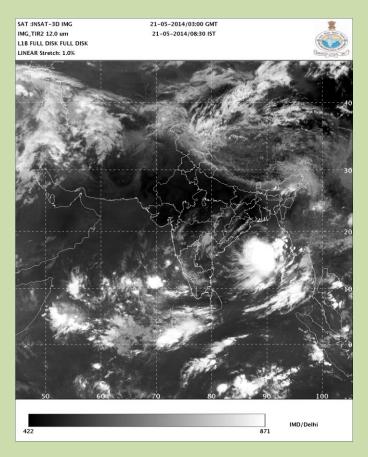


# GOVERNMENT OF INDIA MINISTRY OF EARTH SCIENCES EARTH SYSTEM SCIENCE ORGANISATION INDIA METEOROLOGICAL DEPARTMENT A Preliminary Report on Depression over Bay of Bengal

(21 – 23 May, 2014)



INSAT – 3D IMAGERY BASED ON 0300 UTC OF 21<sup>ST</sup> MAY, 2014

## **CYCLONE WARNING DIVISION, NEW DELHI**

## **MAY 2014**

## 1. Introduction

A depression formed over eastcentral Bay of Bengal on 21<sup>st</sup> May 2014. It moved north northeast wards initially and then southwestwards and weakened into a well marked low pressure area over central Bay of Bengal in the morning of today, the 23<sup>rd</sup> May 2014. The salient features of this depression is given below.

• Though the depression weakened over the sea, it's remnant low pressure area moved across Odisha causing heavy rainfall over Odisha and adjoining areas.

The monitoring and prediction procedure along with the brief life cycle of the depression and associated adverse weather, warnings issued by IMD and its verification are described below.

#### 2. Monitoring and prediction

The depression was mainly monitored by satellite. The half hourly INSAT 3D/Kalpana imageries, and products, ASCAT surface winds and other internationally available satellite products were used for monitoring of this depression. Various numerical weather prediction (NWP) models and dynamical-statistical models including IMD's global and meso-scale models and models run at NCMRWF were utilized to predict the genesis, track and intensity of the depression. Tropical Cyclone Module in the digitized forecasting system of IMD was utilized for analysis and comparison of various observational and NWP models products and decision making process.

## 3. Genesis

Under the influence of an active monsoon surge, an upper air cyclonic circulation formed over north Andaman sea and neighbourhood extending upto 4.5 km above mean sea level (amsl) on 17<sup>th</sup> May. It persisted over the same area and extended upto 5.8 km (amsl) on 18<sup>th</sup>. Under its influence, a low pressure area formed over southeast and adjoining eastcentral Bay of Bengal at 0300 UTC of 19<sup>th</sup> May 2014. It moved northwestwards and became a well marked low at 0300 UTC of 20<sup>th</sup> May 2014. It concentrated into a depression at 0300 UTC of 21<sup>st</sup> May 2014 over eastcentral Bay and lay centred near latitude 15.5<sup>o</sup> N and longitude 90.5° E, about 490 km northnortheast of Port Blair. The ASCAT winds data indicated cyclonic circulations with wind speed of 20-25 knots around the system centre. The winds were stronger in the southern semicircle of the system in association with monsoon surge. The low level convergence along with low level relative vorticity and upper level divergence increased from 20<sup>th</sup> to 21<sup>st</sup> May 2014 favouring cyclogenesis. The sea surface temperature was 30-32<sup>°</sup> C and ocean thermal energy was 60-80 kJ/cm<sup>2</sup> around the system centre. The vertical wind shear was moderate to high (15 - 30 knots). Satellite imageries indicated intense to very intense convection with lowest cloud top temperature of about -75° C. The system had shear pattern as per the Dvorak's intensity classification and the T number was 1.5.

The best track parameters are shown in Table 1. The track of the system is shown in Fig.1. The typical satellite imageries of depression are shown in Fig.2. The IMD GFS model analysis charts based on 0000 UTC during 21-27 May 2014 are shown in Fig.3.

## 4. Intensification and movement

The favourable conditions of lower level relative vorticity, lower level convergence, upper level divergence, warmer SST (26-28<sup>°</sup> C) and associated convection persisted during 21<sup>st</sup> to 23<sup>rd</sup> May 2014. The system was mainly steered by the mid-tropospheric flow. As the system lay close to the ridge in the middle level it could not follow any persistent direction of

movement. As a result, it initially moved northeastwards and then recurred southwestwards as shown in fig 1. However due to increase in vertical wind shear which became high since 22<sup>nd</sup> evening, the depression weakened into a well marked low pressure area on 23<sup>rd</sup> May 2014. The well marked low pressure area moved west-northwestwards and lay over west central and adjoining northwest Bay of Bengal off south Odisha and north coastal Andhra Pradesh on 25<sup>th</sup>, over south coastal Odisha and neighbourhood on 26<sup>th</sup> and over Odisha and neighbourhood on 27<sup>th</sup>. Thereafter it weakened into a low pressure area over east Bihar and neighbourhood on 28<sup>th</sup> and over Sub-Himalayan West Bengal and adjoining Bangladesh on 29<sup>th</sup>. It became less marked on 30<sup>th</sup>.

