



**Government of India  
Ministry of Earth Sciences  
India Meteorological Department**

**Press Release.  
Date: 08<sup>th</sup> October, 2023  
Time of Issue: 1300 hours IST**

**Subject: Heavy to very heavy rainfall likely to continue over Meghalaya during next 24 hours and reduction thereafter**

**Rainfall recorded during past 24 hours ending at 0830 hours IST of today, the 07<sup>th</sup> October, 2023 is given in Annexure I:**

**Withdrawal of Southwest Monsoon: (Annexure III)**

- ❖ Conditions are becoming favourable for further withdrawal of Southwest Monsoon from remaining parts of East Uttar Pradesh, East Madhya Pradesh; some parts of Bihar, Jharkhand, Gangetic West Bengal, Odisha, Chhattisgarh, Telangana; and some more parts of Maharashtra and Central Arabian Sea during next 2 days.

**Significant Weather features:**

- ❖ A north-south trough runs from Sikkim to north coastal Odisha across central parts of Bangladesh in lower tropospheric levels.
- ❖ Another trough runs from central parts of Chhattisgarh to south Tamil Nadu across Telangana and interior Karnataka in lower tropospheric levels.

**Weather warnings for next 5 days (Graphics in Annexure II)**

**Northeast India:** Light to moderate rainfall at many places with isolated **heavy rainfall** accompanied with thunderstorm & lightning very likely over Arunachal Pradesh and Assam & Meghalaya on 08<sup>th</sup> & 09<sup>th</sup> October and over Nagaland, Manipur, Mizoram & Tripura on 08<sup>th</sup> October and reduction thereafter. **Extremely heavy rainfall very likely at isolated places over Meghalaya on 08<sup>th</sup> October.**

**East India:** Light to moderate rainfall at many places with isolated **heavy rainfall** accompanied with thunderstorm & lightning very likely over Sub-Himalayan West Bengal & Sikkim on 08<sup>th</sup> & 09<sup>th</sup> October and reduction thereafter.

**South India:** Light to moderate rainfall at some places with isolated **heavy rainfall** accompanied with thunderstorm & lightning very likely over Tamil Nadu during 08<sup>th</sup>-11<sup>th</sup>; South Interior Karnataka during 08<sup>th</sup>-10<sup>th</sup> and Kerala during 09<sup>th</sup>-12<sup>th</sup> October.

**Northwest India:** Light rainfall at some places accompanied with thunderstorm & lightning at isolated places very likely over Himachal Pradesh and Uttarakhand on 09<sup>th</sup> October.

