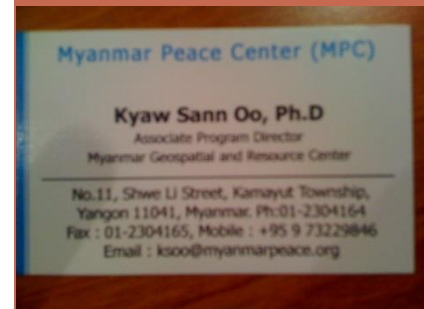


# MPC ACTIVITIES ON GEOSPATIAL TECHNOLOGY



Kyaw Sann Oo  
Myanmar  
Geospatial and  
Resource  
Center,  
Myanmar  
Peace Center



# UPCC AND UPWC



Established 1914

## The NEW LIGHT OF MYANMAR

Volume XX, Number 29

14<sup>th</sup> Waning of Kason 1374 ME

Saturday, 19 May, 2012

### True patriotism

\* It is very important for every one of the nation regardless of the place he lives to have strong Union Spirit.

\* Only Union Spirit is the true patriotism all the nationalities will have to safeguard.

#### Republic of the Union of Myanmar President Office Order No.11/2012

13<sup>th</sup> Waxing of Kason 1374 ME  
(3<sup>rd</sup> May, 2012)

#### Formation of Union Peace-making Central Committee

1. The Union Government led by the President elected under the Constitution has been striving for national development in close cooperation with the legislature and the judiciary. In its drive for national development, restoration of internal peace has been high on its agenda.
2. To be able to take a leading role in negotiating with national race armed groups, "Union Peace-making Central Committee" has been formed with personalities mentioned below.
  - (a) U Thein Sein Chairman  
President
  - (b) Thiha Thura U Tin Aung Myint Oo Member  
Vice-President
  - (c) Dr Sai Mauk Kham Member  
Vice-President
  - (d) Thura U Shwe Mann Member  
Speaker, Pyithu Hluttaw
  - (e) U Khin Aung Myint Member  
Speaker, Amyotha Hluttaw
  - (f) Vice-Senior General Min Aung Hlaing Member  
Commander-in-Chief of Defence Services

(See page 8)

#### Republic of the Union of Myanmar President Office Order No. 12/2012

13<sup>th</sup> Waxing of Kason 1374 ME  
(3<sup>rd</sup> May, 2012)

#### Formation of Union Peace-making Work Committee

1. With a view to discussing and making peace with national race armed groups, the Union Peace-making Work Committee has been formed with the following persons.
  - (a) Dr Sai Mauk Kham Chairman  
Vice-President
  - (b) General Soe Win Vice-Chairman  
Deputy Commander-in-Chief of  
Defence Services  
Commander-in-Chief (Army)
  - (c) U Aung Min Vice-Chairman  
Union Minister
  - (d) U Thein Zaw Vice-Chairman  
Pyithu Hluttaw Representative
  - (e) U Ohn Myint Member  
Union Minister
  - (f) U Soe Thein Member  
Union Minister
  - (g) U Zaw Min Member  
Union Minister

(See page 8)

# UPCC AND UPWC



6 Saturday, 6 July, 2013

The New Light of Myanmar

## NATIONAL

Republic of the Union of Myanmar  
President Office  
(Order No.14/2013)  
12<sup>th</sup> Wanning of Nayon, 1375 ME  
(5<sup>th</sup> July, 2013)

### Union Peace-Making Central Committee reformed

The Union Peace-Making Central Committee which was formed with President Office's order No.11/2012 dated 3 May, 2012 and order No.17/2012 dated 16 August, 2012 has been reformed with the following persons:

- |     |                                    |          |
|-----|------------------------------------|----------|
| (1) | U Thein Sein<br>President          | Chairman |
| (2) | Dr Sai Mauk Kham<br>Vice-President | member   |
| (3) | U Nyan Tun<br>Vice-President       | member   |
| (4) | Thura U Shwe Mann                  | member   |

- |      |   |           |
|------|---|-----------|
| (5)  | Pyithu Hluttaw Speaker<br>U Khin Aung Myint               | member    |
| (6)  | Amyotha Hluttaw Speaker<br>Senior General Min Aung Hlaing | member    |
| (7)  | Commander-in-Chief of Defence Services<br>Lt-Gen Ko Ko    | member    |
| (8)  | Union Minister for Home Affairs<br>Lt-Gen Wai Lwin        | member    |
| (9)  | Union Minister for Defence<br>Lt-Gen Thet Naing Win       | member    |
| (10) | Union Minister for Border Affairs<br>Dr Tun Shin          | member    |
| (11) | Attorney-General of the Union<br>U Hla Tun                | secretary |

Sd/ Thein Sein  
President

Republic of the Union of Myanmar

Republic of the Union of Myanmar  
President Office  
(Order No.15/2013)  
12<sup>th</sup> Waning of Nayon, 1375 ME  
(5<sup>th</sup> July, 2013)

### Union Peace Making Work Committee reconstituted

"Union Peace Making Work Committee" which was constituted with the Order No 12/2012 dated on 3 May, 2012, of the President Office has been reconstituted as follows:-

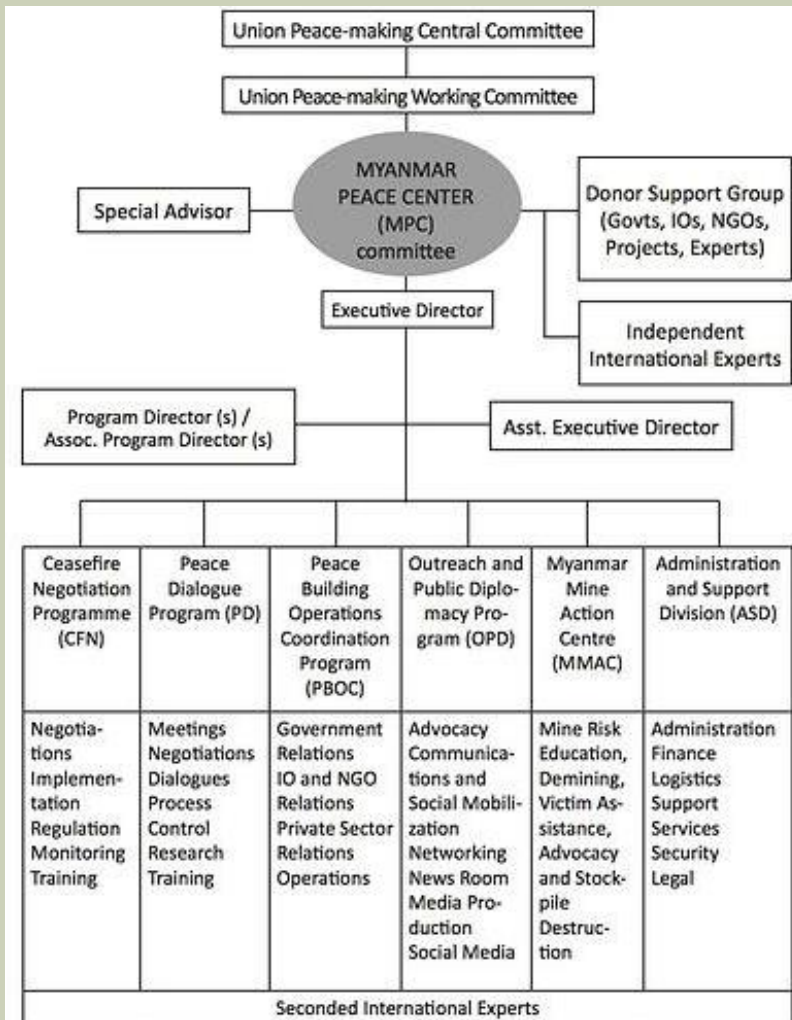
- |     |  |               |
|-----|--|---------------|
| (1) | Dr Sai Mauk Kham<br>Vice-President   | Chairman      |
| (2) | Vice-Senior General Soe Win<br>Vice-Chairman                               |               |
|     | Deputy Commander-in-Chief of Defence Services<br>Commander-in-Chief (Army) |               |
| (3) | U Aung Min<br>Union Minister   | Vice-Chairman |
| (4) | U Thein Zaw<br>Pyithu Hluttaw Representative                               | Vice-Chairman |
| (5) | U Ohn Myint<br>Union Minister  | Member        |
| (6) | U Soe Thane<br>Union Minister  | Member        |
| (7) | U Than Htay  | Member        |