Table 1: Best track positions and other parameters of the Depression over the Bay of Bengal									
during 04-07 May 2014 , 2014									
Date	Time	Centre	C.I.	Estimated	Estimated	Estimated	Grade		
	(UTC)	lat.º N/	NO.	Central	Maximum	Pressure			
		long °E		Pressure(hPa)	Sustained	drop at the			
					Surface Wind(kt)	Centre (hPa)			
21/05/2014	0300	15.5/90.5	1.5	1004.0	25	3	D		
	0600	16.0/90.5	1.5	1004.0	25	3	D		
	1200	16.5/91.0	1.5	1002.0	25	4	D		
	1800	16.5/91.0	1.5	1002.0	25	3	D		
22/05/2014	0000	16.5/92.0	1.5	1000.0	25	3	D		
	0300	16.5/92.0	1.5	1000.0	25	3	D		
	0600	17.0/92.5	1.5	1000.0	25	3	D		
	1200	17.5/92.0	1.5	1000.0	25	4	D		
	1800	17.5/92.0	1.5	1000.0	25	4	D		
23/05/2014	0000	17.0/91.0	1.5	1000.0	25	4	D		
	0300	Weakene	d into a	well-marked low	pressure area over	central Bay of E	Bengal		

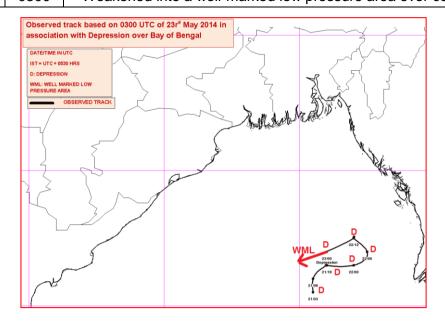


Fig.1. Best Track of Depression over Bay of Bengal (21-23 May 2014)

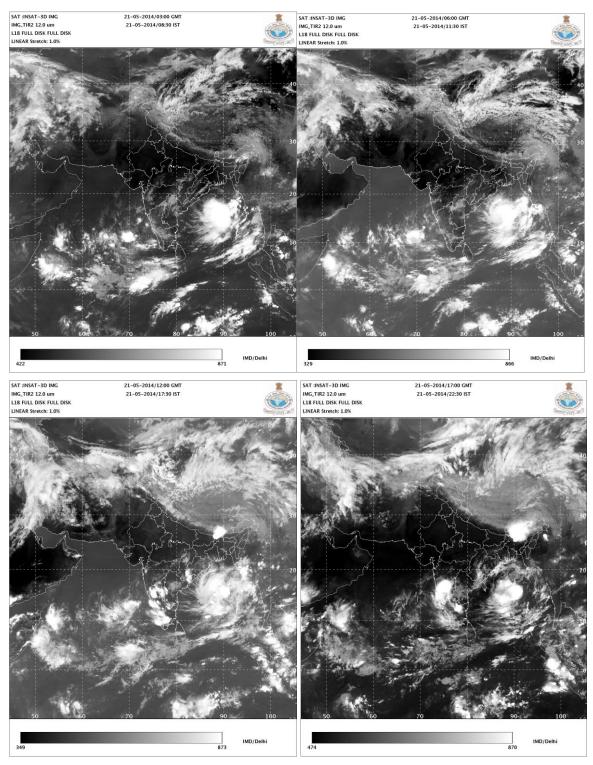


Fig.2(a). INSAT -3D satellite imageries of depression over the Bay of Bengal at 0300, 0600, 1200 & 1800 UTC of 21<sup>st</sup> May 2014.

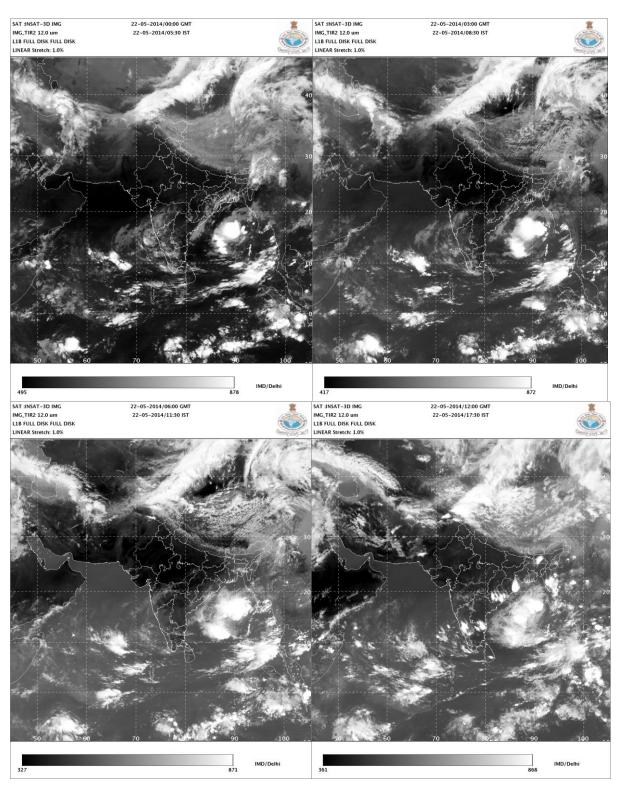


Fig.2(b). INSAT -3D satellite imageries of depression over the Bay of Bengal at 0000, 0300, 0600 & 1200 UTC of 22<sup>nd</sup> May 2014.

