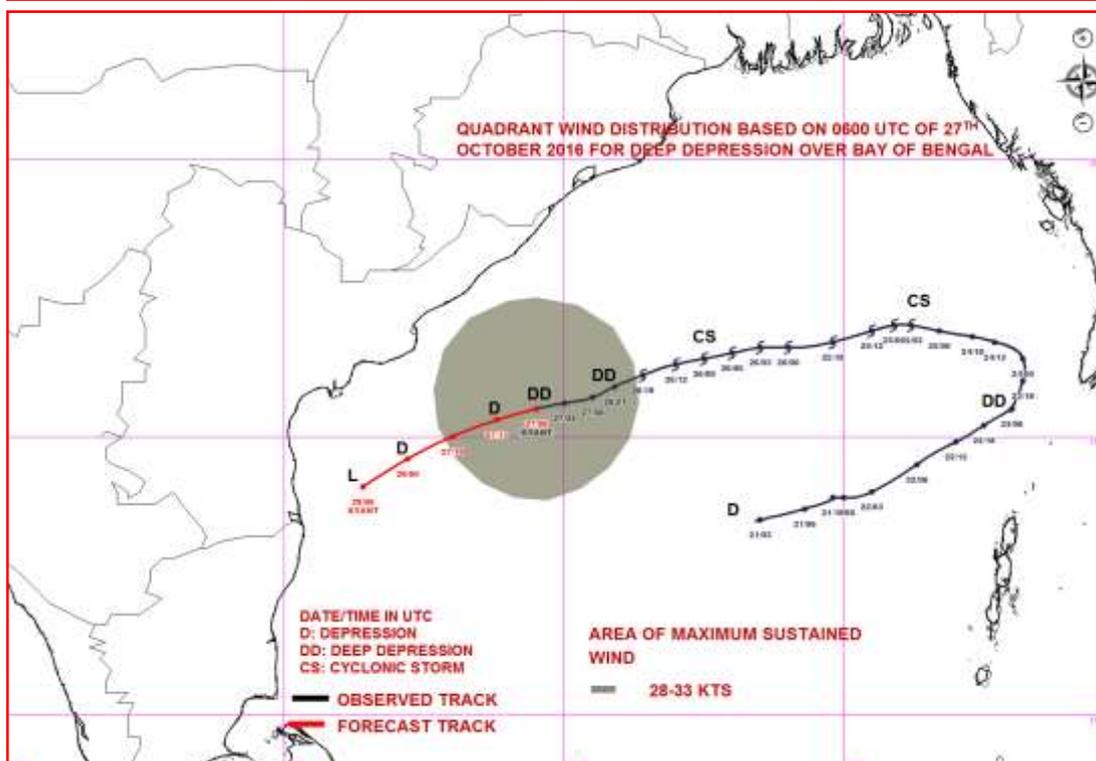
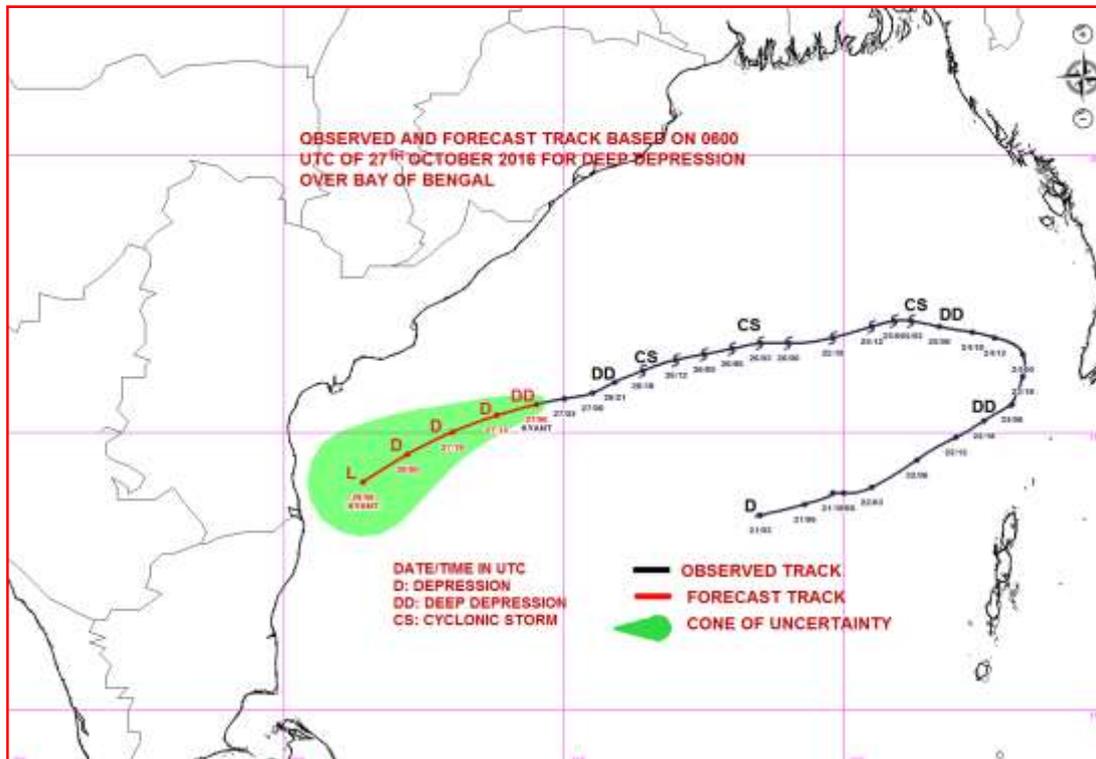
- Light to moderate rainfall (1-4 cm) at many places is very likely to occur over coastal Andhra Pradesh during next 72 hours with heavy rainfall (65mm or more) at isolated places over south coastal Andhra Pradesh during 28th to 30th October 2016
- Light to moderate rainfall (1-6 cm) at many places with isolated heavy falls is very likely over north coastal Tamilnadu from 28th evening to 31st October 2016.

