



**Government of India
India Meteorological Department
Regional Meteorological Centre
Mumbai – 400005**

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PRESS RELEASE No.4

Enhancement in Rainfall Activity over Konkan-Goa and adjoining ghat areas of Madhya Maharashtra

Monsoon remained active to vigorous over most parts of Maharashtra yesterday. Most parts of Konkan- Goa and ghat areas of Madhya Maharashtra received widespread rainfall with heavy to very rainfall at a few places and isolated extremely heavy falls. Fairly widespread light to moderate rainfall occurred over Marathwada too.

Weather Systems Prevailing:

- An off-shore trough at mean sea level runs from Maharashtra coast to Karnataka coast. It is likely to persist during next 3-4 days.
- A shear zone runs along Lat. 18°N in middle tropospheric levels
- A cyclonic circulation persisting over south Gujarat region & neighbourhood at 3.6 km above mean sea level
- A low-pressure area over Northwest Bay of Bengal & neighborhood around 23rd July.

As a consequence of these meteorological features, southwesterly monsoon flow is expected to strengthen, and the rainfall distribution and activity is expected to increase over the region, parts of Konkan Goa and adjoining ghat areas of Madhya Maharashtra is very likely to experience an active rainfall spell during next 4-5 days with heavy to very heavy rainfall at a few places and extremely heavy rainfall at isolated places

District wise Forecast and Warnings:

Updates on the district wise forecast and warnings for the region during next 5 days are as follows:

DISTRICT		20 JUL	21 JUL	22 JUL	23 JUL	24 JUL
		DAY-1(Today)	DAY-2 (Wed)	DAY-3 (Thu)	DAY-4 (Fri)	DAY-5 (Sat)
PALGHAR	Intensity	Heavy to very heavy rain at isolated places	Heavy to very heavy rain at a few places	Heavy to very heavy rain at a few places	Heavy to very heavy rain at a few places	Heavy rain at isolated places
	Probability	Very Likely	Very Likely	Very Likely	Likely	Likely
THANE	Intensity	Heavy to very heavy rain at isolated places	Heavy to very heavy rain at a few places	Extremely heavy rain at isolated places	Heavy to very heavy rain at a few places	Heavy rain at isolated places
	Probability	Very Likely	Very Likely	Very Likely	Likely	Likely
MUMBAI	Intensity	Heavy to very heavy rain at isolated places	Heavy to very heavy rain at a few places	Extremely heavy rain at isolated places	Heavy to very heavy rain at a few places	Heavy rain at isolated places
	Probability	Very Likely	Very Likely	Very Likely	Likely	Likely
RAIGAD	Intensity	Heavy to very heavy rain at isolated places	Extremely heavy rain at isolated places	Extremely heavy rain at isolated places	Extremely heavy rain at isolated places	Heavy to very heavy rain at isolated places
	Probability	Very Likely	Very Likely	Very Likely	Likely	Likely
RATNAGIRI	Intensity	Extremely heavy rain at isolated places	Extremely heavy rain at isolated places	Extremely heavy rain at isolated places	Extremely heavy rain at isolated places	Heavy to very heavy rain at isolated places
	Probability	Very Likely	Very Likely	Likely	Likely	Likely
SINDHUDURG	Intensity	Heavy to very heavy rain at isolated places	Heavy to very heavy rain at a few places	Heavy to very heavy rain at a few places	Heavy to very heavy rain at a few places	Heavy to very heavy rain at isolated places
	Probability	Very Likely	Very Likely	Likely	Likely	Likely
DHULE	Intensity	Light to moderate rain	Light to moderate rain	Light to moderate rain	Light to moderate rain	Light to moderate rain
	Probability	Very Likely	Very Likely	Very Likely	Likely	Likely
NANDURBAR	Intensity	Light to moderate rain	Light to moderate rain	Light to moderate rain	Light to moderate rain	Light to moderate rain
	Probability	Very Likely	Very Likely	Very Likely	Very Likely	Likely
JALGAON	Intensity	Light to moderate rain	Light to moderate rain	Light to moderate rain	Light to moderate rain	Light to moderate rain
	Probability	Very Likely	Very Likely	Very Likely	Very Likely	Likely
NASIK	Intensity	Light to moderate rain	Light to moderate rain	Heavy rain at isolated places in ghat areas	Light to moderate rain	Light to moderate rain
	Probability	Very Likely	Very Likely	Very Likely	Likely	Likely
AHMEDNAGAR	Intensity	Light to moderate rain	Light to moderate rain	Light to moderate rain	Light to moderate rain	Light to moderate rain
	Probability	Very Likely	Very Likely	Very Likely	Likely	Likely