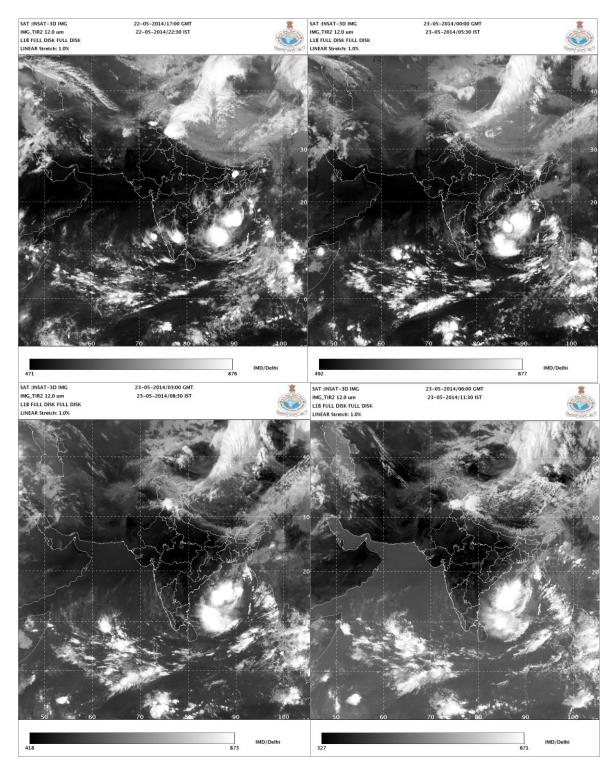


Fig.2(c). INSAT -3D satellite imageries of depression over the Bay of Bengal at 1800 UTC of 22<sup>nd</sup> May 0000, 0300 & 0600 UTC of 23<sup>rd</sup> May 2014.

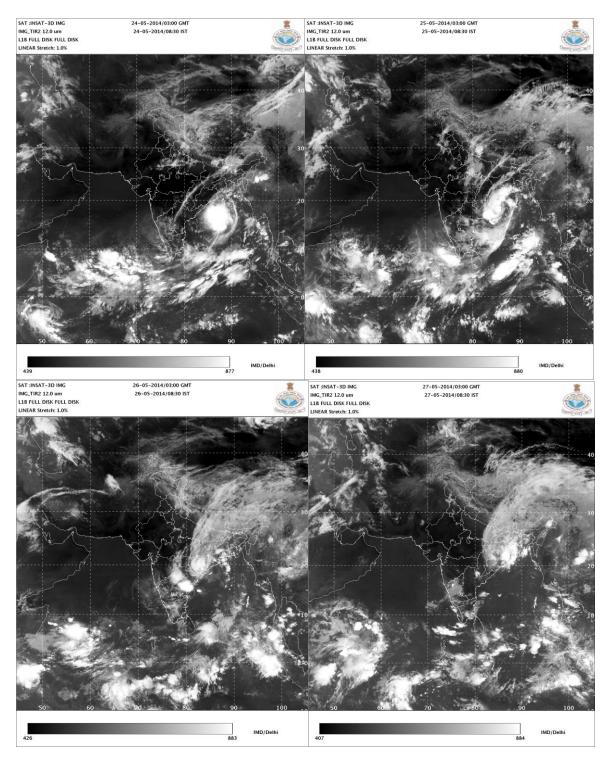


Fig.2(d). INSAT -3D satellite imageries of depression over the Bay of Bengal at 0300 UTC of 24<sup>th</sup> – 27<sup>th</sup> May 2014.

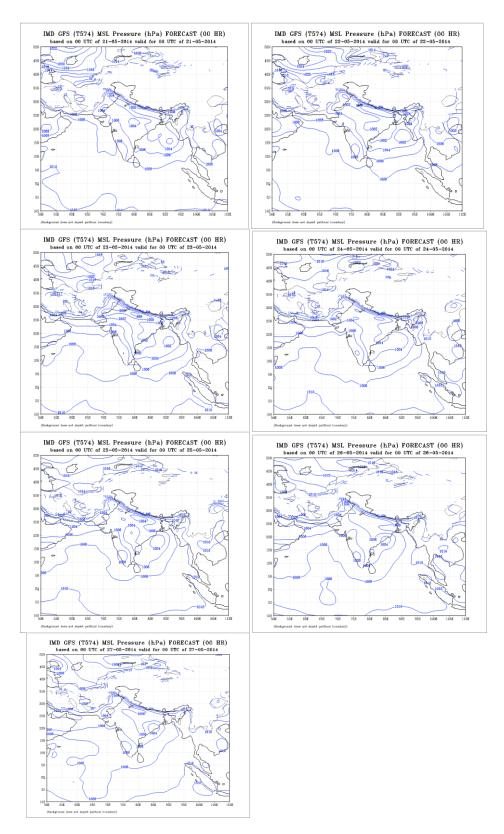


Fig.3(a). IMD-GFS MSLP charts based on 0000z on 21<sup>st</sup> - 27<sup>th</sup> May 2014