**Central & West India:** No significant weather over the region during next 5 days.

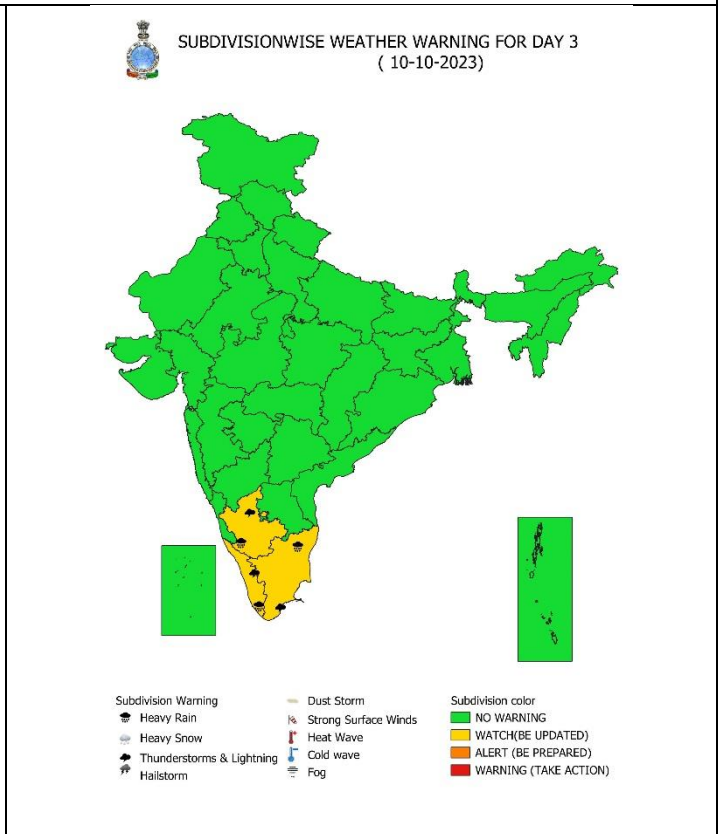
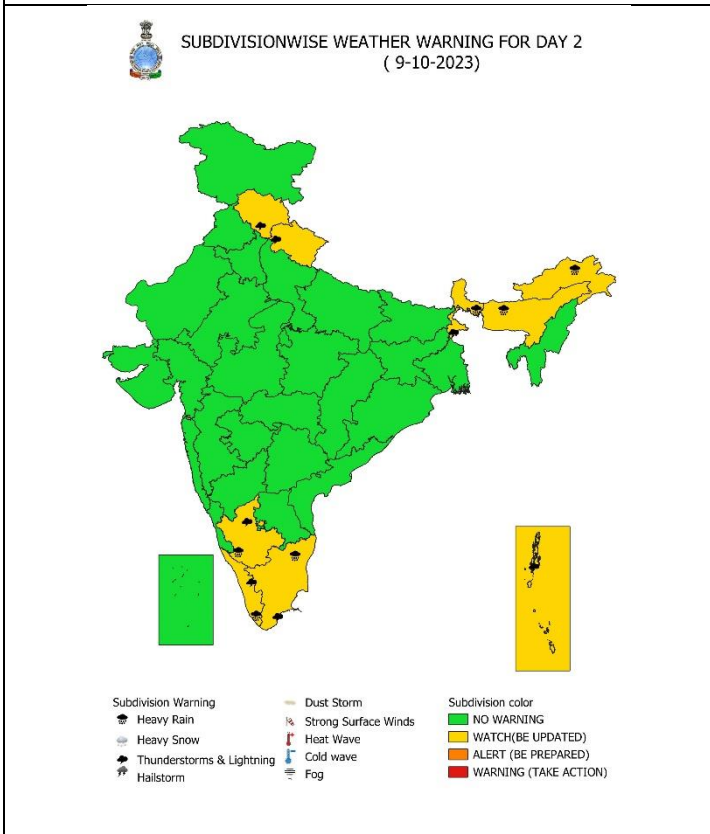
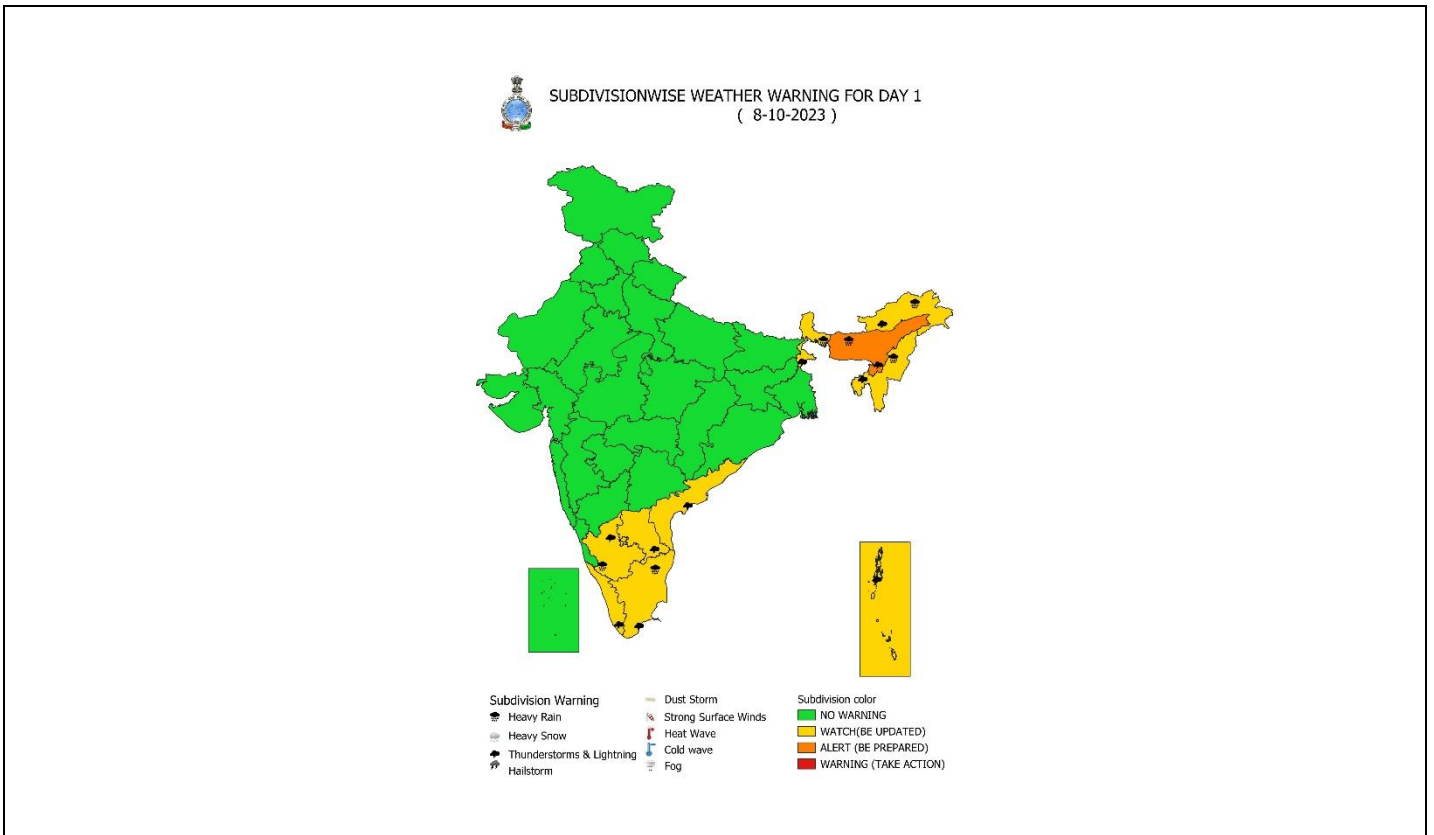
For more details kindly refer: [https://mausam.imd.gov.in/responsive/all\\_india\\_forecast\\_bulletin.php](https://mausam.imd.gov.in/responsive/all_india_forecast_bulletin.php)