The next bulletin will be issued at 2030 hrs IST of today, the 27th October 2016.

**(M. Mohapatra)
Scientist-G (Services)**

Copy to: DFDD, Pune/ACWC Kolkata /ACWC Chennai/CWC Vishakhapatnam/CWC Bhubaneswar/MC Hyderabad.

**Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.**



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Bulletin No.: 40 (BOB 03/2016)

Time of issue: 2000 hours IST

Dated: 27.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
CONTROL ROOM NDMA (FAX.NO. 26701729)
CABINET SECRETARIAT (FAX.NO.23793144)
PS TO HON'BLE MINISTER FOR S & T 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)
UNI (FAX NO. 23355841)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)
CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)
CHIEF SECRETARY, GOVT. OF ANDHRA PRADESH (FAX NO. 040-23453700)
CHIEF SECRETARY, GOVT. OF TELENGANA (040-23453700)

Sub: Deep Depression over westcentral Bay of Bengal weakened into a depression

The Deep Depression over westcentral Bay of Bengal moved further west-southwestwards during past 06 hours with speed 18 kmph, weakened into a depression and lay centred at 1730 hrs IST of 27th October, 2016 over westcentral Bay of Bengal, near Latitude 15.5° N and Longitude 83.5° E, about 240 km south-southeast of Vishakhapatnam and 260 km east-southeast of Machilipatnam and 390 km east-northeast of Nellore. It is most likely to move west-southwestwards and weaken further into a well marked low pressure area during next 24 hours.