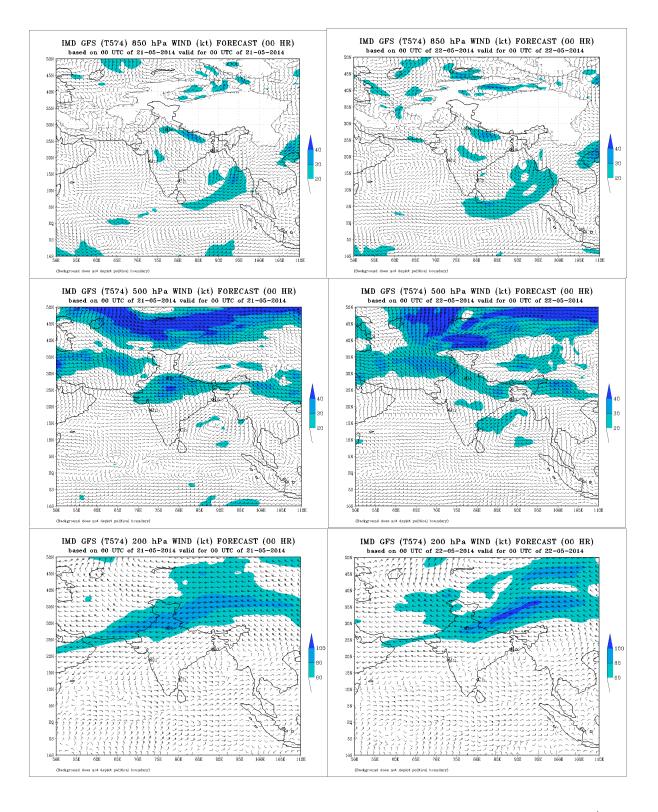


Fig.3(b). IMD-GFS analysed charts based on 0000z on 850,500 and 200 hPa on  $21^{st}$  –  $22^{nd}$  May 2014

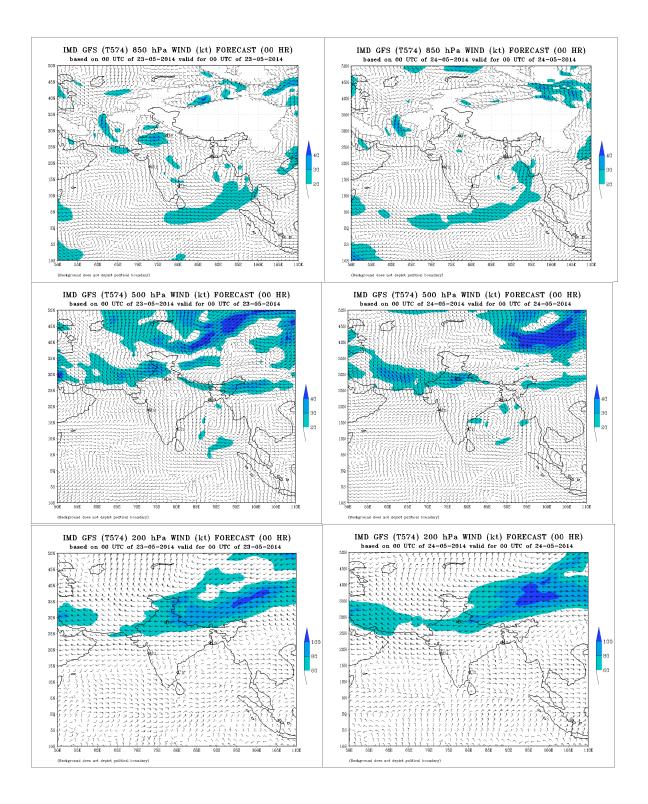


Fig.3(c). IMD-GFS analysed charts based on 0000z on 850, 500 and 200 hPa on 23<sup>rd</sup> – 24<sup>th</sup> May 2014

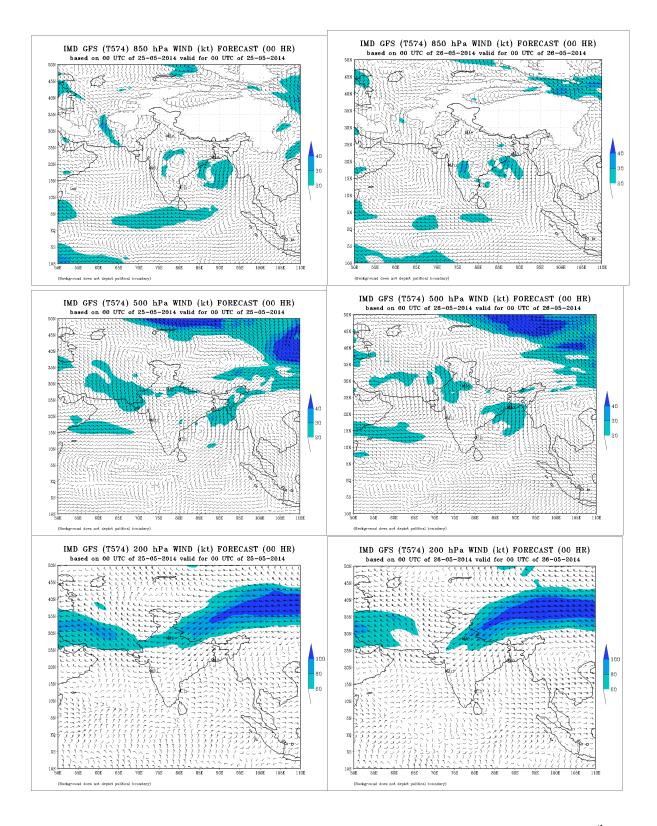


Fig.3(d). IMD-GFS analysed charts based on 0000z on 850,500 and 200 hPa on  $25^{th}$ –  $26^{th}$  May 2014