- |      |  |         |
|------|--|---------|
| (b)  | Kachin State Government<br>Chief Minister      |         |
| (c)  | Kayah State Government<br>Chief Minister       |         |
| (d)  | Kayin State Government<br>Chief Minister       |         |
| (e)  | Chin State Government<br>Chief Minister        |         |
| (f)  | Sagaing Region Government<br>Chief Minister    |         |
| (g)  | Taninthayi Region Government<br>Chief Minister |         |
| (h)  | Bago Region Government<br>Chief Minister       |         |
| (i)  | Mon State Government<br>Chief Minister         |         |
| (j)  | Rakhine State Government<br>Chief Minister     |         |
| (k)  | Shan State Government<br>Chief Minister        |         |
| (12) | Commanders from the Tatmadaw                   | Members |
| (a)  | Commander, Northern Command                    |         |
| (b)  | Commander, North-East Command                  |         |
| (c)  | Commander, Eastern Command                     |         |
| (d)  | Commander, Central-East Command                |         |
| (e)  | Commander, Triangle Region<br>Command          |         |
| (f)  | Commander, South-East Command                  |         |
| (g)  | Commander, Coastal Region<br>Command           |         |

(16) Deputy Attorney-General  
Pyithu Hluttaw Representatives of National Races Members

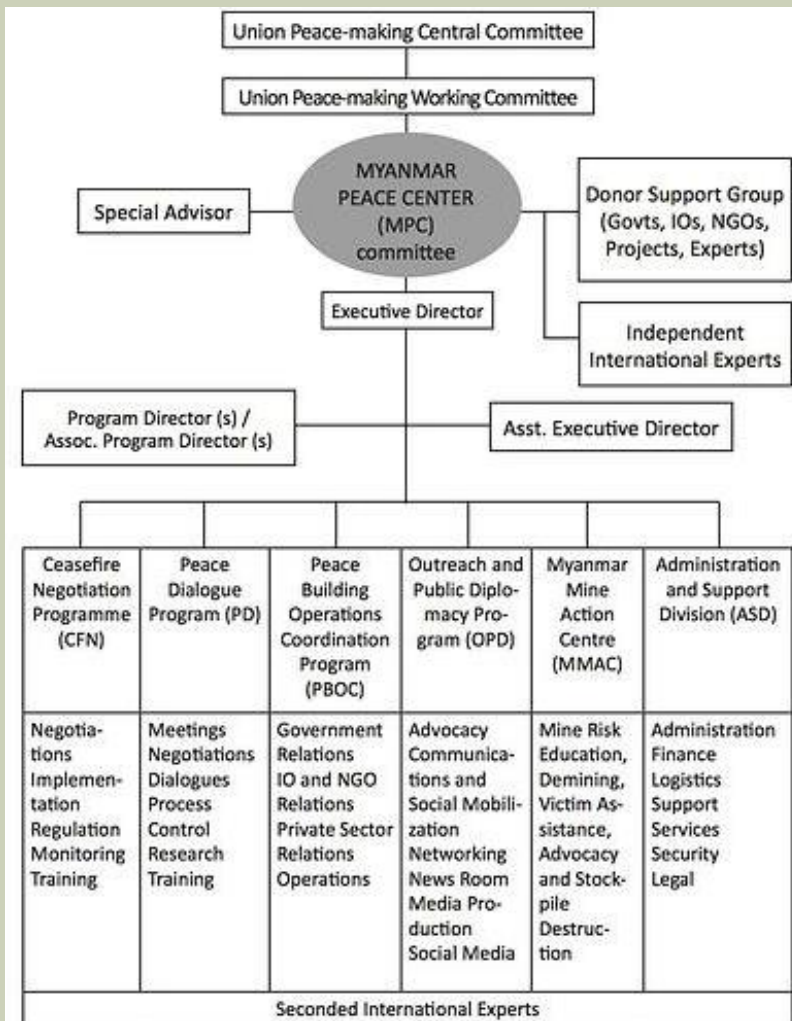
- |     |   |
|-----|---|
| (a) | Daw Dwe Bu<br>Kachin National, Pyithu Hluttaw Representative      |
| (b) | U Soe Yei<br>Kayah National, Pyithu Hluttaw Representative        |
| (c) | U Saw Thein Aung<br>Kayin National, Pyithu Hluttaw Representative |
| (d) | U Khun Lein<br>Chin National, Pyithu Hluttaw Representative       |
| (e) | Daw Mi Yin Chan<br>Mon National, Pyithu Hluttaw Representative    |
| (f) | U Ba Shein<br>Rakhine National, Pyithu Hluttaw Representative     |
| (g) | U Stephen<br>Shan National, Pyithu Hluttaw Representative         |
| (h) | U Hla Tun<br>Naga National, Pyithu Hluttaw Representative         |
| (i) | U Kyin Wam<br>"Wa" National, Pyithu Hluttaw                       |

# FORMATION OF MPC AND STRUCTURE (PHASE I)



- The Myanmar Peace Center (MPC) has been established on 26 October 2012 to serve as the Secretariat to the UPCC and the UPWC. MPC will also serve as a focal point for international partners and civil society organizations on issues related to the peace process.

# FORMATION OF MPC AND STRUCTURE (PHASE II)



- The Myanmar Peace Center (MPC) has been established on 26 October 2012 to serve as the Secretariat to the UPCC and the UPWC. MPC will also serve as a focal point for international partners and civil society organizations on issues related to the peace process.

