



No. F.2 (E)/2023-NDMA (TC Alert-VIII)
Government of Pakistan
Prime Minister's Office
National Disaster Management Authority
Islamabad



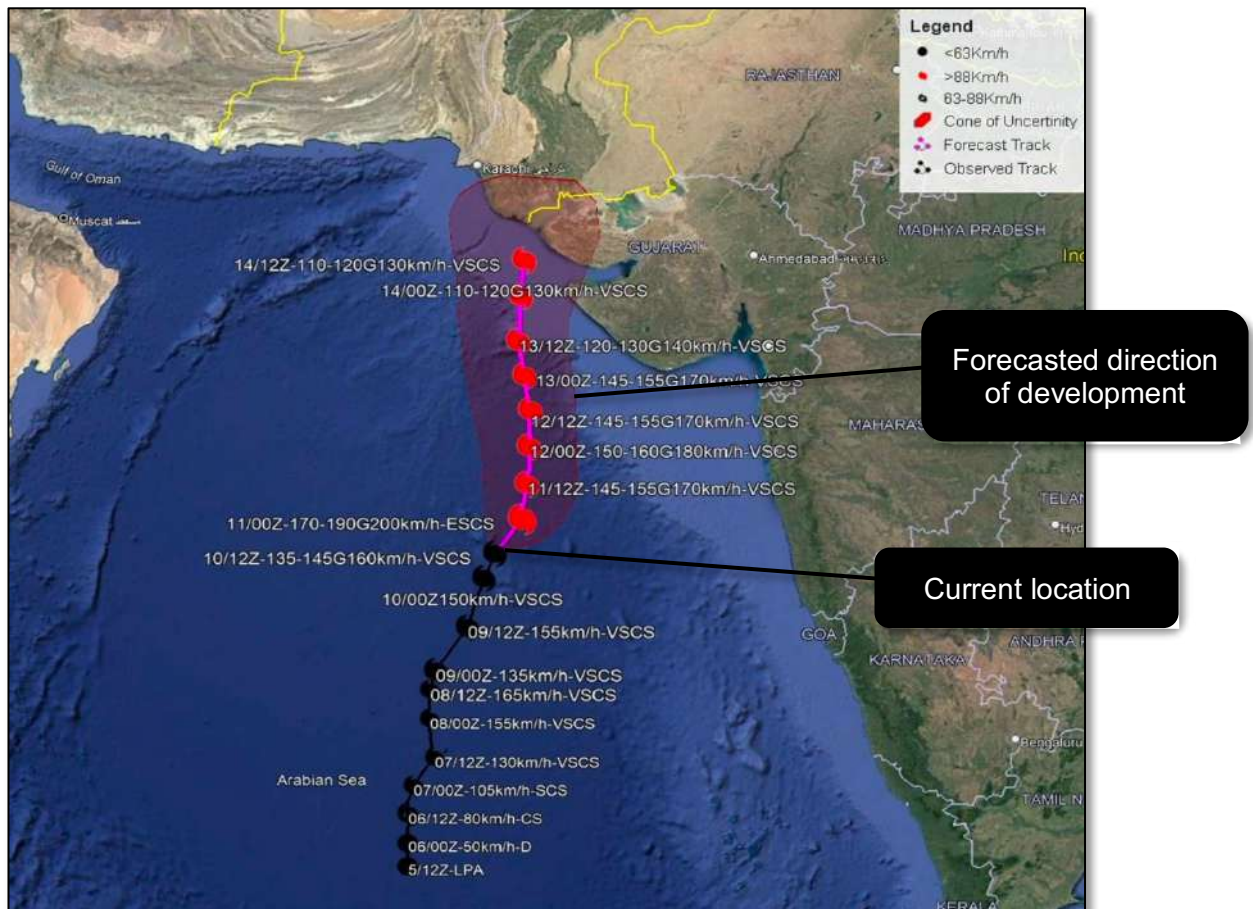
Dated: 10 June 2023
2230 hours

Subject: **Tropical Cyclone "BIPARJOY" Formed Over East-Central Arabian Sea**

Reference: NDMA's TC Advisory No. F.2 (E)/2023-NDMA (TC Alert I-VII) dated 6 – 10 June 2023.