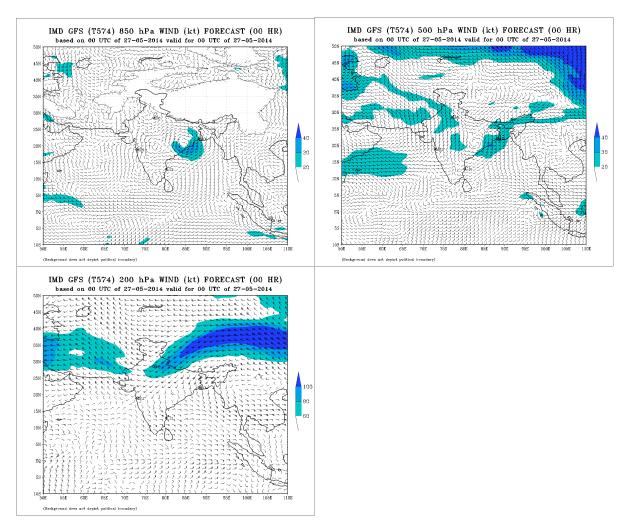


Fig.3(e). IMD-GFS analysed charts based on 0000z on 850, 500 and 200 hPa on 27<sup>th</sup> May 2014

## 5. Warning services

The Cyclone Warning Division / Regional Specialised Meteorological Centre (RSMC)-Tropical Cyclone, IMD, New Delhi mobilised all its resources for monitoring and prediction of Depression. It issued 3/6 hourly warning/advisory bulletins to national disaster management agencies. It issued forecast and warning bulletins to various national and international disaster management agencies including National Disaster Management (NDM), Ministry of Home Affairs (MHA), concerned state Govts. and other users in regular intervals. It also issued advisories to World Meteorological Organisation (WMO)/Economic and Social Cooperation for Asia and the Pacific (ESCAP) Panel member countries including Bangladesh, Myanmar, Thailand, Pakistan, Oman, Sri Lanka and Maldives during depression period. The graphical display of the observed track was uploaded in the IMD's website regularly. The number of bulletins issued by the Regional Specialised Meteorological Centre and depression warning division, New Delhi, are given below:

Bulletins for India	: 11
Special Tropical Weather Outlook and Tropical Cyclone Advisory	
Bulletin to all WMO/ESCAP Panel countries	: 5

In addition, special e-mails about the depression were also sent to all concerned offices.

#### 6. Realized Weather:

Chief amounts of 24 hrs. Rainfall (1 cm or more) ending at 0300 UTC from 22<sup>nd</sup>

May to 27<sup>th</sup> May 2014 are given below:

#### 22 May 2014

**ANDAMAN & NICOBAR ISLANDS:** Nancowary-2, Hut Bay-1, Car Nicobar (IAF)-1, Long Island-1, Car Nicobar-1,

#### 23 May 2014

**ANDAMAN & NICOBAR ISLANDS:** Hut Bay-3, Nancowary-1, Car Nicobar-1, Car Nicobar (IAF)-1,

#### 24 May 2014

ANDAMAN & NICOBAR ISLANDS: Car Nicobar(IAF) -5, Car Nicobar-3, Hut Bay-1,

#### 25 May 2014

COASTAL ANDHRA PRADESH: Parvatipuram-3, Chodavaram-3, Anakapalli-3, Bobbili-2, Srungavarapukota-2, Tanuku-2, Itchapuram-2, Anakapalle(A)-3, Gajapathinagaram-2, Tuni-1, Yerragondapalem-1, Mandasa-1, Therlam-1, Tekkali-1, **ODISHA:** Akhuapada-4, Chandbali-3, Astaranga ARG-3, Alipingal-3, Ranpur-2, Nimpara-2, Puri-2, Cuttack-2, Gopalpur-2, Kendrapara-2, Paradeep Cwr-1, Derabis ARG-1, Bhubaneswar Aero-1, Marsaghai ARG-1, Balasore-1, Koraput-1, Jagatsinghpur AWS-1. ANDAMAN & NICOBAR ISLANDS: Hut Bay-3, Port Blair-3, IAF Car Nicobar (IAF)-2, Nancowary-2, Car Nicobar-2, Long Island-1,