Proposed  
Geospatial and  
Resource Center

# TECHNOLOGY CONTRIBUTION ACTIVITIES



- Nov 2012 – Mar 2013
  - Yangon Technological University
- Feb 2013 – Mar 2013
  - University of Yangon
- Apr 2013
  - Dagon University
- May 2013
  - Yangon City Development Committee



# DATA CONTRIBUTION ACTIVITIES



- Land cover Mapping for flood risk assessment
  - Landsat 8 satellite images for Bago area
- Chindwin river flood mapping and risk assessment
  - Landsat 8 satellite images for the whole basin

# MAHASEN WARNING



## The New Light of Myanmar

THE MOST RELIABLE NEWSPAPER AROUND YOU

Volume XXI, Number 29 6<sup>th</sup> Waxing of Kason 1375 ME Wednesday, 15 May 2013

**Without racial, religious discrimination, relief works are to be carried out**  
**Life-saving is a must: President**



President U Thein Sein makes an address at coordination meeting for cyclonic storm Mahasen.—MCA

NAY PYI TAW, 14 May—“Natural disaster is unpreventable. It needs to overcome the disaster with least damages through preparedness,” President U Thein Sein said at the coordination meeting for Cyclone Mahasen held at the meeting hall of Union government at the Presidential Palace here this morning.

It was also attended by Vice-President Dr. U Khin Khin and U Mya Thia, the Union minister, deputy minister and departmental heads.

In his opening speech, the President said that the worst on the Cyclone “Mahasen” is likely to cross between the west coast of Rakhine and Bangladesh on 13 and 16 May, has been released. It is difficult to predict the storm as it can turn to the low pressure area. Myanmar had experience of the storm “Nargis” hit in Ayeyawady Region on 2 May, 2008. Necessary preparations are being made as the direction of the storm “Mahasen” is likely to turn to other states and regions. Officials have been instructed to carry out necessary preparations in Magway Region.

These are four-step measures: preparedness before the storm, rescue and relief during the storm, rescue and relief and rehabilitation after the storm.

(See page 8)

Republic of the Union of Myanmar  
 President Office  
 Notification No. (45/2013)  
 5<sup>th</sup> Waxing of Kason, 1375 ME  
 14<sup>th</sup> May, 2013  
**Formation of National Natural Disaster Preparedness Central Committee**

1. Aiming at carrying out preparedness and safety measures for possible danger of natural disaster in the country and ensuring prompt and effective risk response in time of emergency, National Natural Disaster Preparedness Central Committee comprising the following persons was formed as follows:-

(a) Vice-President (2)	Chairman
(b) Union Minister Ministry of Home Affairs	Vice-Chairman
(c) Union Minister Ministry of Social Welfare, Relief and Resettlement	Vice-Chairman
(d) Union Minister Ministry of Defence	Member

(See page 9)

Republic of the Union of Myanmar  
 President Office  
 Notification No. (46/2013)  
 5<sup>th</sup> Waxing of Kason, 1375 ME  
 14<sup>th</sup> May, 2013  
**Formation of National Natural Disaster Preparedness Management Work Committee**

1. National Natural Disaster Preparedness Management Work Committee is formed with the following persons: so as to systematically undertake preparedness measures for natural disaster, to swiftly carry out relief and aid and to implement policies and directives set by National Natural Disaster Preparedness Central Committee.

(a) Union Minister Ministry of Social Welfare, Relief and Resettlement	Chairman
(b) Deputy Minister Ministry of Home Affairs	Vice-Chairman
(c) Deputy Minister Ministry of Social Welfare, Relief and Resettlement	Vice-Chairman
(d) Deputy Minister Ministry of Information	member

(See page 9)

- |  |                 |
|--|-----------------|
| (e) Union Minister<br>Ministry of Border Affairs                             | Member          |
| (f) Union Minister<br>Ministry of Foreign Affairs                            | Member          |
| (g) Union Minister<br>Ministry of Information                                | Member          |
| (h) Union Minister<br>Ministry at the President Office (5)                   | Member          |
| (i) Union Minister<br>Ministry of Agriculture and Irrigation                 | Member          |
| (j) Union Minister<br>Ministry of Livestock and Fisheries                    | Member          |
| (k) Union Minister<br>Ministry of Communications and Information Technology  | Member          |
| (l) Union Minister<br>Ministry of Transport                                  | Member          |
| (m) Union Minister<br>Ministry of Energy                                     | Member          |
| (n) Union Minister<br>Ministry of Commerce                                   | Member          |
| (o) Union Minister<br>Ministry of Education                                  | Member          |
| (p) Union Minister<br>Ministry of Health                                     | Member          |
| (q) Union Minister<br>Ministry of Finance and Revenue                        | Member          |
| (r) Union Minister<br>Ministry of National Planning and Economic Development | Member          |
| (s) Union Minister<br>Ministry of Construction                               | Member          |
| (t) Union Minister<br>Ministry of Rail Transportation                        | Member          |
| (u) Chief Minister<br>All Region/State Governments                           | Member          |
| (v) Deputy Minister<br>Ministry of Social Welfare, Relief and Resettlement   | Secretary       |
| (w) Director-General<br>Union Government Office                              | Joint Secretary |
- (2) Duties and responsibilities of National Natural Disaster Preparedness Central Committee are as follows:-
- To form committees needed for implementation of the work procedures of the central committee, to outline policies on important tasks among various stages of works and to give necessary guidelines after reviewing the work progress.
  - Laying out of policies and directives for the use of domestic forces in the face of natural disaster as necessary.
  - Formulation of basic principles of coordination for the decisions that calls for international assistance.
  - Distribution of State funds and State resources to places which are in need of help.
  - Issuing orders and directives, if necessary, in the aftermath of natural disaster in order to perform relief and management works without having any difficulties and obstacles, to avoid malpractices on relief supplies and to ensure the rule of law, community peace and tranquility.
- Sa/Thein Sein  
 President  
 Republic of the Union of Myanmar

- |   |                 |
|---|-----------------|
| (e) Deputy Minister<br>Ministry of Education  | member          |
| (f) Chairman<br>All Subcommittees   | member          |
| (g) Minister<br>Ministry of Security and Border Affairs<br>All Region/State Governments | member          |
| (h) Director-General<br>Relief and Resettlement Department                              | secretary       |
| (i) Director-General<br>Ministry of Social Welfare, Relief and Resettlement             | Joint secretary |
| (j) Director-General<br>General Administration Department<br>Ministry of Home Affairs   | Joint secretary |
- Natural Disaster Preparedness Management Work Committee is to form the following subcommittees with the appropriate persons.
- Information subcommittee
  - Hotline subcommittee
  - Search and rescue subcommittee
  - Collecting of preliminary damages news and emergency aids subcommittee
  - Confirmation of damages and losses subcommittee
  - Transport and route clearance subcommittee
  - Disaster risk reduction and building of emergency tents subcommittee
  - Healthcare subcommittee
  - Rehabilitation and reconstruction subcommittee
  - Security subcommittee
- Duties of National Disaster Preparedness Management Work Committee are as follows:-
- to implement natural disaster preparedness management works such as disaster risk reduction, preparedness, reliefs, rehabilitations and reconstruction in line with policies, directives and procedures set by National Disasters Preparedness Central Committee
  - to manage local aids for relief, resettlement and reconstruction and foreign aids when National Disasters Preparedness Central Committee assigns duties to encourage mass participation in natural disasters preparedness educative programme and tasks
  - to occasionally report Management Work Committee's undertakings to National Disasters Preparedness Central Committee
  - to set up natural disasters forecasting system and the early warning system and to distribute news to the grass-root level in time when the warning is received from the warning system
  - to assign duties to departments and organizations according to the size of natural disasters
  - to supervise undertakings of Subcommittees and to coordinate Subcommittees
  - to supervise works of subcommittees and coordinate their tasks
  - to report Management Committee's progresses to the Chairman of the Central Committee quarterly
  - to supervise relief and resettlements in case of natural disasters
- Sa/Thein Sein  
 President  
 Republic of the Union of Myanmar