DISTRICT		20 JUL	21 JUL	22 JUL	23 JUL	24 JUL
		DAY-1(Today)	DAY-2 (Wed)	DAY-3 (Thu)	DAY-4 (Fri)	DAY-5 (Sat)
PUNE	Intensity	Heavy to very heavy rain at isolated places in ghat areas	Extremely heavy rainfall likely at isolated places in ghat areas	Extremely heavy rainfall likely at isolated places in ghat areas	Heavy to very heavy rain at isolated places in ghat areas	Heavy rain at isolated places in ghat areas
	Probability	Very Likely	Very Likely	Very Likely	Likely	Likely
KOLHAPUR	Intensity	Heavy to very heavy rain at isolated places in ghat areas	Extremely heavy rainfall likely at isolated places in ghat areas	Extremely heavy rainfall likely at isolated places in ghat areas	Heavy to very heavy rain at isolated places in ghat areas	Heavy rain at isolated places in ghat areas
	Probability	Very Likely	Very Likely	Very Likely	Very Likely	Likely
SATARA	Intensity	Heavy to very heavy rain at isolated places in ghat areas	Extremely heavy rainfall likely at isolated places in ghat areas	Extremely heavy rainfall likely at isolated places in ghat areas	Heavy to very heavy rain at isolated places in ghat areas	Heavy rain at isolated places in ghat areas
	Probability	Very Likely	Very Likely	Very Likely	Very Likely	Likely
SANGLI	Intensity	Light to moderate rain	Light to moderate rain	Light to moderate rain	Light to moderate rain	Light to moderate rain
	Probability	Very Likely	Very Likely	Very Likely	Very Likely	Likely
SHOLAPUR	Intensity	Light to moderate rain	Light to moderate rain	Light to moderate rain	Light to moderate rain	Light to moderate rain
	Probability	Very Likely	Very Likely	Very Likely	Very Likely	Likely
AURANGABAD	Intensity	Light to moderate rain	Light to moderate rain	Light to moderate rain	Light to moderate rain	Light to moderate rain
	Probability	Very Likely	Very Likely	Very Likely	Likely	Likely
JALNA	Intensity	Light to moderate rain	Light to moderate rain	Light to moderate rain	Light to moderate rain	Light to moderate rain
	Probability	Very Likely	Very Likely	Very Likely	Likely	Likely
PARBHANI	Intensity	Light to moderate rain	Light to moderate rain	Heavy rain at isolated places	Light to moderate rain	Light to moderate rain
	Probability	Very Likely	Very Likely	Very Likely	Likely	Likely
BEED	Intensity	Light to moderate rain	Light to moderate rain	Light to moderate rain	Light to moderate rain	Light to moderate rain
	Probability	Very Likely	Very Likely	Very Likely	Likely	Likely
HINGOLI	Intensity	Light to moderate rain	Light to moderate rain	Heavy rain at isolated places	Light to moderate rain	Light to moderate rain
	Probability	Very Likely	Very Likely	Very Likely	Likely	Likely
NANDED	Intensity	Light to moderate rain	Light to moderate rain	Heavy rain at isolated places	Heavy rain at isolated places	Light to moderate rain
	Probability	Very Likely	Very Likely	Very Likely	Likely	Likely
LATUR	Intensity	Light to moderate rain	Light to moderate rain	Light to moderate rain	Light to moderate rain	Light to moderate rain
	Probability	Very Likely	Very Likely	Very Likely	Likely	Likely
OSMANABAD	Intensity	Light to moderate rain	Light to moderate rain	Light to moderate rain	Light to moderate rain	Light to moderate rain
	Probability	Very Likely	Very Likely	Very Likely	Likely	Likely

Legends:

No warning (No Action)	Watch (Be updated)	Alert (Be prepared)	Warning (Take Action)
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Very light rain	Light rain	Moderate rain	Heavy rainfall	Very Heavy rainfall	Extremely hvy rainfall
Trace-2.4 mm	2.5-15.5 mm	15.6-64.4 mm	64.5-115.5 mm	115.6-204.4 mm	Greater than 204.4mm