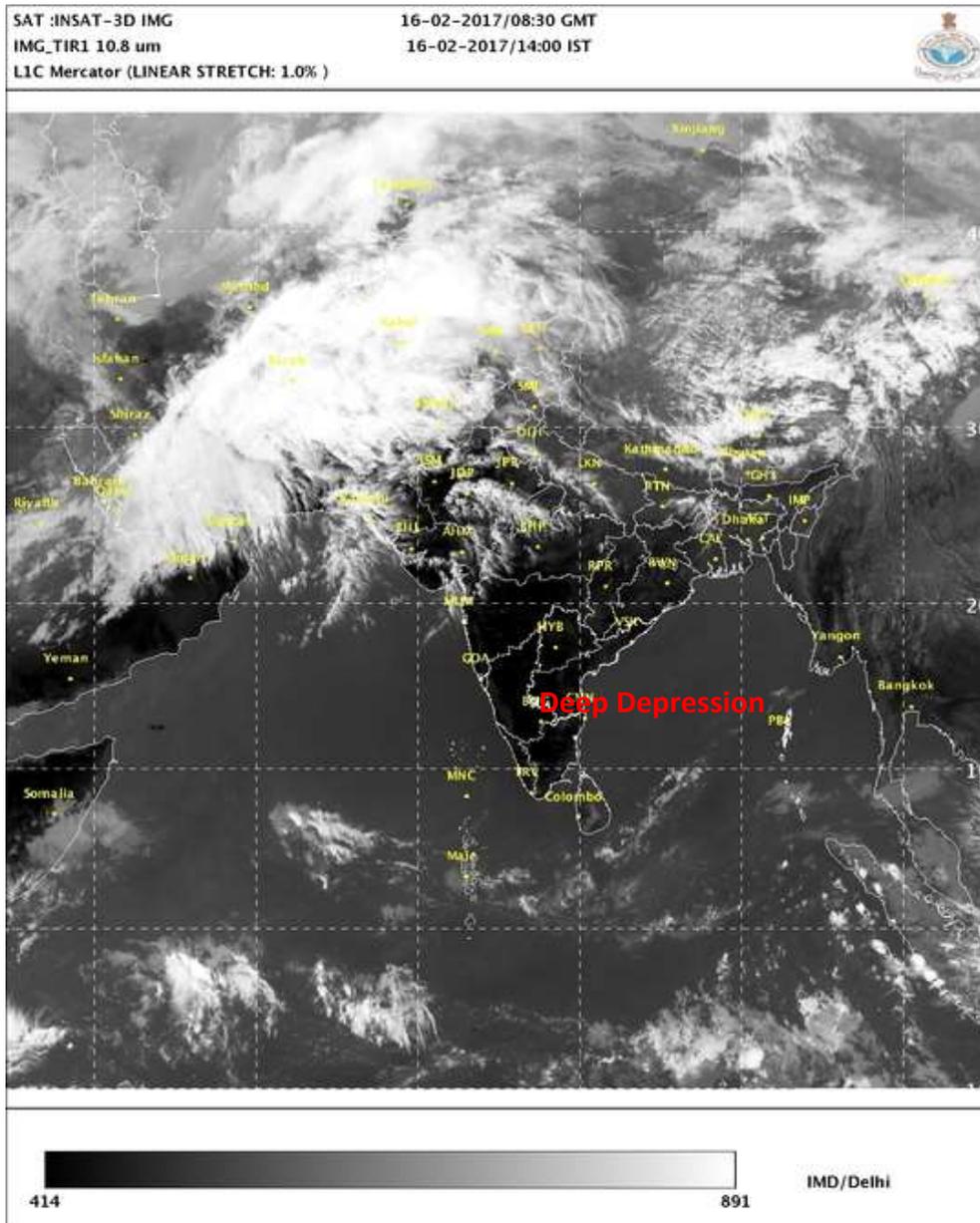
Warning:

- (cxxxiv) **Wind:** Squally winds speed reaching 35-45 kmph gusting to 55 kmph is very likely to prevail along & off Andhra Pradesh coast during next 24 hours.
- (cxxxv) **Sea condition:** Sea condition will be rough along & off Andhra Pradesh coast during next 24 hours.
- (cxxxvi) **Fishermen Warning:** Fishermen are advised not to venture into sea along & off Andhra Pradesh coasts during next 24 hours.
- (cxxxvii) **Rainfall:**
- Light to moderate rainfall (1-4 cm) at many places is very likely to occur over coastal Andhra Pradesh during next 72 hours with heavy rainfall (65mm or more) at isolated places over south coastal Andhra Pradesh during 28th to 30th October 2016
 - Light to moderate rainfall (1-6 cm) at many places with isolated heavy falls is very likely over north coastal Tamilnadu from 28th evening to 31st October 2016.

The next bulletin will be issued at 0230 hrs IST of tomorrow, the 28th October 2016.

(Naresh Kumar)
Scientist-D, IMD

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Bulletin No.: 41 (BOB 03/2016)

Time of issue: 0130 hours IST

Dated: 28.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
CONTROL ROOM NDMA (FAX.NO. 26701729)
CABINET SECRETARIAT (FAX.NO.23793144)
PS TO HON'BLE MINISTER FOR S & T 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)
UNI (FAX NO. 23355841)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)
CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)
CHIEF SECRETARY, GOVT. OF ANDHRA PRADESH (FAX NO. 040-23453700)
CHIEF SECRETARY, GOVT. OF TELENGANA (040-23453700)

Sub: Depression over westcentral Bay of Bengal

The Depression over westcentral Bay of Bengal moved further west-southwestwards during past 06 hours with speed 10 kmph, and lay centred at 2330 hrs IST of 27th October, 2016 over westcentral Bay of Bengal, near Latitude 15.3° N and Longitude 83.0° E, about 260 km south-southwest of Vishakhapatnam and 220 km east-southeast of Machilipatnam and 330 km east-northeast of Nellore. It is most likely to move west-southwestwards and weaken further into a well marked low pressure area during next 24 hours.