# MAHASSEN WARNING



## State is taking care of victims on humanitarian ground, without racial and religious discriminations



Chairman of National Natural Disaster Preparedness Central Committee Vice-President U Nyan Tun makes address in meeting with officials.—MNA

Nay Pyi Taw, 15 May—National Natural Disaster Preparedness Central Committee meeting was held at the meeting hall of An Station of Rakhine State this morning, with an address by Chairman of National Natural Disaster Preparedness Central Committee Vice-President U Nyan Tun.

In his address, the Vice-President said that National Natural Disaster Preparedness Central Committee and National Natural Disaster Preparedness Management Committee were formed with the aims of carrying out natural disasters preventive

measures and relief and aids programme. He met with the Rakhine State chief minister and members and officials from departments, social organizations and UN agencies and UNHCR while visiting temporary relief camps in Sitwary yesterday. Arrangements are being made to move the victims to the makeshift camps to safer quarters, warehouses and workshops. Those places have been provided with food and health care. Officials from the relief camps and UNHCR have visited those places and were satisfied with the arrangements. He continued that he urged the officials to quickly move

the victims to the safer places arranged by the government and to prioritize the evacuation of the aged, child and the sick.

In the face of natural disasters, the State is taking care of the victims on humanitarian ground, without racial and religious discriminations. Victims need to follow government's measures without any fears. What the most important thing is to avoid casualties.

Cyclone "Mahasen" is going to cross the regions near Chittagong of Bangladesh soon. Sitwary and Maungtaw townships will experience the impact

of the storm the most. It needs to move people there to safer places quickly. It is impossible to reduce disaster level to zero and needs to make efforts for minimum damages.

After that, Union Minister Lt-Gen Thein Naing Win reported the evacuation of people. Union Minister U Aye Myint assistants provide relief socio-economic development of local people in Rakhine State. Secretary of the Central Committee Deputy Minister U Phone Swe and Subcommittee Chairmen Deputy Ministers, their respective sectors.

Afterwards, Lt-Gen Hla Min from the Office of Commander-in-Chief

(Army) and Commander of Western Command Major-Gen Ko Ko Naing presented the reports on Laimadaw's participation in preparedness and assistance to be given in the aftermath of the storm.

State Government has made necessary arrangements for swift move of victims to safer places, as the victims in the makeshift camps delay and fear to move to other places.—MNA

### Cyclone warning

Nay Pyi Taw, 15 May—According to the observations at 8:30 pm M.S.T today, Cyclonic Storm (MAHASSEN) over West central Bay of Bengal is centered at about (270) miles southwest of Maungtaw, (280) miles southwest of Sitwary and (300) miles west of Kyaukyu (Myanmar), (260) miles south of Kolkata (India). It is forecast to move Northeast wards and likely to cross between Chittagong (Bangladesh) and Maungtaw (Myanmar) next (18) hrs commencing this evening.

Current stage of Cyclonic Storm (MAHASSEN) is coded as Red emergency color, it means cyclone is moving toward between Bangladesh and Northern Rakhine coasts.

Maximum wind speed is estimated to be (60) mph, gusting (70) mph during landfall time. And probable maximum storm surge of about (6) to (10) feet in Maungtaw district, (6) to (8) feet in Sitwary district and (4) to (6) feet in Kyaukyu district.

Isolated heavy fall are likely in Sagaing, Mandalay, Magway, Bago, Yangon and Ayeyawady Regions, Kachin, Chin and Rakhine States. Due to heavy fall, landslide and flash floods may occur over the hilly regions.

Frequent squalls with rough sea will be experienced Delata, Gulf of Mottama, off and along Rakhine Coasts. Surface wind speed in squalls may reach (60-70) mph. All fishing boats, ships and vessels are advised to remain for safety.—MNA



## Press conference on preparations for cyclonic storm "Mahasen" held

Nay Pyi Taw, 15 May—"Proper preparations have been undertaken to overcome the possible danger of unpreventable natural disaster with least damage and casualties, taking lessons from cyclonic storm "Nargis". In accord with the guidance given by the President, humanitarian assistance will be provided to everyone, regardless of race and religion. All undertakings will be carried out in transparency." Union Minister U Aung Min said at the press conference held at Myanmar Peace Centre on Sitweli Street, here, this morning.

Next, the Union minister explained evacuation of local people in townships under the threat of cyclonic storm "Mahasen" in Rakhine State.

Then diplomats, responsible persons of



Union Minister U Aung Min addresses press conference on preparations for cyclonic storm Mahasen.—MNA

UN agencies and NGOs suggested matters to make continuation in the face of the natural disaster.

Afterwards, Union Minister at President Office U Tin Naing Thain elaborated on evacuation works. Deputy Minister for Foreign Affairs U Thant Kyaw, coordinate with international organizations,

and deputy ministers answered the queries raised by media men.

Then, Yangon Region Chief Minister U Myint Swe made a supplementary explanation on serious measures being undertaken taking lesson from the experiences given by "Nargis".