In continuation of above referred TC Advisories, PMD has released the following updates of **Very Strong Cyclonic Storm** (VSCS) "**BIPARJOY**" (press release enclosed as **Annex A**): -

- a. Location - Latitude 17.3°N & Longitude 67.4°E
- b. Distance from Karachi - 840 km south of Karachi
- c. Wind Speed - 130-140 km/h gusts, 150 km/h center
- d. Forecasted direction - North-northeast (towards Southeast Sindh-Indian Gujrat coast)



2. Favourable environmental conditions can intensify the system further into an **Extremely Severe Cyclonic Storm** (ESCS) for at least the **next 24 hours**. Likely

development path based on international weather applications/ models are enclosed (as **Annex B**) for proactive preparations against likely impacts. **It must be highlighted that this is an evolving situation and its impact will only be certain with further development of the system.**

3. Possible impacts under the current forecast are as under: -
 - a. Rain-thunderstorm with some very heavy falls & gusty winds (60-80 km/h) are expected in **Southern / Southeastern Sindh (Karachi, Thatta, Sujawal, Badin, Tharparker & Mirpurkhas districts)** from **13 June** (evening/night) 2033 onwards.
 - b. Squally / high intensity winds may damage loose structures, *kacha* houses, under construction buildings, trees and hoardings / billboards.
 - c. Sea conditions may get **very high / phenomenal** with maximum wave height **25 - 28 feet** around the system center, accompanied by **high tides along the coast**.
 - d. There is possible **risk of storm surge of 3 meters** (8-10 feet) as cyclonic system progresses.
4. The guidelines for all concerned are reiterated as under: -
 - a. Ensure **vigilant monitoring of the cyclone's development** and ensure **proactive coordination** through respective emergency operation centers.
 - b. Verify the functionality of **early warning systems** and ensure prompt dissemination of **timely and accurate information to at-risk communities**.
 - c. Utilize **multiple communication channels**, such as **television, radio, social media**, and **SMS alerts**, to effectively reach coastal communities.
 - d. Conduct extensive **awareness campaigns to educate the public** on the potential impacts of the cyclone, evacuation procedures, and safety measures.
 - e. Respective PDMA's/ DDMA's, **Rescue agencies** (Rescue 1122, Fire department, paramedics) and concerned departments may **identify high-risk areas** prone to storm surges, flooding and landslides, and **develop evacuation plans** accordingly.
 - f. Collaborate with relevant authorities, including **law enforcement agencies** and **transportation departments**, to facilitate the **safe evacuation of people** from **vulnerable coastal areas/ low lying areas**.
 - g. Advise **individuals residing in unsecured mud ("kacha") houses to seek shelter** in sturdier and more secure buildings for personal safety.
 - h. Advise fisherman to exercise **appropriate caution** while in **coastal areas**.

- i. Continuously **update fishermen on weather conditions** and **discourage them from venturing into the open sea** until the situation improves.
 - j. Establish a reliable communication system to deliver **real-time weather updates and guidance to fishing communities**.
 - k. **Conduct mock exercises** for at-risk communities to **practice evacuation drills**, and for **disaster management responders** to enhance their **coordinated response capabilities**.
 - l. Respective PDMA's/DDMA's to develop **contingency plans**, including the **identification of safe locations** and **provisioning of essential supplies** like food, water, medical aid, and sanitation facilities.
 - m. Coordinate with relevant departments, including NHA / FWO / C&W and line departments, to **assess and prepare for any potential damage to roads, bridges**, and other **critical infrastructure**.
 - n. Ensure the **availability of necessary equipment and resources** for rapid response and recovery operations, including road clearance and restoration of utility services.
 - o. **NEOC at NDMA** has been made **functional round the clock** for TC BIPARJOY monitoring and coordination. **All concerned to timely and proactively update NDMA** and other stakeholders on the cyclone's progress, potential impacts and response measures.
5. **Three hourly updates on developing weather system will be uploaded on NDMA's website and social media handles for reference of all stakeholders.** All concerned are requested to **ensure continuous monitoring and proactive preparations** against likely impacts.
6. Forwarded for your further necessary action, please.