Warning:

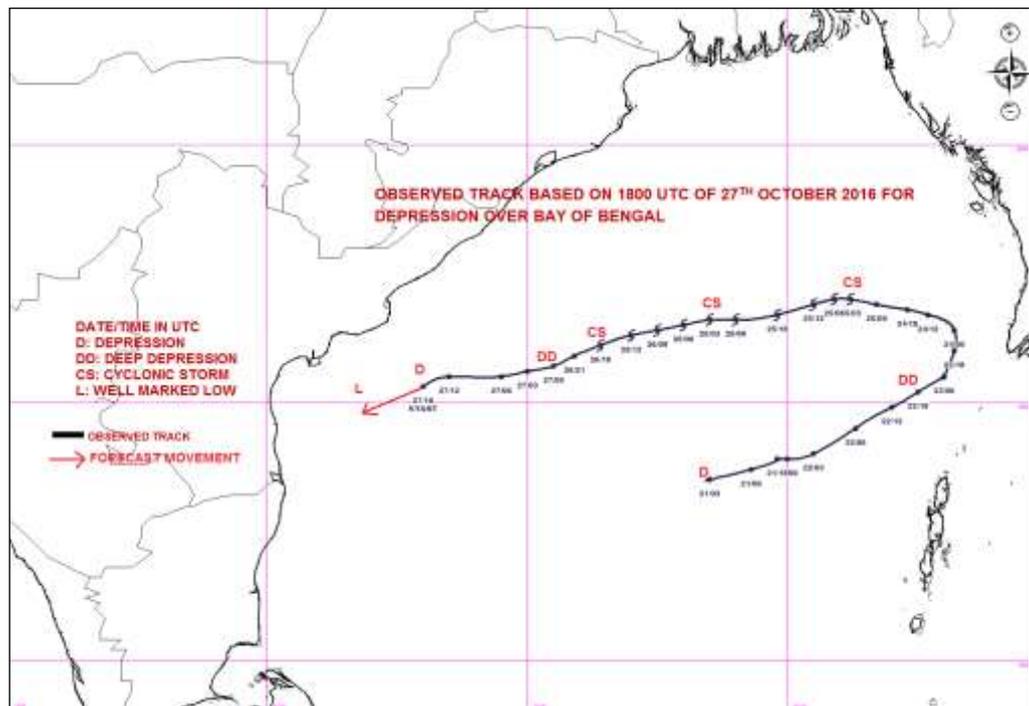
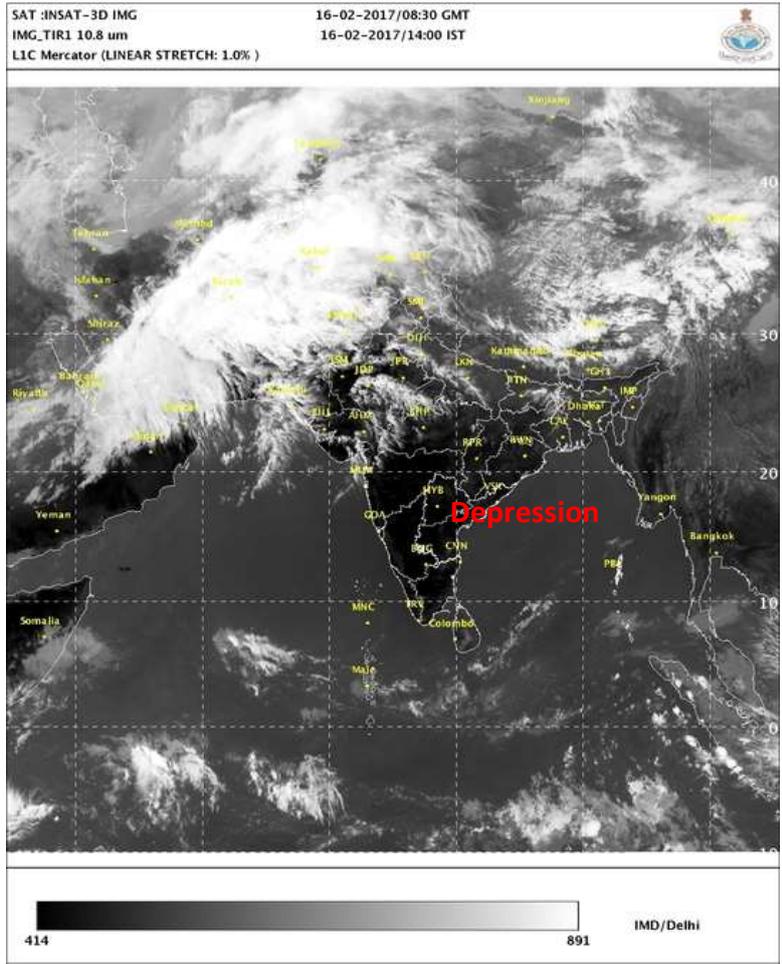
- (cxxxviii) **Wind:** Squally winds speed reaching 35-45 kmph gusting to 55 kmph is very likely to prevail along & off Andhra Pradesh coast during next 24 hours.
- (cxxxix) **Sea condition:** Sea condition will be rough along & off Andhra Pradesh coast during next 24 hours.
- (cxl) **Fishermen Warning:** Fishermen are advised not to venture into sea along & off Andhra Pradesh coasts during next 24 hours.
- (cxli) **Rainfall:**
- Light to moderate rainfall (1-4 cm) at many places is very likely to occur over coastal Andhra Pradesh during next 72 hours with heavy rainfall (65mm or more) at isolated places over south coastal Andhra Pradesh during 28th to 30th October 2016
 - Light to moderate rainfall (1-6 cm) at many places with isolated heavy falls is very likely over north coastal Tamilnadu from 28th evening to 31st October 2016.