Likely	Very Likely	Most Likely
26-50% probability	51-75% probability	Greater than 75% probability

Fishermen Warning:

Warning for North Maharashtra coast: Strong winds with wind speed reaching 40-50 kmph gusting to 60 kmph likely to prevail along and off North Maharashtra Coast from 20th to 24th July 2021. **Fishermen are advised not to venture along and off North Maharashtra coast during above mentioned period**

Warning for South Maharashtra –Goa coast: Strong winds with wind speed reaching 40-50 kmph gusting to 60 kmph likely to prevail along and off South MaharashtraGoa Coast from 20th to 24th July 2021. **Fishermen are advised not to venture along and off South Maharashtra-Goa coast during above mentioned period.**

Warning for High Sea and other coasts:

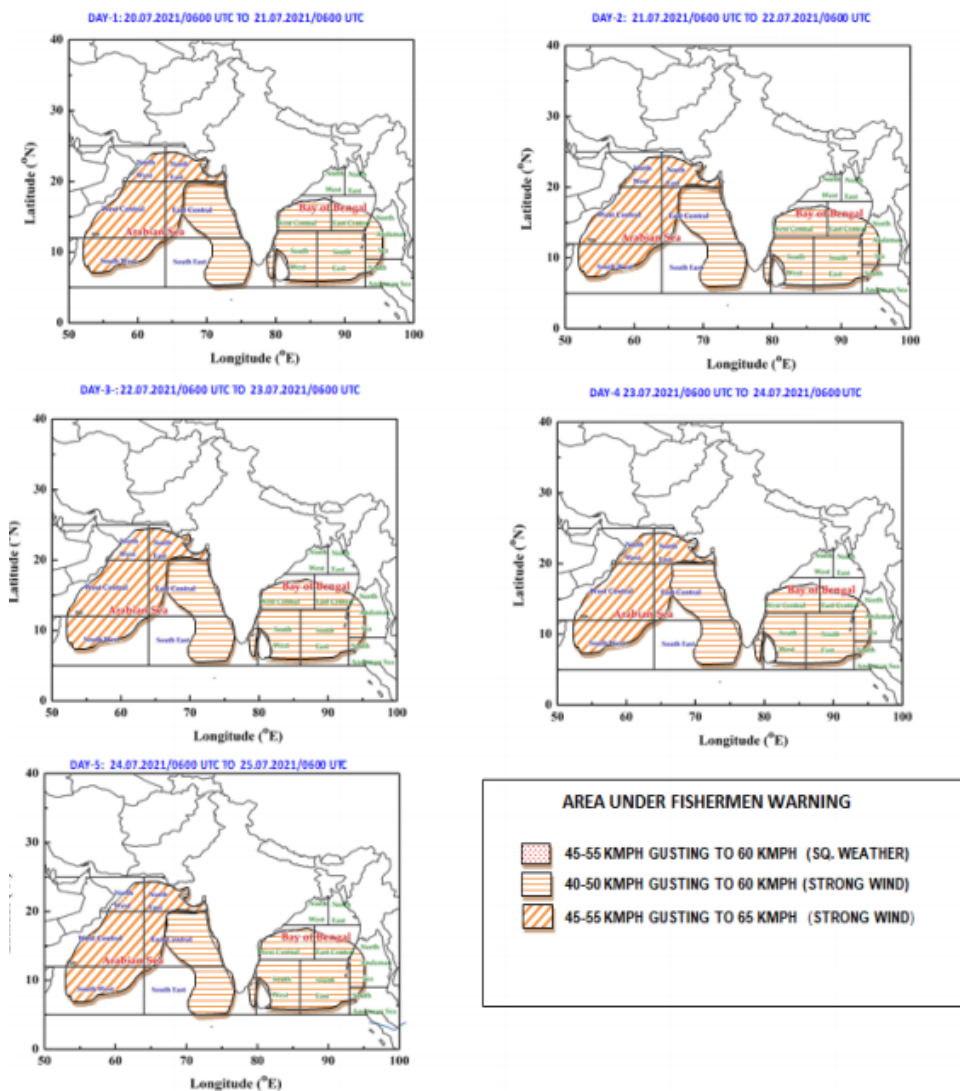
- Strong winds with wind speed reaching 45-55 kmph gusting to 65 kmph likely to prevail over Southwest, Westcentral and adjoining Eastcentral Arabian Sea from 20th to 24th July 2021.
- Strong winds with wind speed reaching 45-55 kmph gusting to 65 kmph likely to prevail along and off Gujarat coast and adjoining North Arabian sea from 20th to 24th July 2021.
- Strong winds with wind speed reaching 40-50 kmph to 60 kmph likely to prevail along and off Kerala-Karnataka coast, Lakshadweep and adjoining Southeast Arabian sea from 20th to 24th July 2021.
- **Fishermen are advised not to venture into these areas during above mentioned period.**