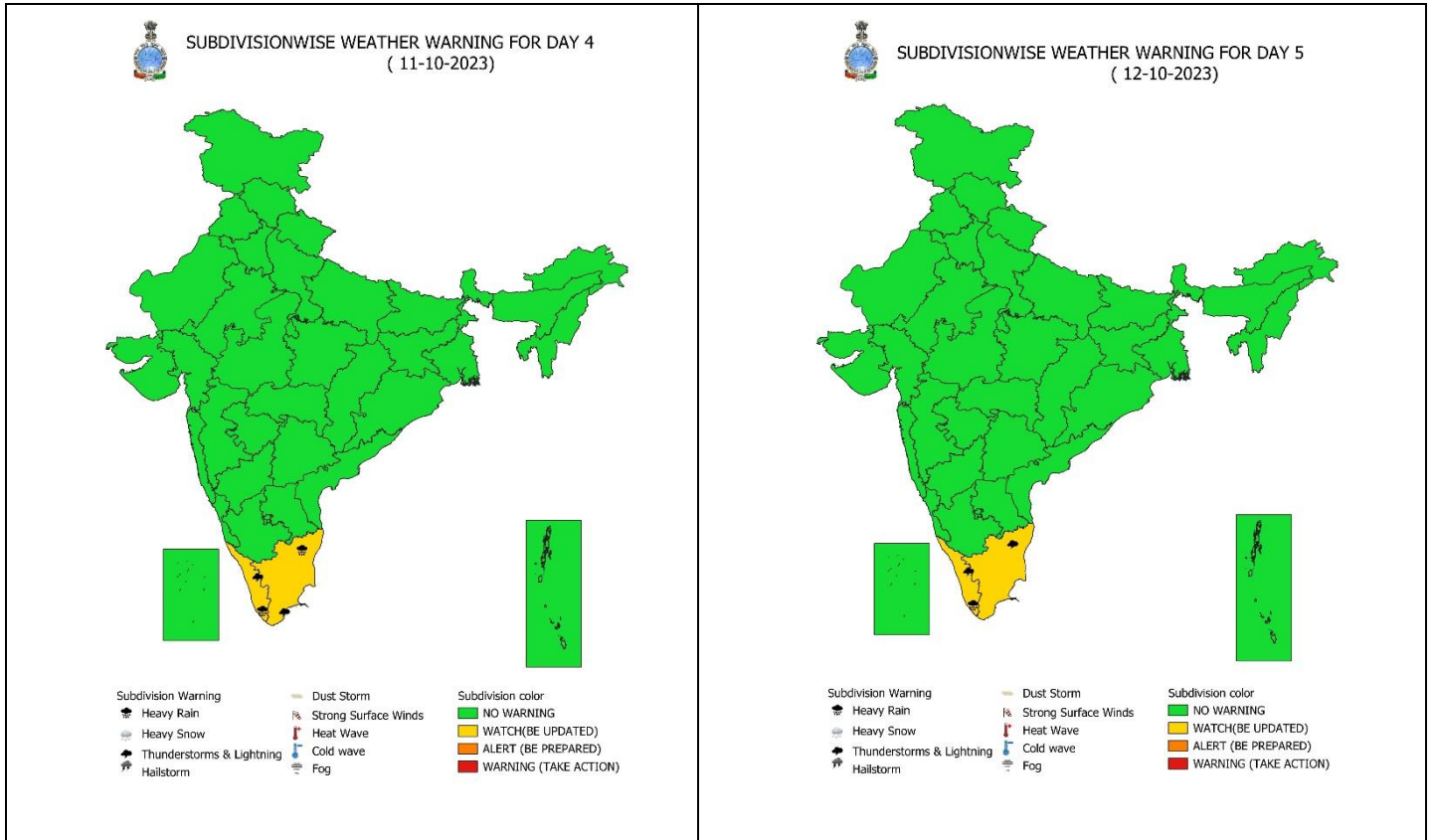
## Annexure I

### Rainfall observations: (from 0830 hours IST of yesterday to 0830 hours IST of today, the 08<sup>th</sup> October, 2023):

- ❖ **Heavy to very heavy rainfall at a few places with extremely heavy falls** at isolated places over Meghalaya and **heavy rainfall** at isolated places over Odisha, Sub-Himalayan West Bengal, Bihar, Tamil Nadu.
- ❖ **Significant rainfall recorded (in cm):**
  - **Meghalaya:** Pynursla (dist. East Khasi Hills-EKH) 25, Mawsynram (dist. EKH) 21, Sohra (dist. EKH) 19, RKM Sohra (dist. EKH) 19, Khliehriat (dist. East Jaintia Hills-EJH) 14, Khliehriat ARG (dist. EJH) 13, Mawkyrwat (dist. Southwest Khasi Hills-SWKH) 13, Mawphlang (dist. EKH) 9, Tura KVK (dist. West Garo Hills-WGH) 7.
  - **Odisha:** Rengali (dist Angul) 9, Rajghat (dist Balasore) 8.
  - **Sub-Himalayan West Bengal:** Rongo (dist Darjeeling) 7.
  - **Bihar:** Samastipur (dist Samastipur) 8.
  - **Tamilnadu:** Elumalai (dist Madurai) 10.

**Obsy:** Observatory; **AWS:** Automatic Weather Station; **dist:** District; **NH:** National Highway; **KVK:** Krishi Vigyan Kendra; **DVC:** Damodar Valley Corporation