The next bulletin will be issued at 0830 hrs IST of today, the 28th October 2016.

(Shambu Ravindren)
Scientist-B, IMD

Copy to: DFDD, Pune/ACWC Kolkata /ACWC Chennai/CWC Vishakhapatnam/CWC Bhubaneswar/MC Hyderabad

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
 Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



India Meteorological Department
Earth System Science Organisation
(Ministry of Earth Sciences)

Bulletin No.: 42 (BOB 03/2016)

Time of issue: 0830 hours IST

Dated: 28.10.2016

FROM: INDIA METEOROLOGICAL DEPARTMENT (Fax No. 24643965/24699216/24623220)

To: CONTROL ROOM, NDM, MINISTRY OF HOME AFFAIRS (FAX.NO. 23093750)
CONTROL ROOM NDMA (FAX.NO. 26701729)
CABINET SECRETARIAT (FAX.NO.23793144)
PS TO HON'BLE MINISTER FOR S & T 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)
UNI (FAX NO. 23355841)
D.G. NATIONAL DISASTER RESPONSE FORCE (NDRF) (FAX No. 26105912)
CHIEF SECRETARY, GOVT. OF ODISHA (0674-2536660)
CHIEF SECRETARY, GOVT. OF ANDHRA PRADESH (FAX NO. 040-23453700)
CHIEF SECRETARY, GOVT. OF TELENGANA (040-23453700)

Sub: Depression over westcentral Bay of Bengal Weakened into Well Marked Low Pressure Area.

The Depression over westcentral Bay of Bengal moved further west-southwestwards during past 06 hours with a speed 10 kmph and weakened into a well marked low pressure area over west central Bay of Bengal off Andhra Pradesh coast. It is most likely to move west-southwestwards and weaken further gradually.