High Wave Alerts from INCOIS:

- High waves in the range of 2.5 - 4.0 meters are predicted during 17:30 hours on 19-07-2021 to 23:30 hours of 21-07-2021 along the coast from Malvan to Vasai of Maharashtra coast.
- High waves in the range of 2.5 - 3.7 meters are forecasted during 17:30 hours on 19-07-2021 to 23:30 hours of 21-07-2021 along the coast of Goa between Vengurla to Vasco.
- High waves in the range of 2.5 - 5.1 meters are forecasted during 17:30 hours on 19-07-2021 to 23:30 hours of 21-07-2021 along the coast from Jakhau to Diu Head of Gujarat coast.

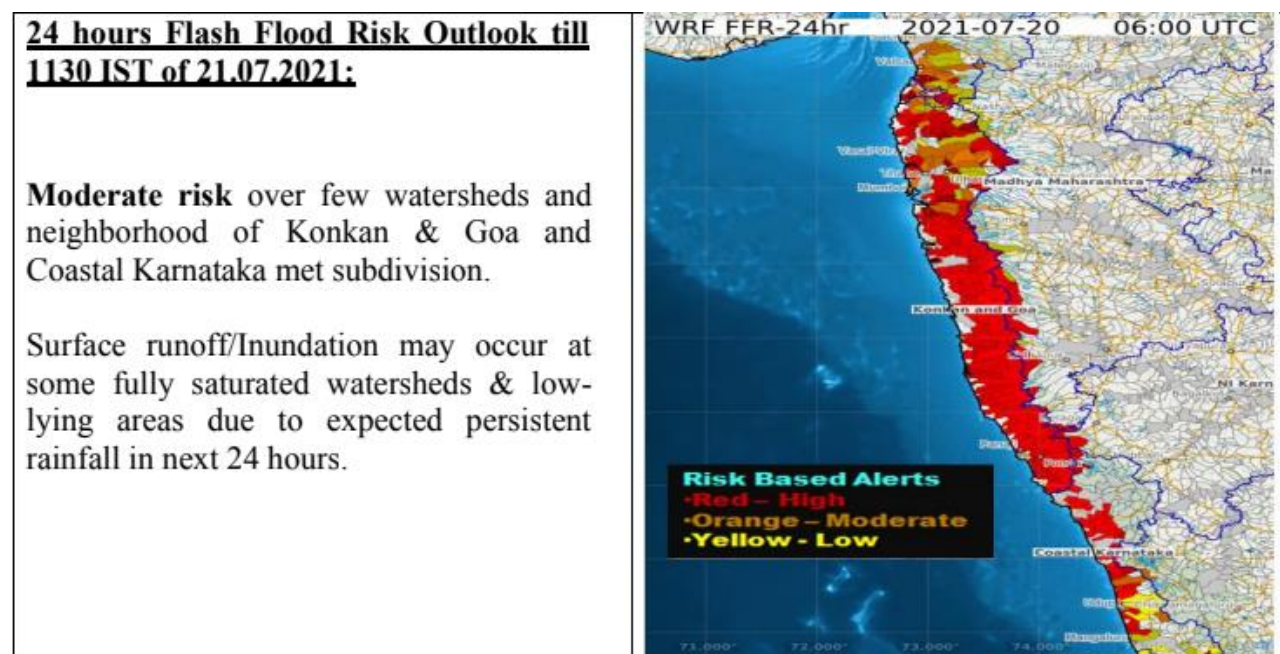
Port Warning for Maharashtra- Goa coast: Nil