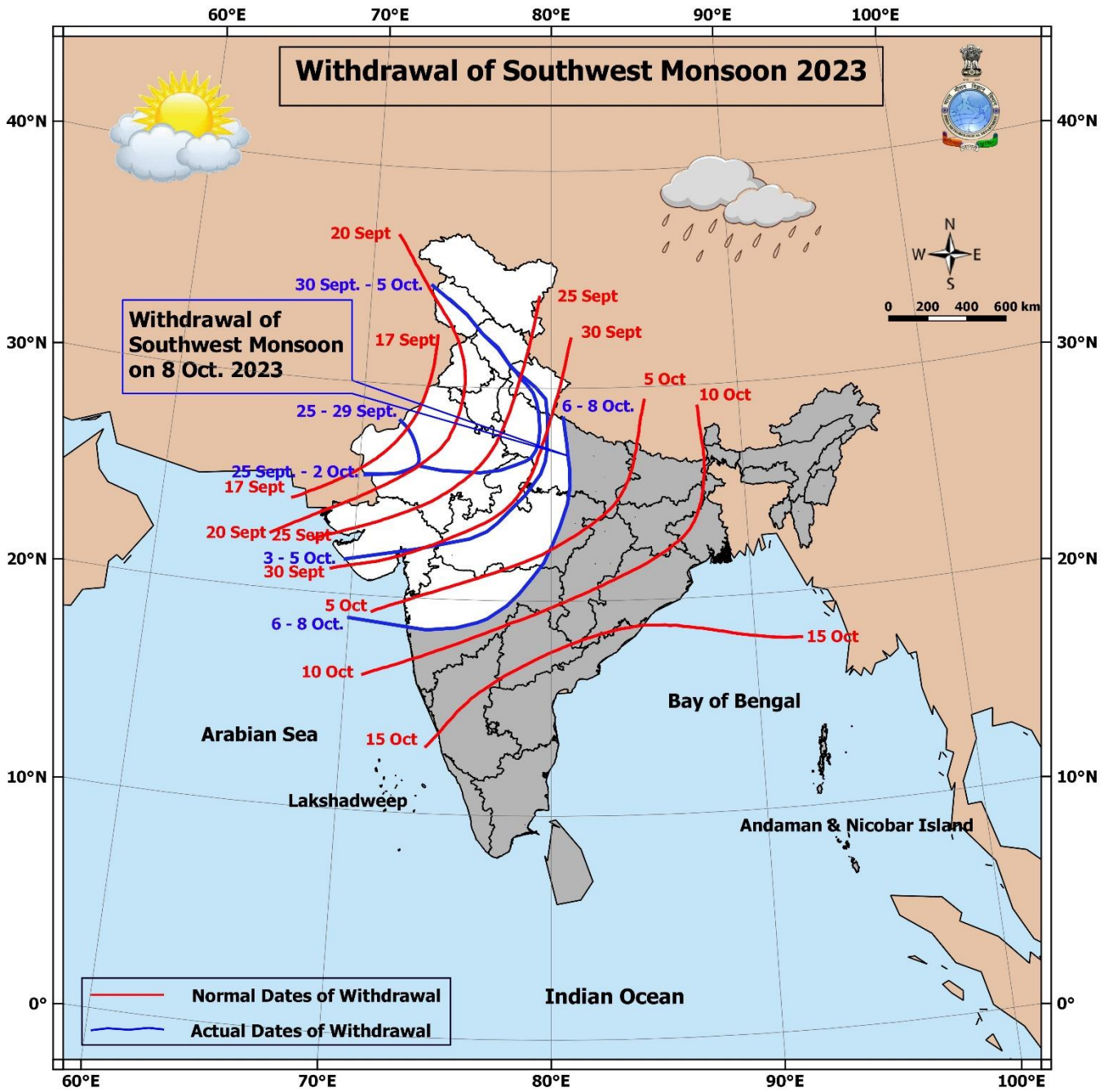
**Impact & Action Suggested due to very heavy rainfall/extremely heavy rainfall over Meghalaya on 08<sup>th</sup> October, 2023.**

### A. Impact Expected

- ❖ Localized Flooding of roads, water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- ❖ Occasional reduction in visibility due to heavy rainfall.
- ❖ Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- ❖ Minor damage to kutcha roads.
- ❖ Possibilities of damage to vulnerable structure.
- ❖ Localized Landslides/Mudslides in the hilly areas.
- ❖ Damage to horticulture and standing crops in some areas due to inundation.
- ❖ It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC).

### B. Action Suggested

- ❖ Check for traffic congestion on your route before leaving for your destination.
- ❖ Follow any traffic advisories that are issued in this regard.
- ❖ Avoid going to areas that face the water logging problems often.
- ❖ Avoid staying in vulnerable structure



**Legends:**

- ❖ **Heavy Rain:** 64.5 to 115.5 mm; **Very Heavy Rain:** 115.6 to 204.4 mm; **Extremely Heavy Rain:** >204.4mm.
- ❖ **AWS:** Automatic Weather Station
- ❖ **Region wise classification of meteorological Sub-Divisions:**
  - **Northwest India:** Western Himalayan Region (Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and Uttarakhand); Punjab, Haryana-Chandigarh-Delhi; West Uttar Pradesh, East Uttar Pradesh, West Rajasthan and East Rajasthan.
  - **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
  - **East India:** Bihar, Jharkhand, Sub-Himalaya West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
  - **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
  - **West India:** Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathwada.
  - **South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

<b>SPATIAL DISTRIBUTION</b> (% of Stations reporting)			
% Stations	Category	% Stations	Category
76-100	Widespread (WS/ Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)

Subdivision Warning	Dust Storm	Subdivision color
Heavy Rain	Strong Surface Winds	NO WARNING
Heavy Snow	Heat Wave	WATCH (BE UPDATED)
Thunderstorms & Lightning	Cold wave	ALERT (BE PREPARED)
Hailstorm	Fog	WARNING (TAKE ACTION)

<b>Probabilistic Forecast</b>	
Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75

<b>Flash Flood Risk</b>	
High Risk (Take Action)	
Moderate Risk (Be Prepared)	
Low Risk (Be Updated)	