MNA

# MA HA SAN CYCLONE PREPAREDNESS PRESS RELEASE



# MA HA SAN CYCLONE PREPAREDNESS PRESS RELEASE



■ 2013 May 15





# MA HA SAN CYCLONE PREPAREDNESS PRESS RELEASE



■ 2013 May 15



# MA HA SAN CYCLONE PREPAREDNESS PRESS RELEASE



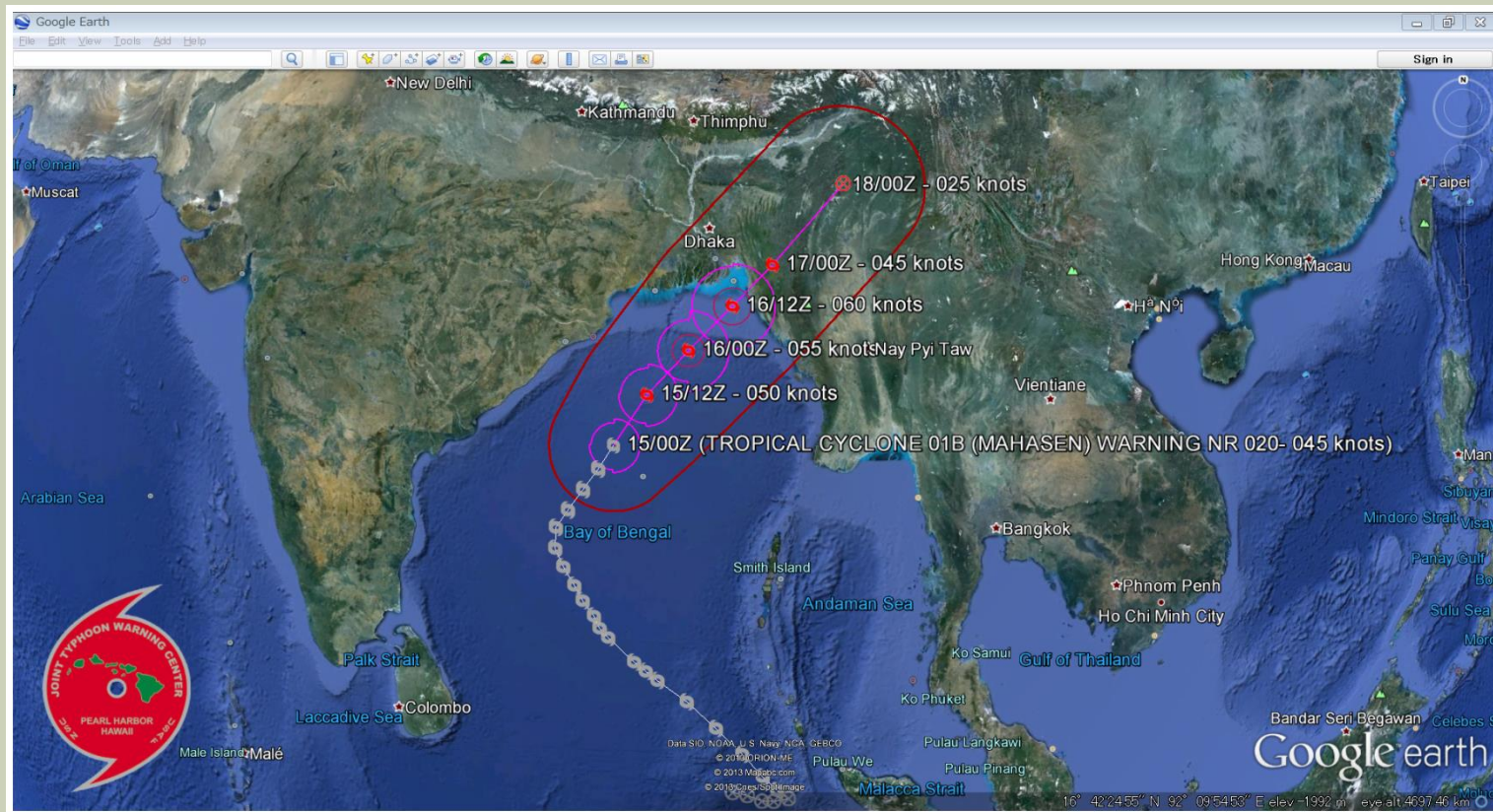


# DATA USED FOR MA HA SAN



- Joint Typhoon Warning Center (JTWC)
  - Path tracking
  
- KALPANA-1 (India Weather Satellite)
  - Cloud Movement
  
- MTSAT (Japanese Satellite)
  - Cloud Movement


# DATA USED FOR MA HA SAN




# HTTP://202.54.31.51/HWRF/01B.HTM



Most Visited Getting Started Bookmarks



**India Meteorological Department**  
**Numerical Weather Prediction (NWP) Centre**  
 IMD HURRICANE-WRF (HWRF) PROJECT



### CYCLONIC STORM - MAHASEN ( 01B )

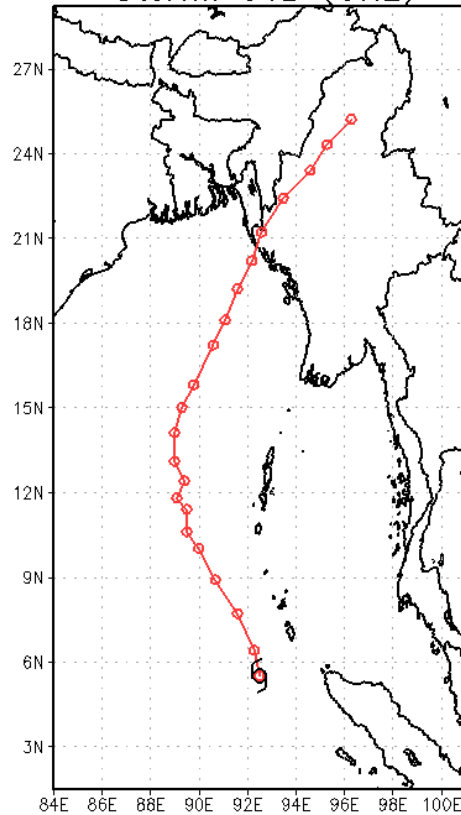
Experiment	Track/Intensity Forecast				850 hPa Streamlines & Isotachs		SWATHS		SLP and 10m Winds	Cross Sections (Nest)		Simulated Satellite & Microwave Images				EMC Module Plots			Add'l Diagnostics (outer domain)				
	Track	Max Winds	MSLP	ATCF	Combined Domain	Moving Grid (Nest)	SWATHS RAIN	SWATHS 10m Wind	SLP and 10m Winds (Nest)	Zonal Wind(N-S)	Meridional Wind	IR	WV	37 GHz	89 GHz	Vertical X-Sect.	Sfc Wind Field	Moisture X-Sect.	Wind shear	Vorticity 850 hPa	Vorticity 500 hPa	Divg. 200hPa	Add'l Prods
01B.2013051012	Track	Max Winds	MSLP	ATCF	Combined Domain	Moving Grid (Nest)	SWATHS RAIN	SWATHS 10m Wind	SLP and 10m Winds (Nest)	Zonal Wind(N-S)	Meridional Wind	IR	WV	37 GHz	89 GHz	Vertical X-Sect.	Sfc Wind Field	Moisture X-Sect.	Wind shear	Vorticity 850 hPa	Vorticity 500 hPa	Divg. 200hPa	Add'l Prods
01B.2013051100	Track	Max Winds	MSLP	ATCF	Combined Domain	Moving Grid (Nest)	SWATHS RAIN	SWATHS 10m Wind	SLP and 10m Winds (Nest)	Zonal Wind(N-S)	Meridional Wind	IR	WV	37 GHz	89 GHz	Vertical X-Sect.	Sfc Wind Field	Moisture X-Sect.	Wind shear	Vorticity 850 hPa	Vorticity 500 hPa	Divg. 200hPa	Add'l Prods
MAHASEN01B.2013051112	Track	Max Winds	MSLP	ATCF	Combined Domain	Moving Grid (Nest)	SWATHS RAIN	SWATHS 10m Wind	SLP and 10m Winds (Nest)	Zonal Wind(N-S)	Meridional Wind	IR	WV	37 GHz	89 GHz	Vertical X-Sect.	Sfc Wind Field	Moisture X-Sect.	Wind shear	Vorticity 850 hPa	Vorticity 500 hPa	Divg. 200hPa	Add'l Prods
MAHASEN01B.2013051200	Track	Max Winds	MSLP	ATCF	Combined Domain	Moving Grid (Nest)	SWATHS RAIN	SWATHS 10m Wind	SLP and 10m Winds (Nest)	Zonal Wind(N-S)	Meridional Wind	IR	WV	37 GHz	89 GHz	Vertical X-Sect.	Sfc Wind Field	Moisture X-Sect.	Wind shear	Vorticity 850 hPa	Vorticity 500 hPa	Divg. 200hPa	Add'l Prods
MAHASEN01B.2013051212	Track	Max Winds	MSLP	ATCF	Combined Domain	Moving Grid (Nest)	SWATHS RAIN	SWATHS 10m Wind	SLP and 10m Winds (Nest)	Zonal Wind(N-S)	Meridional Wind	IR	WV	37 GHz	89 GHz	Vertical X-Sect.	Sfc Wind Field	Moisture X-Sect.	Wind shear	Vorticity 850 hPa	Vorticity 500 hPa	Divg. 200hPa	Add'l Prods
MAHASEN01B.2013051300	Track	Max Winds	MSLP	ATCF	Combined Domain	Moving Grid (Nest)	SWATHS RAIN	SWATHS 10m Wind	SLP and 10m Winds (Nest)	Zonal Wind(N-S)	Meridional Wind	IR	WV	37 GHz	89 GHz	Vertical X-Sect.	Sfc Wind Field	Moisture X-Sect.	Wind shear	Vorticity 850 hPa	Vorticity 500 hPa	Divg. 200hPa	Add'l Prods
MAHASEN01B.2013051312	Track	Max Winds	MSLP	ATCF	Combined Domain	Moving Grid (Nest)	SWATHS RAIN	SWATHS 10m Wind	SLP and 10m Winds (Nest)	Zonal Wind(N-S)	Meridional Wind	IR	WV	37 GHz	89 GHz	Vertical X-Sect.	Sfc Wind Field	Moisture X-Sect.	Wind shear	Vorticity 850 hPa	Vorticity 500 hPa	Divg. 200hPa	Add'l Prods
MAHASEN01B.2013051400	Track	Max Winds	MSLP	ATCF	Combined Domain	Moving Grid (Nest)	SWATHS RAIN	SWATHS 10m Wind	SLP and 10m Winds (Nest)	Zonal Wind(N-S)	Meridional Wind	IR	WV	37 GHz	89 GHz	Vertical X-Sect.	Sfc Wind Field	Moisture X-Sect.	Wind shear	Vorticity 850 hPa	Vorticity 500 hPa	Divg. 200hPa	Add'l Prods