#### 26 May 2014

**COASTAL ANDHRA PRADESH:** Kalingapatnam-23, Tekkali-20, Pathapatnam-19, Palakonda-15, Veeragattam-11, Sompeta-11, Parvatipuram-10, Komarada-9, Palasa-9, Itchapuram-7, Bobbili-7, Cheepurupalli-7, Sathenapalli-6, Mandasa-6, Macharla-6, Salur-5, Ranasthalam-3, Rentachintala-3, Gajapathinagaram-3, Narsipatnam-3, Piduguralla-2, Therlam-2, Yellamanchili-2, Vijayanagaram-2, Bapatla-2, Bapatla(A)-2, Addanki-2, Kakinada-1, Araku Valley-1, Srungavarapukota-1, Chintapalli-1

**TELANGANA:** Miryalguda-8, Karimnagar-5, Nalgonda-4, Bhongir-4, Huzurabad-4, Kampasagar(A)-3, Ramannapet-3, Sultanabad-2, Jagtial-1, Jangaon-1, Asifabad-1, Suryapet-1, Ibrahimpatnam-1, Dubak-1, Chevella-1

**ODISHA:** Balasore-21, Gunupur-21, NH 5 Gobindpur-20, Paralakhemundi-20, Kashinagar-19, Pattamundai-19, Nuagada ARG-17, Soro-16, Mahendragarh-16, Tihidi ARG-16, Dhamnagar ARG-14, Bhubaneswar Aero-14, R.Udaigiri-14, Cuttack-14, Tirtol ARG-13, Basudevpur AWS-13, Niali ARG-13, Mahanga ARG-12, Khandapara-12, Bonth-12, Nilgiri-12, Kotraguda-12, Athgarh-12, Bissem-Cuttack-11, Muniguda ARG-11, Betanati ARG-11, Jagatsinghpur AWS-11, Raghunathpur ARG-11, Salepur ARG-11, Nischintakoili ARG-11, Bhadrak AWS-11, Bari ARG-10, Tikabali-10, Binjharpur ARG-9, Rayagada-9, Akhuapada-9, Banki ARG-9, Chandikhol ARG-9, Purushottampur-9, Balikuda ARG-9, Sorada-9, Derabis ARG-9, Gudari-9, Chandbali-8, Kendrapara-8, Bhograi-8, Mohana-8, Dhenkanal-8, Tigiria ARG-8, Tangi-8, Jenapur-8, Kashipur-8, Banarpal ARG-7, Jaipur-7, Balipatna ARG-7, Madhabarida-7, Anandpur-7, Thakurmunda-7, Gopalpur-7, Hindol-7, Jajpur-7, Bolagarh ARG-7, Balimundali-7, Danagadi ARG-7, Puri-7, Daringibadi-7, Marsaghai ARG-7, Aska-6, Rajkanika-6, Berhampur-6, Banpur-6, Rajghat-6, Kotagarh-6, Narsinghpur-6, Angul-6, Talcher-6, Kamakhyanagar-6, Parjang ARG-6, Nayagarh-5, Baripada-5, Belaguntha ARG-5, Kantapada ARG-5, Bhuban ARG-5, Raikia ARG-5, Ranpur-5, Remuna ARG-5, Bhawanipatna-4, Daspalla-4, Narla ARG-4, Joshipur-4, Altuma CWC-4, Sukinda-4, Kaptipada ARG-4, Udala-4, Kankadahad ARG-4, Madanpur Rampur-4, Kujanga ARG-3, Odagaon ARG-3, Jaleswar-3, Similiguda AWS-3, Gania ARG-3, Jamsolaghat-3, Garadapur ARG-3, G Udayagiri AWS-3, Karanjia-3, Phiringia ARG-3, Koraput-3, Samakhunta AWS-3, Harabhanga-3, Bangiriposi-3, Kaniha ARG-3, Rairangpur-3, Tentulikhunti ARG-3, Ghatagaon-2, Swam-Patna-2, K Nuagaon ARG-2, Champua-2, Rajkishorenagar-2, Jeypore-2, Chendipada-2, Boudhgarh-2, Bargaon-2, Gurundia ARG-2, Athmalik-2, Phulbani-1, Tarva ARG-1, Paradeep -1, Pottangi-1, Loisingha ARG-1, Junagarh-1, Kesinga ARG-1, Binika-1, Keonjhargarh-1, Tiring-1, Dharmagarh ARG-1, Rairakhol-1, Baliguda-1, Bolangir-1, Reamal-1, Chandahandi ARG-1, Jhorigam ARG-1, Nawarangpur-1, Ullunda ARG-1

JHARKHAND: Balumath-6, Satgaon-3, Garhwa-2, Ghatsila-1

**SUB-HIMALAYAN WEST BENGAL & SIKKIM:** Bagrakote-9, Barobhisha-5, Mekhliganj ARG-5, Cooch Behar-3, Chepan-3, Jalpaiguri-2, Ravangla ARG-2, Sevoke-2, Rongo-1, Tadong-1, Dinhata ARG-1, Darjeeling-1, Alipurduar (CWC)-1, Gangtok-1, Domohani-1

**GANGETIC WEST BENGAL:** Contai-15, Digha-14, Sagar Island AWS-4, Bagati-4, Kharagpur (I.I.T)-3, Basirhat(PTO)-3, Kalaikunda (IAF)-2, Baruipur Agro-AWS-2, Diamond Harbour-2, Canning-2, Midnapore-2, Midnapore(CWC)-2, Mohanpur-1, Uluberia-1, Kolkata (Alipore)-1, Durgachack-1, Kalyani-1, D.P.Ghat-1.