(Muhammad Ali Khan)
Director (Response)
Tel No: 051-9030924
Fax No: 051-9030729

To: Chief Secretary, Government of Balochistan, Quetta
Chief Secretary, Government of Sindh, Karachi
Secretary, Ministry of Interior, Islamabad
Secretary, Ministry of Communications, Islamabad
Secretary, Directorate General Ports & Shipping, Ministry of Maritime Affairs,
Karachi Chairman, National Highway Authority, Islamabad
Inspector General, National Highways & Motorway Police, Islamabad
Chairman, Pakistan Telecommunications Authority, Islamabad

Principal Information Officer, Press Information Department, Islamabad
Headquarters, Pakistan Maritime Security Agency, Karachi
Staff Duties Directorate (SD Coord), COAS Sectt, GHQ, Rawalpindi
Headquarters, Pakistan Coast Guards, Karachi
Director General, PDMA Balochistan, Quetta
Director General, PDMA Sindh, Karachi
Director Generals, Rescue 1122, Provincial Governments, GB & AJ&K
Headquarters, Frontier Works Organization (FWO), Rawalpindi
Commissioner Karachi
Chief Meteorologist, Pakistan Metrological Department, Karachi
Director, NIO (National Institute of Oceanography)
Chairman, Balochistan Coastal Development Authority, Gwadar
Chairman, Sindh Coastal Development Authority, Karachi
Managing Director, K-Electric Karachi
Country Coordinator, UNOCHA, Islamabad
Coordinator Welthungerhilfe, (WHH), Islamabad
Country Coordinator, PHF, Islamabad
Chairperson, National Humanitarian Network, Islamabad

Cc: Secretary to Prime Minister, Prime Minister's Office, Islamabad
Secretary, Cabinet Division, Islamabad
Chairman, Federal Flood Commission, Islamabad
Joint Crises Management Cell, Joint Staff Headquarters, Chaklala Cantt
Military Operations Directorate (MO-4), General Headquarters, Rawalpindi Cantt
ACNS (Operations), Naval Headquarters, Islamabad
ACAS (Operations), Air Headquarters, Islamabad
GSO-1, Inter Services Public Relations, General Headquarters, Rawalpindi Cantt

PMD Press Release – TC Alert 10

Government of Pakistan
 Ministry of Aviation
 Marine Meteorology and Tropical Cyclone Warning Centre
Pakistan Meteorological Department
 University Road Karachi-75270

Tel: 021-99261417
 Fax: 021-99261405

TC- Alert 10

Date: 10 June 2023
 Time: 2130 PST

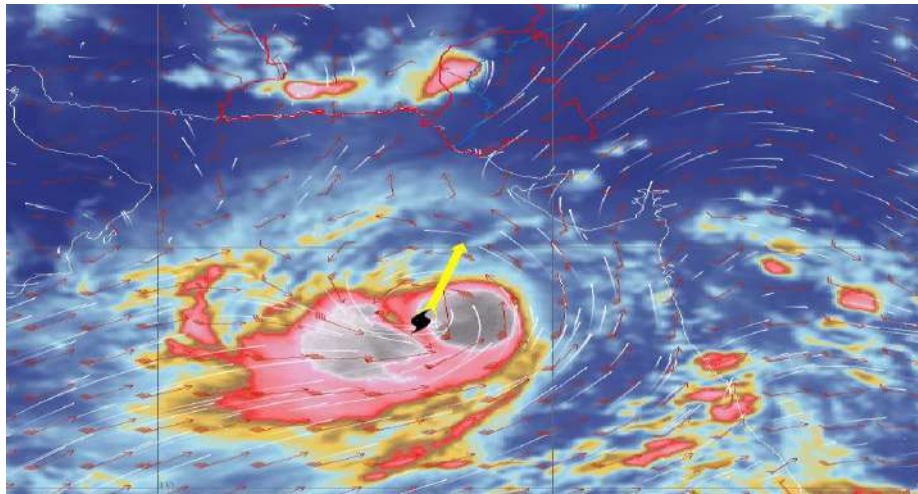
Very Severe Cyclonic Storm (BIPARJOY) over East-central Arabian Sea