INDIA METEOROLOGICAL DEPARTMENT FISHERMAN WARNING FOR BAY OF BENGAL AND ARABIAN SEA



Impact expected:

- Localized inundation/flooding of low-lying areas and urban areas.
- Possibility of flash floods in some areas.
- Minor damage to Kutch roads.
- Possible uprooting of weak trees and collapse of old and unmaintained structures.
- Landslide/Mudslides and rock falls in vulnerable areas.
- Disruption to road, rail, air and ferry transport.
- Local disruption of municipal services (Water, electricity etc.)
- Flow of water over low-lying roads and bridges.
- Damage to horticulture and standing crops due to water inundation.
- Squally weather expected along and off the coast.
- Rough Sea conditions along the coast.
- It may lead to riverine flooding in some river catchments (for riverine flooding please visit web page of Central Water Commission)



Some of the Chief Amounts of Rainfall (in cm) realized at 0830hrs IST of 20July 2021:

Konkan& Goa: Kalyan (dist Thane) 37, Bhiwandi (dist Thane) 30, Ulhasnagar (dist Thane) 29, Matheran (dist Raigad) 26, Ambernath (dist Thane) 25, Dapoli_agri (dist Ratnagiri) 23, Sudhagad Pali (dist Raigad) 22, Karjat_agri (dist Raigad) 19, Pen (dist Raigad) 19, Khalapur (dist Raigad) 18, Panvel_agri (dist Raigad) 18, Wakwali_agri (dist Ratnagiri) 17, Tbia Imd Part Time (dist Thane) 17, Thane (dist Thane) 16, Harnai Imd Obsy (dist Ratnagiri) 15, Roha (dist Raigad) 15, Chiplun (dist Ratnagiri) 13, Khed (dist Ratnagiri) 11, Guhagarh (dist Ratnagiri) 11, Jawhar (dist Palghar) 11, Rajapur (dist Ratnagiri) 11, Shahapur (dist Thane) 10,

Shriwardhan (dist Raigad) 10, Mangaon (dist Raigad) 10, Mahad (dist Raigad) 9, Mandangad (dist Ratnagiri) 9, Kankavli (dist Sindhudurg) 9, Devgad (dist Sindhudurg) 9, Tala (dist Raigad) 9, Ratnagiri - Imd Obsy (dist Ratnagiri) 8, Sangameshwar Devrukh (dist Ratnagiri) 8, Uran (dist Raigad) 8, Murbad (dist Thane) 7, Vikramgad (dist Palghar) 7, Poladpur (dist Raigad) 7, Alibag - Imd Part Time (dist Raigad) 7.

Madhya Maharashtra: Lonavala_agri (dist Pune) 15, Ozarkheda - Fmo (dist Nashik) 11, Mahabaleshwar- Imd Obsy (dist Satara) 11, Peth (dist Nashik) 8, Igatpuri (dist Nashik) 8, Gaganbawada (dist Kolhapur) 7, Surgana (dist Nashik) 7, Harsul - Fmo (dist Nashik) 7, Paud Mulshi (dist Pune) 5, Shrirampur (dist Ahmednagar) 5, Trimbakshwar (dist Nashik) 5, Vadgaon Maval (dist Pune) 4, Radhanagari (dist Kolhapur) 4, Jalgaon - Imd Pt (dist Jalgaon) 4.

Marathwada: Jafrabad (dist Jalna) 5, Sengaon (dist Hingoli) 4, Parli Vajinath (dist Beed) 3, Sonpeth (dist Parbhani) 3, Sillod (dist Aurangabad) 3, Manjlegaon (dist Beed) 3, Palam (dist Parbhani) 2, Ahmedpur (dist Latur) 2, Purna (dist Parbhani) 2, Lohara (dist Osmanabad) 2, Washi (dist Osmanabad) 2, Pathri (dist Parbhani) 2, Gangakhed (dist Parbhani) 2.

The warnings are issued based on latest observations and numerical weather prediction model guidance available. **Please be regularly updated with the latest warnings and forecasts issued by IMD in coming days.** Further details are available on websites of IMD HQ, IMD Mumbai and IMD Nagpur. Kindly visit the IMD website <http://www.mausam.imd.gov.in> or <http://www.imdmumbai.gov.in> or <http://imdnagpur.gov.in> for current weather updates.

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