#### 27 May 2014

**COASTAL ANDHRA PRADESH:** Komarada-4, Parvatipuram-4, Veeragattam-1, Kalingapatnam-1

ODISHA: Kesinga ARG-28, Titlagarh-28, Bhawanipatna-26, Khariar-25, Komna-23, Junagarh-22, Patnagarh-19, Chandanpur-17, Paikmal-17, Padampur-16, Narla ARG-15, Balasore-15, Pattamundai-15, Ambabhona-14, Lanjigarh-14, Bolangir-13, NH 5 Gobindpur-13, Tarva ARG-13, Jharbandh ARG-13, Kantamal-11, Betanati ARG-10, Banki ARG-10, Kotraguda-10, Dharmagarh ARG-9, Jajpur-9, Muniguda ARG-9, Nilgiri-9, Tigiria ARG-9, Samakhunta AWS-8, Korei ARG-8, Tikabali-8, Bangiriposi-8, Rajkanika-8, Akhuapada-8, Remuna ARG-8, Rajghat-8, Madanpur Rampur-7, Udala-7, Gaisilet ARG-7, Bonth-7, Kaptipada ARG-7, Thakurmunda-7, Boden ARG-7, Dhamnagar ARG-7, Nawapara-7, Joshipur-7, Sinapali ARG-7, Tihidi ARG-7, Jaipur-7, Baripada-6, Bissem-Cuttack-6, Basudevpur AWS-6, Anandpur-6, Parjang ARG-6, Dunguripalli-6, Karanjia-6, Kashipur-6, Champua-6, Bargarh-6, Tirtol ARG-5, Derabis ARG-5, Garadapur ARG-5, Kendrapara-5, Pallahara-5, Talcher-5, Jaleswar-5, Danagadi ARG-5, Balimundali-5, Soro-5, Sohela-5, Bhadrak AWS-5, Swam-Patna-5, Sundargarh-5, Birmaharajpur ARG-5, Jenapur-5, Chandikhol ARG-5, Hemgiri-5, Daspalla-4, G Udayagiri AWS-4, Astaranga ARG-4, Chandbali-4, Barpalli ARG-4, Marsaghai ARG-4, Binika-4, Bargaon-4, Rajgangpur-4, Jamsolaghat-4, Kotagarh-4, Nischintakoili ARG-4, Binjharpur ARG-4, Bamra ARG-4, Bari ARG-4, Bhograi-4, Paradeep Cwr-4, Puri-3, Banarpal ARG-3, Kaniha ARG-3, Panposh-3, Ghatagaon-3, Krishnaprasad-3, Jharsuguda-3, Balikuda ARG-3, Raghunathpur ARG-3, Sukinda-3, Similiguda AWS-3, Mahanga ARG-3, Laikera-3, Tiring-3, Niali ARG-3, Gudari-3, Ullunda ARG-3, Kujanga ARG-3, Kuchinda-3, Gurundia ARG-3, Jujumura ARG-3, Harabhanga-3, Bijepur-3, Banpur-3, Rairangpur-3, Chandahandi ARG-3, Keonjhargarh-3, Dhenkanal-3, Kashinagar-3, Sonepur-2, Atabira ARG-2, Satvabadi ARG-2, Balisankara ARG-2, Daringibadi-2, Phiringia ARG-2, Phulbani-2, Gunupur-2, Jamankira-2, Bhubaneswar Aero-2, Ranpur-2, Batli ARG-2, Narsinghpur-2, Jagatsinghpur AWS-2, Telkoi-2, Rayagada-2, Jhumpura-2, Reamal-2, Bhuban ARG-2, Raikia ARG-2, Baliguda-2, Chendipada-2, Nayagarh-2, Jhorigam ARG-2, Altuma CWC-2, Kantapada ARG-2, Kamakhyanagar-2, Belaguntha ARG-2, Pipili-2, Hirakud-2, Nuagada ARG-2, Angul-2, Athmalik-2, Bolagarh ARG-2, Boudhgarh-1, Salepur ARG-1, Hindol-1, Nawarangpur-1, Sambalpur-1, Deogarh-1, Berhampur-1, Koraput-1, Pottangi-1, Gop-1, Banaigarh AWS-1, Cuttack-1, Athgarh-1, Kankadahad ARG-1, Jaipatna-1, K Nuagaon ARG-1, Balipatna ARG-1, Lahunipara-1, Purushottampur-1, Jeypore-1, Raighar ARG-1, Dabugan ARG-1, Umarkote-1, Rairakhol-1

