

DRILL DRILL DRILL DRILL DRILL DRILL DRILL

**ANNOUNCEMENT (Issued at 1055 PST)**

National Tsunami Warning Centre (NTWC), Karachi announces the start of IOWave18 at 1100 PST on 04 September 2018. This is not a real event

PMD, NTWC, Karachi

DRILL DRILL DRILL DRILL DRILL DRILL DRILL DRILL  
(SEVERE TSUNAMI THREAT-**EVACUATE IMMEDIATELY**)  
**TSUNAMI BULLETIN-01**

Issued at 11:05:00 PST

National Tsunami Warning Centre (NTWC), Karachi of Pakistan Meteorological Department has recorded an Earthquake with the following preliminary seismological parameters:

Origin time 04-09-2018 at 11:00:00 PST

Magnitude: 8.9

Depth: 10 Km

Latitude: 24.8° N

Longitude: 58.2 ° E

Location: Off Coast of Iran

**EVALUATION:**

. Based on the historical data, earthquakes of this size may cause wide-spread inland damages and Destructive Tsunami generation in the Arabian Sea and along coastline of Pakistan. However, it is not known that a tsunami has been generated. This bulletin is based only on the earthquake evaluation. Monitoring of Sea Level Gauges is under way to determine if a tsunami has been triggered. People in coastal areas of **BALUCHISTAN** are **STRONGLY ADVISED TO EVACUATE IMMEDIATELY** to higher grounds or go far inland. People in rest of coast are advised to standby for evacuation. Boats and Ships at sea are advised to stay in the deeper parts of the sea until the threat is over. If there is sufficient time, boats and ships in harbors and bays are advised to go to the deeper parts of the sea until the threat is over.

**UPDATES**

Additional bulletins will be issued by NTWC, Karachi for this event as more information becomes available.

Sd/=   
Duty Seismologist

**DRILL DRILL DRILL DRILL DRILL DRILL DRILL**  
**(SEVERE TSUNAMI THREAT-EVACUATE IMMEDIATELY)**

**TSUNAMI BULLETIN-02**

Issued at 11:17:00 PST

National Tsunami Warning Centre (NTWC) of Pakistan Meteorological Department has recorded an Earthquake with the following preliminary seismological parameters:

Origin time 04-09-2018 at 11:00:00 PST

Magnitude: 9.0 (Revised)

Depth: 10 Km

Latitude: 24.8° N

Longitude: 58.2° E

Location: Off Coast of Iran

**EVALUATION:** It has not been confirmed whether Tsunami has been generated or not. Based on the historical data, earthquakes of this size may cause wide-spread inland damages and Destructive Tsunami generation in the Arabian Sea and along coastline of Pakistan. This bulletin is based only on the earthquake evaluation. Monitoring of Sea Level Gauges is under way to determine if a tsunami has been triggered. People in coastal areas of **BALOCHISTAN** are **STRONGLY ADVISED TO EVACUATE IMMEDIATELY** to higher grounds or go far inland. People in rest of Makran Coast are advised to standby for evacuation. Boats and Ships at sea are advised to stay in the deeper parts of the sea until the threat is over. If there is sufficient time, boats and ships in harbors and bays are advised to go to the deeper parts of the sea until the threat is over.

**SIMULATION RESULTS:**

According to pre-run scenarios estimated initial tsunami wave arrival times and amplitude of the maximum tsunami wave, at the various locations are given below. However, actual wave arrival times and maximum amplitude may differ from those below, and the initial wave may not be the largest. A tsunami is a series of waves and the time between successive waves can be five minutes to one hour.

<b><u>CITY NAME</u></b>	<b><u>ARRIVAL TIME (PST)</u></b>	<b><u>WAVES HEIGHT (meters)</u></b>
JIWANI	1120PST 04 Sep 2018	12.5 m
GAWADAR	1120PST 04 Sep 2018	12.0 m
PASNI	1120PST 04 Sep 2018	13.6 m
ORMARA	1122PST 04 Sep 2018	12.8 m
KUNDMALIR	1130PST 04 Sep 2018	07.3 m
ASTOL	1120PST 04 Sep 2018	08.2 m
WINDER	1140PST 04 Sep 2018	11.0 m
GADANI	1145PST 04 Sep 2018	07.2 m
KARACHI	1150PST 04 Sep 2018	04.3 m
KETIBANDAR	1150PST 04 Sep 2018	04.3 m
THATTA	1220PST 04 Sep 2018	04.3 m
BADIN	1230PST 04 Sep 2018	04.0 m

**UPDATES**

Additional bulletins will be issued by NTWC, Karachi for this event as more information becomes available.

Sd/=

Duty Seismologist

DRILL DRILL DRILL DRILL DRILL DRILL DRILL DRILL  
**(Confirmed Tsunami Threat)**

**TSUNAMI BULLETIN-03**

Issued at 11:30:00 PST

National Tsunami Warning Centre (NTWC) of Pakistan Meteorological Department has recorded an Earthquake with the following preliminary seismological parameters:

Origin time 04-09-2018 at 11:00:00 PST

Magnitude: 9.0 (Revised)

Depth: 10 Km

Latitude: 24.8° N

Longitude: 58.2 ° E

Location: Off Coast of Iran

**OBSERVATION OF TSUNAMI ACTIVITY:**

Sea level observations confirmed that a destructive tsunami has been generated. People in all the Coastal areas of Pakistan are advised to evacuate immediately . Arrival times and wave heights, as observed at Tidegauges locations, are given below;

<u>City</u>	<u>Time of Arrival</u>	<u>Wave Height (meters)</u>
Gwadar	1117 PST 04 September 2018	12.8 m
Ormara	1120 PST 04 September 2018	13.1m

**UPDATES**

Additional bulletins will be issued by NTWC, Karachi for this event as more information becomes available

Sd/=  
Duty Seismologist

DRILL DRILL DRILL DRILL DRILL DRILL DRILL DRILL  
**TSUNAMI BULLETIN-04**

Issued at 13:30:00 PST

National Tsunami Warning Centre (NTWC) of Pakistan Meteorological Department has recorded an Earthquake with the following preliminary seismological parameters:

Origin time 04-09-2018 at 11:00:00 PST

Magnitude: 9.0 (Revised)

Depth: 10 Km

Latitude: 24.8° N

Longitude: 58.2 ° E

Location: Off Coast of Iran

**Evaluation:**

The sea level readings indicate that the threat is over for most of the area. Therefore, the Tsunami warning, issued by this centre, is now cancelled. For any affected area, where no major waves have occurred for at least 2 hours, after the estimated arrival time or damaging waves have not occurred for 2 hours, the local authority may assume that the threat has passed.

**"All Clear"** decision must be made by **local authorities**.

Sd/=   
Duty Seismologist