Find: sea grass    Next Previous Highlight all Match case Reached end of page, continued from top

# MAY 10



HWRF 2013: Hurricane WRF  
Tropical Cyclone Track (06 hour interval)  
Storm: 01B (ONE)



Forecasts Beginning: 2013051012

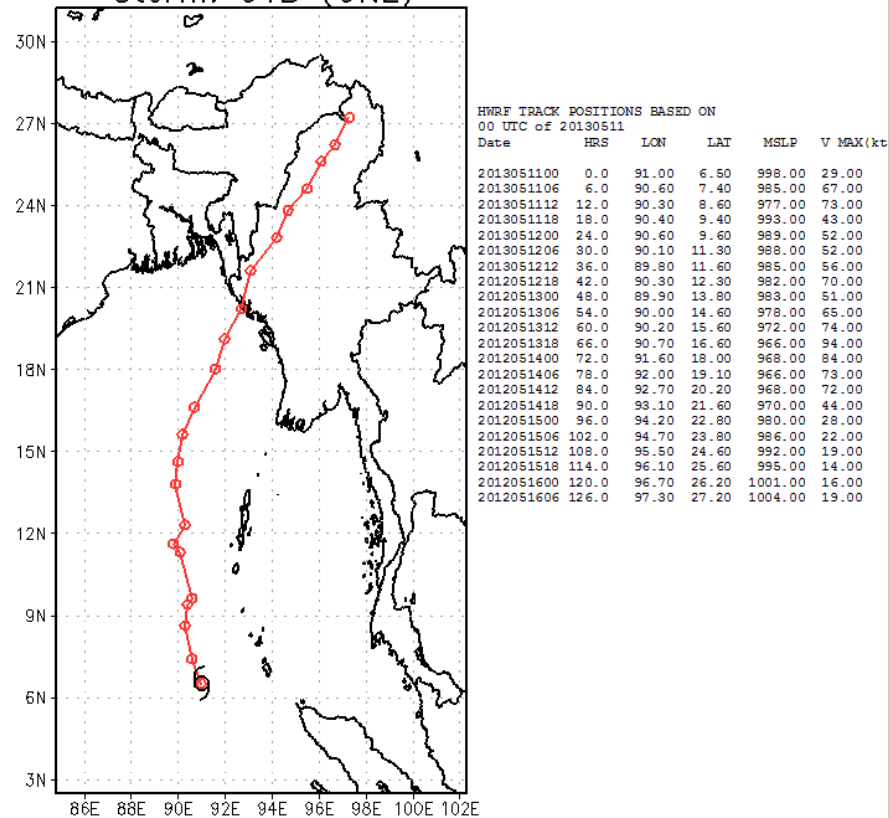
[IMD-NCEP Hurricane Forecast Project](#)