Warning:

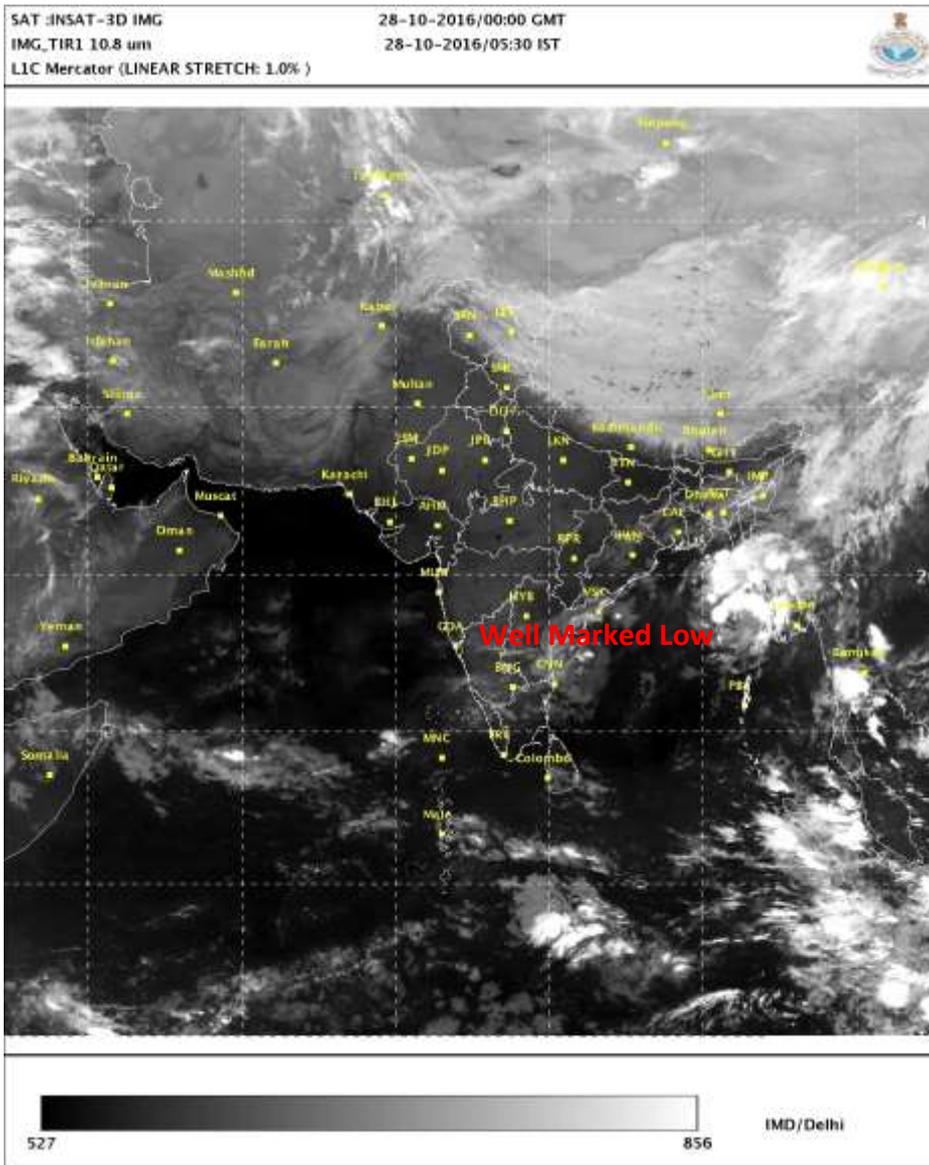
- (cxlii) **Wind:** Squally winds speed reaching 35-45 kmph gusting to 55 kmph is very likely to prevail along & off Andhra Pradesh coast during next 24 hours.
- (cxliii) **Sea condition:** Sea condition will be moderate to rough along & off Andhra Pradesh coast during next 24 hours.
- (cxliv) **Fishermen Warning:** Fishermen are advised to be cautious while venturing into sea along & off Andhra Pradesh coasts during next 24 hours.
- (cxlv) **Rainfall:**
- Light to moderate rainfall (1-6 cm) at many places is very likely to occur over Andhra Pradesh and north coastal Tamilnadu during next 72 hours with heavy rainfall (65mm or more) at isolated places during next 72 hours

This is the last bulletin for this system. However, normal bulletins will continue from Regional Meteorological Centre Chennai, Meteorological Centre Hyderabad, and National Weather forecasting Centre, New Delhi.

(Shambu Ravindren)
Scientist-B, IMD

Copy to: DFDD, Pune/ACWC Kolkata /ACWC Chennai/CWC Vishakhapatnam/CWC Bhubaneswar/MC Hyderabad

Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.



Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%
 Rainfall amount (mm): Heavy rain: 64.5 – 124.4, Very heavy rain: 124.5 – 244.4, Extremely heavy rain: 244.5 or more.