**JHARKHAND:** Rajmahal-25, Dumri-11, Tenughat-10, Godda-10, Hiranpur-8, Ghatsila-7, Bokaro-7, Mohanpur-7, Giridih-6, Jarmindi-6, Barkisuriya-5, Hazaribagh-5, Ramgarh-5, Topchanchi-5, Kuru-5, Maheshpur-5, Tilaiya-5, Gomia-4, Madhupur-4, Hindgir-4, Chakradharpur-4, Hunterganj-4, Pathargama-4, Kurdege-4, Barhi-4, Jaridih-4, Sarath-4, Latehar-4, Satgaon-3, Moharo-3, Amrapara-3, Mehgawan-3, Kharsema-3, Maithon-3, Pakuria-2, Pakur-2, Torpa-2, Dhanbad-2, Chatra-2, Ranchi Aero-2, Pathalgada-2, Rajdhanwar-2, Simdega-2, Ormangi/Ormang-2, Tundi-2, Jamtara-2, Messenjore-2, Deoghar-1, Gobindpur-1, Jamshedpur-1, Daltonganj-1, Jamshedpur Aero-1, Panchet-1, Nandadih-1, Dumka-1, Putki-1

**SUB-HIMALAYAN WEST BENGAL & SIKKIM:** Ratua ARG-10, Malda-5, Chungthang-2, Gyalsing AWS-2, Ranipool-2, Sankalan-2, Gangtok-2, Soreng ARG-2, Damthang-2, Balurghat-1, Darjeeling-1, Tadong-1, Singla Bazar-1, Gajoldoba-1, Khanitar-1, Majitar-1, Kalimpong-1,

**GANGETIC WEST BENGAL:** Durgachack-8, Kalaikunda (IAF)-5, Kolkata (Alipore)-5, Rampurhat-4, Berhampore-4, Diamond Harbour-4, Midnapore(CWC)-4, Midnapore-4, Sagar Island AWS-3, Tamluk AWS-3, Simula-3, Uluberia-3, Purulia-3, Tantloi-3, Kharidwar-3, Canning-3, Contai-2, Digha-2, Tusuma-2, Kansabati Dam-2, Kolkata (Dum Dum)-2, Bankura(CWC)-2, D.P.Ghat-2, Mohanpur-2, Basirhat(Pt)-2, Sri Niketan-2, Bankura-2, Suri (CWC)-1, Purihansa-1, Harinkhola-1, Tilpara Barrage-1, Gheropara-1, Burdwan (PTO)-1.

The merge data of rainfall based on station observed was satellite estimates for the period of 21-27<sup>th</sup> May 2014 are shown below in Fig.4.

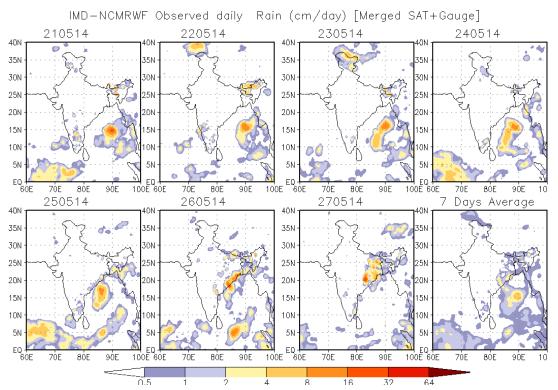


Fig.4. Rainfall in merged data set map in association with depression over the Bay of Bengal during 21<sup>st</sup> – 27<sup>th</sup> May 2014

#### 7. Forecast verification

Rainfall forecast The heavy rainfall warning issued by IMD along with the actual heavy rainfall is given in Table 2.

## Table 2. Verification of heavy rainfall warning issued by IMD

Date & time	Warning issued	24 hr heavy rainfall realised at 0300UTC of date	
21/05/2014 0300 UTC	Rainfall would occur at most places with isolated heavy to very heavy falls over Andaman and Nicobar Islands during next 48 hrs.	Rainfall at most places	
22/05/2014 0300 UTC	Rainfall would occur at many places over Andaman and Nicobar Islands during next 24 hrs.	Rainfall at many places.	
23/05/2014 0300 UTC	Nil	Nil	
24/05/2014 0300 UTC	-Nil-	Nil	
25/05/2014 0300 UTC	Heavy rainfall would occur at isolated places over coastal Odisha during next 72 hrs.	Heavy to very heavy rainfall at a few places over coastal Andhra Pradesh, Odisha. Isolated heavy to very heavy rainfall over West Bengal	
26/05/2014 0300 UTC	Heavy to very heavy rainfall would occur at a few places with extremely heavy falls at isolated places over Odisha, and heavy rainfall would occur at isolated places over north coastal Andhra Pradesh, sub Himalayan west Bengal & Sikkim and south Chatisgarh	Heavy to very heavy rainfall at a few places with islated extremely heavy rainfall over Odisha and isolated heavy rainfall over West Bengal	

## 8. Wind warnings:

The squally wind warning issued by IMD and realised wind are shown in Table 3.

## Table 3. squally wind warning issued by IMD and realised wind

Date & time	Warning issued	Observations at 0300UTC of date
21/05/2014 0300 UTC	Squally winds speed reaching 45-55 kmph gusting to 65 kmph would prevail along and off Andaman and Nicobar Islands during next 48 hrs.	
22/05/2014 0300 UTC	Squally winds speed reaching 45-55 kmph gusting to 65 kmph would prevail along and off Andaman Islands during next 24 hrs	40 -50 KMPH
23/05/2014	Strong winds speed reaching 40-50 kmph gusting to 60 kmph would prevail along and off Andaman Islands during next 24 hrs	

## 9. Damages.

No damage report has been reported due to this depression.

-----X-----