**WRF = Weather Research and Forecasting**

# MAY 11



## HWRF 2013: Hurricane WRF Tropical Cyclone Track (06 hour interval) Storm: 01B (ONE)



Forecasts Beginning: 2013051100

IMD-NCEP Hurricane Forecast Project

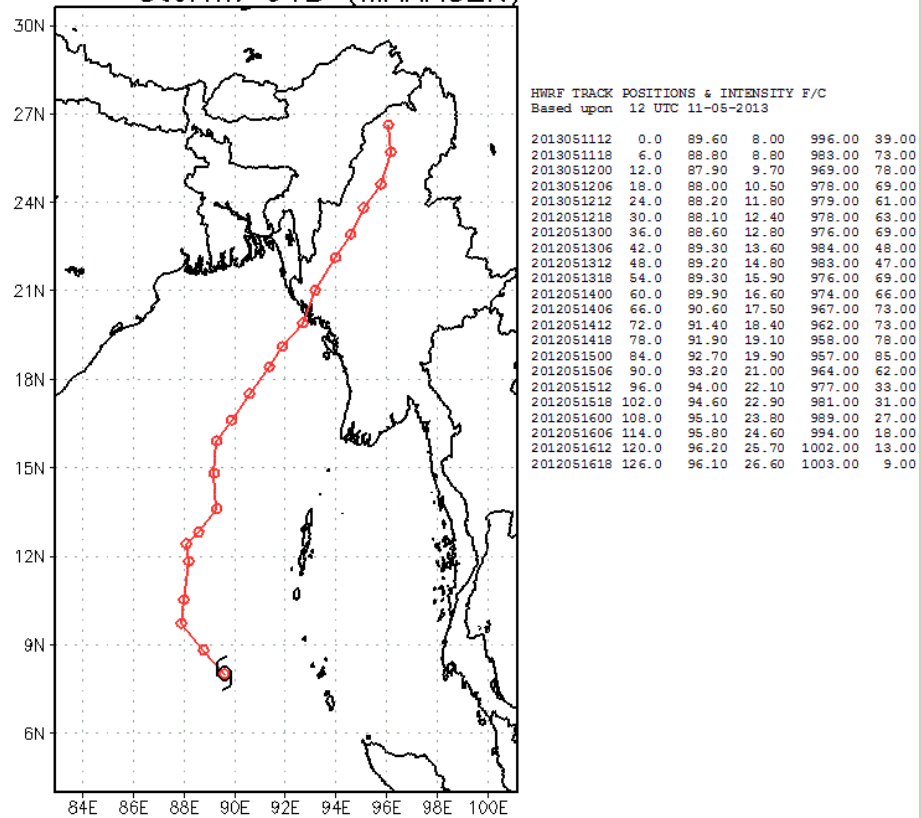
**WRF = Weather Research and Forecasting**



# MAY 11



## HWRP 2013: Hurricane WRF Tropical Cyclone Track (06 hour interval) Storm: 01B (MAHA SEN)



Forecasts Beginning: 2013051112

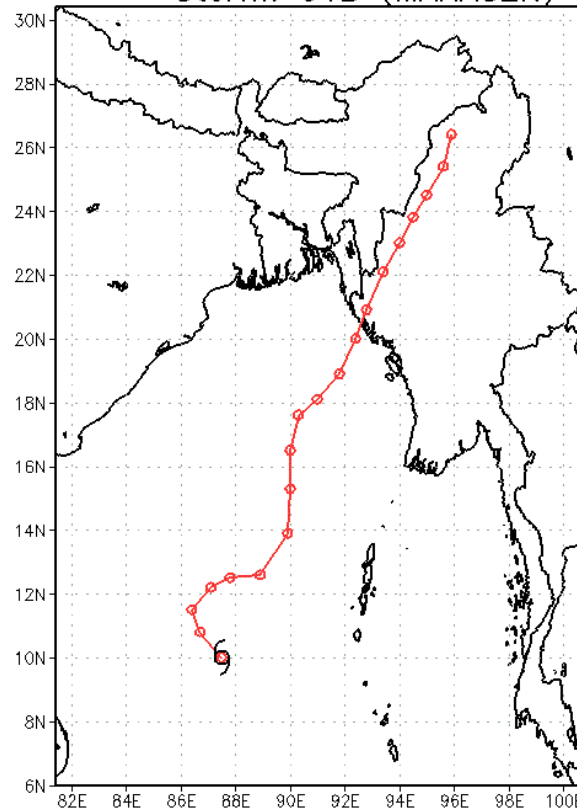
IMD-NCEP Hurricane Forecast Project

**WRF = Weather Research and Forecasting**

# MAY 12



HWRF 2013: Hurricane WRF  
Tropical Cyclone Track (06 hour interval)  
Storm: 01B (MAHASEN)



HWRF TRACK POSITIONS & INTENSITY F/C				
0.0	87.50	10.00	996.00	50.00
6.0	86.70	10.80	977.00	70.00
12.0	86.40	11.50	969.00	86.00
18.0	87.10	12.20	980.00	72.00
24.0	87.80	12.50	980.00	60.00
30.0	88.90	12.60	982.00	65.00
36.0	89.90	13.90	984.00	42.00
42.0	90.00	15.30	985.00	50.00
48.0	90.00	16.50	981.00	65.00
54.0	90.30	17.60	976.00	52.00
60.0	91.00	18.10	973.00	73.00
66.0	91.80	18.90	967.00	66.00
72.0	92.40	20.00	967.00	69.00
78.0	92.80	20.90	968.00	59.00
84.0	93.40	22.10	981.00	31.00
90.0	94.00	23.00	984.00	32.00
96.0	94.50	23.80	991.00	27.00
102.0	95.00	24.50	996.00	16.00
108.0	95.60	25.40	1002.00	11.00
114.0	95.90	26.40	1002.00	9.00

Forecasts Beginning: 2013051200

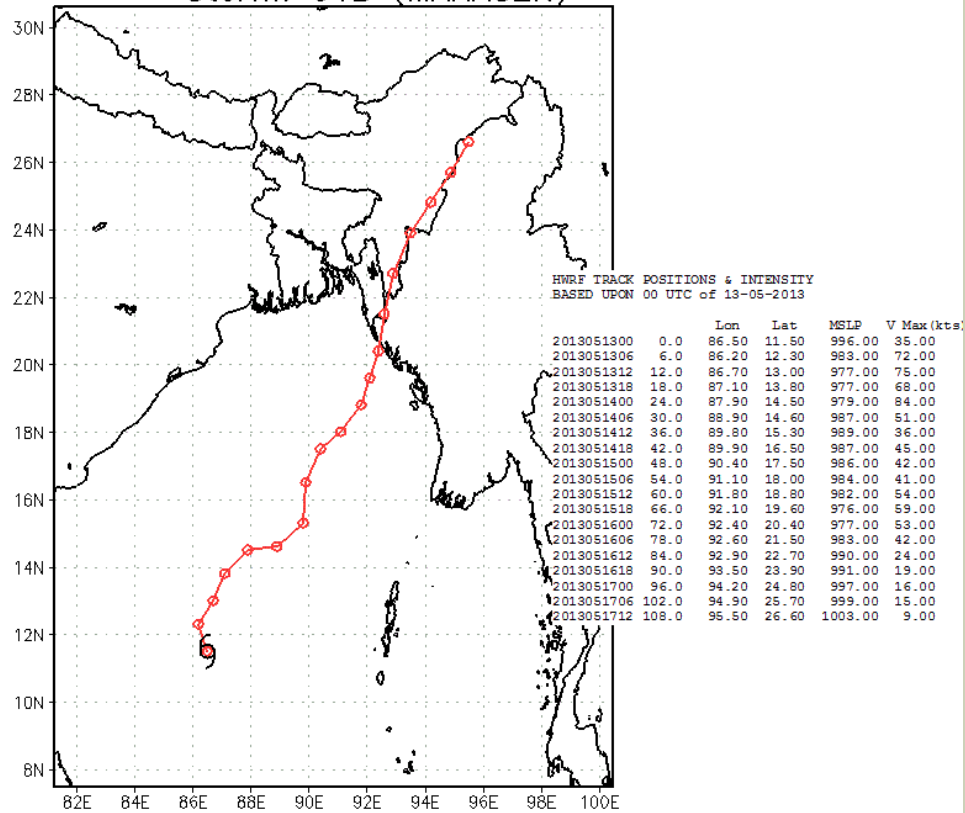
IMD-NCEP Hurricane Forecast Project

**WRF = Weather Research and Forecasting**

# MAY 13



HWRF 2013: Hurricane WRF  
Tropical Cyclone Track (06 hour interval)  
Storm: 01B (MAHASSEN)