The Very Severe Cyclonic Storm (VSCS) “BIPARJOY” over eastcentral Arabian Sea maintaining its intensity further tracked north-northeastward during past 12 hours and now lies near Latitude 17.3°N & Longitude 67.4°E at a distance of about 840km south of Karachi, 830km south of Thatta & 930km southeast of Ormara. Maximum sustained surface winds are 130-140 Km/hour gusts 150 Km/hour around the system center and sea conditions being phenomenal around the system center with maximum wave height 25-28 feet. The favorable environmental conditions (sea surface temperature of 30-32°C, low vertical wind shear & upper-level divergence) can intensify the system further into an Extremely Severe Cyclonic Storm (ESCS) for at least next 24 hours.

Under the existing upper-level steering winds, the VSCS “BIPARJOY” is most likely to track further in north-northeast direction towards Southeast Sindh-Indian Gujarat coast. PMD’s cyclone warning center, Karachi is monitoring the system and will issue update accordingly.

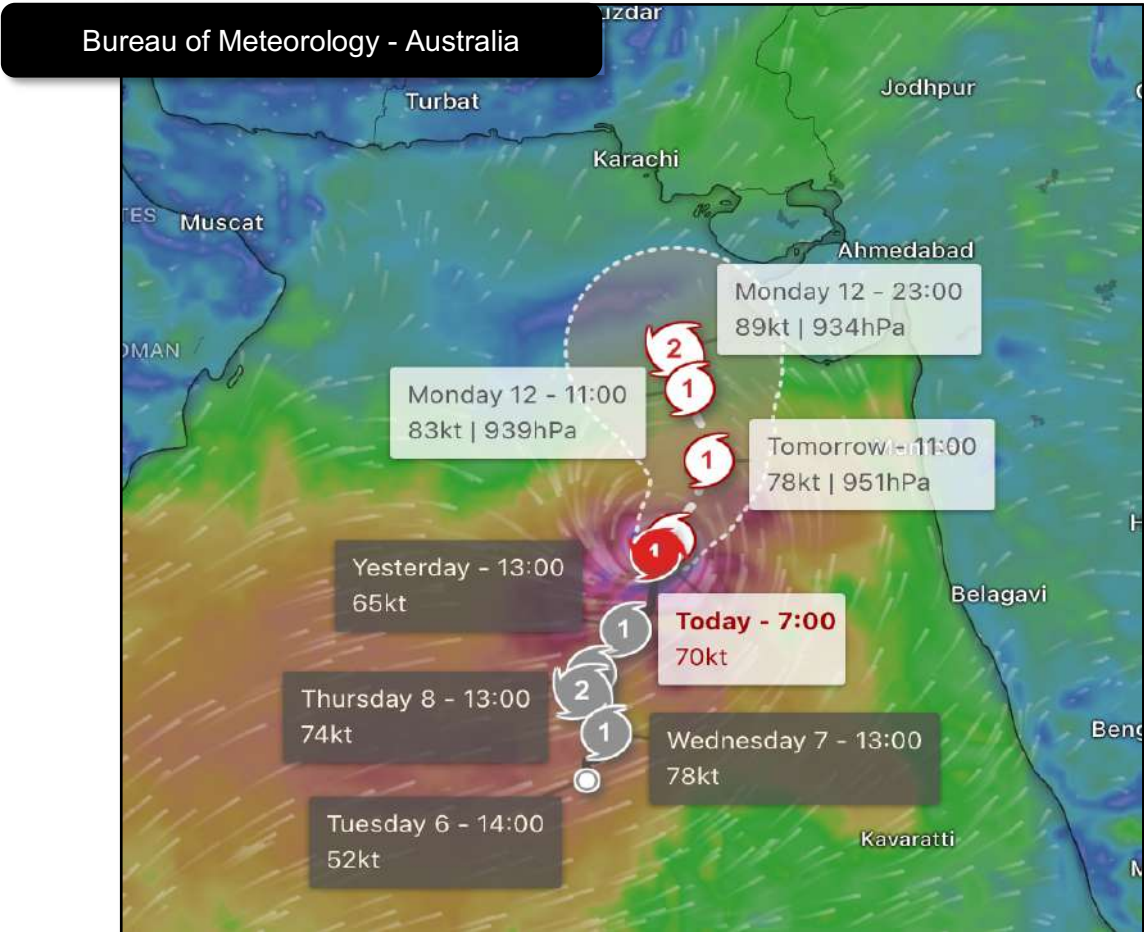
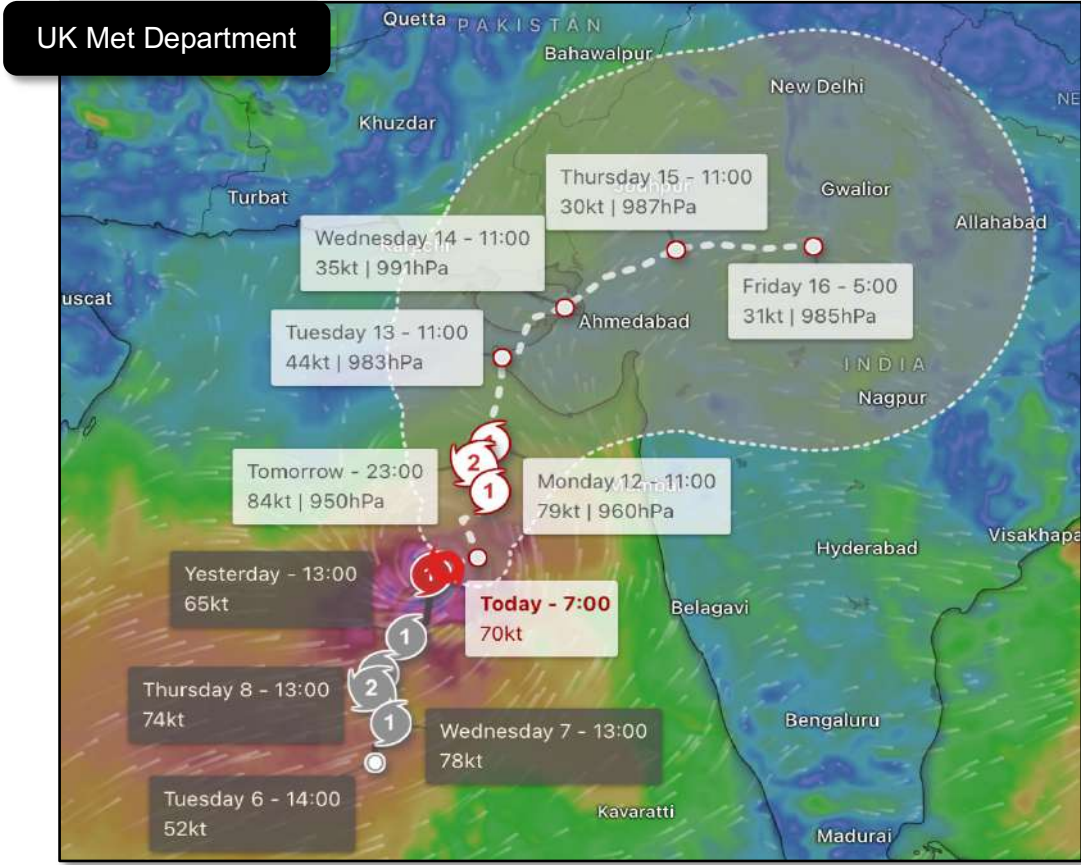
Possible Impacts:

- With its probable north-northeast track, the rain-thunderstorm with some very heavy falls & squally winds (60-80 Km/hour) are expected in southern/ southeastern Sindh (Karachi, Thatta, Sujawal, Badin, Tharparker & Mirpurkhas districts) from 13 June evening/night onwards.
- Squally (high intensity) winds may cause damage to loose & vulnerable structures (Kutchha houses).
- Storm surge of 3 meters (8-10 feet) can be possible.
- Fishermen are advised not to venture in open sea from tomorrow, 11 June 2023 onwards till the system is over as the Arabian Sea conditions may get very rough/high accompanied with high tides along coast.



Satellite imagery. 10 June 2023, 2100PST

Forecasted Path of TC BIPARJOY By International Weather Models



The European Centre for Medium-Range Weather Forecasts