Forecasts Beginning: 2013051300

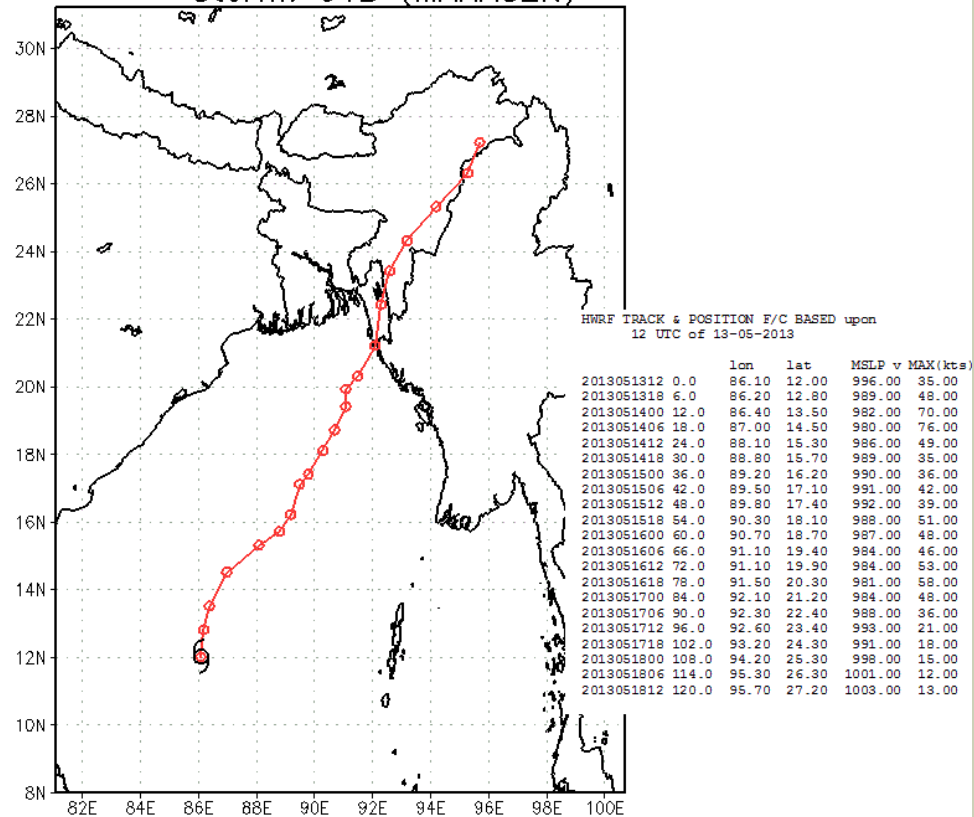
IMD-NCEP Hurricane Forecast Project

**WRF = Weather Research and Forecasting**

# MAY 13



## HWRF 2013: Hurricane WRF Tropical Cyclone Track (06 hour interval) Storm: 01B (MAHASSEN)



Forecasts Beginning: 2013051312

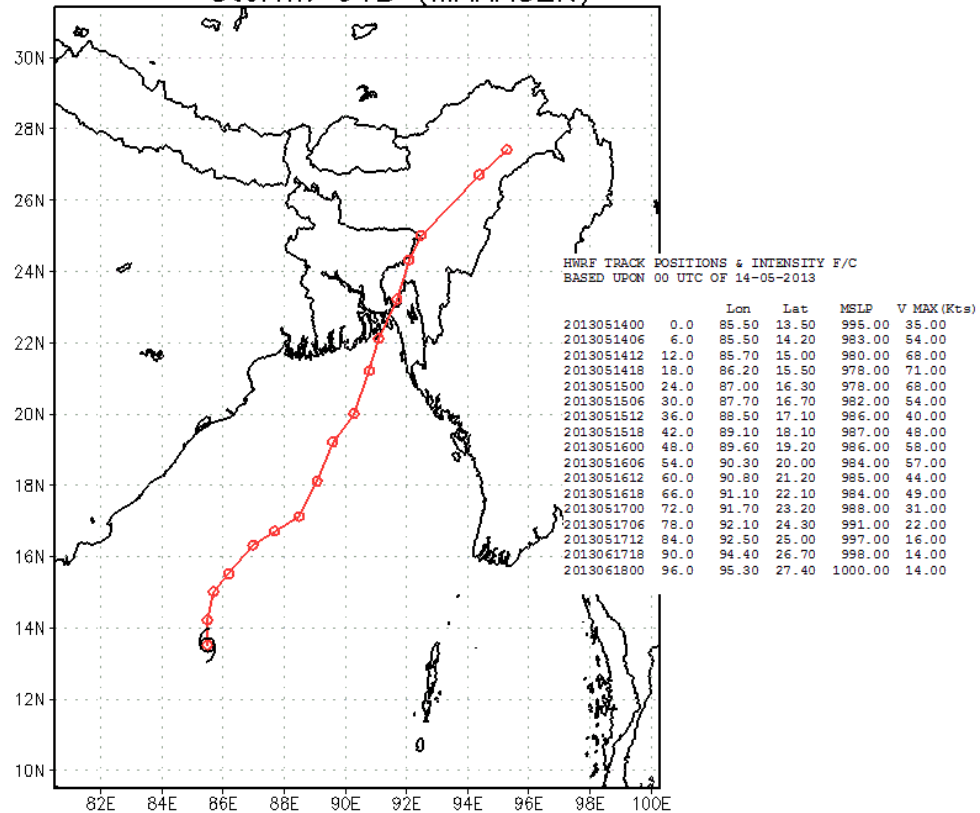
UMD-NCEP Hurricane Forecast Project

**WRF = Weather Research and Forecasting**

# MAY 14



HWRF 2013: Hurricane WRF  
Tropical Cyclone Track (06 hour interval)  
Storm: 01B (MAHASEN)



Forecasts Beginning: 2013051400

IMD-NCEP Hurricane Forecast Project

**WRF = Weather Research and Forecasting**



# NATURAL DISASTER EMERGENCY CONTACT



- 067412056
- 067412070
- Mahasen.mofamyanmar@gmail.com
- U Ye Htut 067412322, 095034508
- U Kyaw Soe – 098601260,
- U Thet Swe 098306358, kokothet29@gmail.com
- yehtut.moi.myanmar@gmail.com

# WHY WE NEED DATA ANALYSIS NODE?



- To provide analysis data to
  - Support related line government department, INGO, NGO
  - Planner
  - Disaster Manager
  - Support disaster relief teams
  - Civilian
  - Public
- To support disaster related research activities
  - Research students
  - Freeland researchers

**Thank you very much for your  
attention!**

**END**