



FIGURE 1: EARTHQUAKE LOCATION MAP

Special Issue

IN SIDE THIS ISSUE

- PG. 1
Magnitude & Depth
Time & Location
- PG. 2
Intensity
- PG. 3
Selected Exposed
Cities
- PG. 4
Waveform
- PG. 5
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Earthquake Strikes Parts of Pakistan

Rizwan Mirza, CE
Editor-in-chief

An earthquake shook central-eastern parts of Pakistan on 11th September, 2024.

Magnitude and Depth

The magnitude of the earthquake has been estimated at M 5.4 (\pm 0.0). The epicentre was around 10.0 (\pm 1.8) km deep.

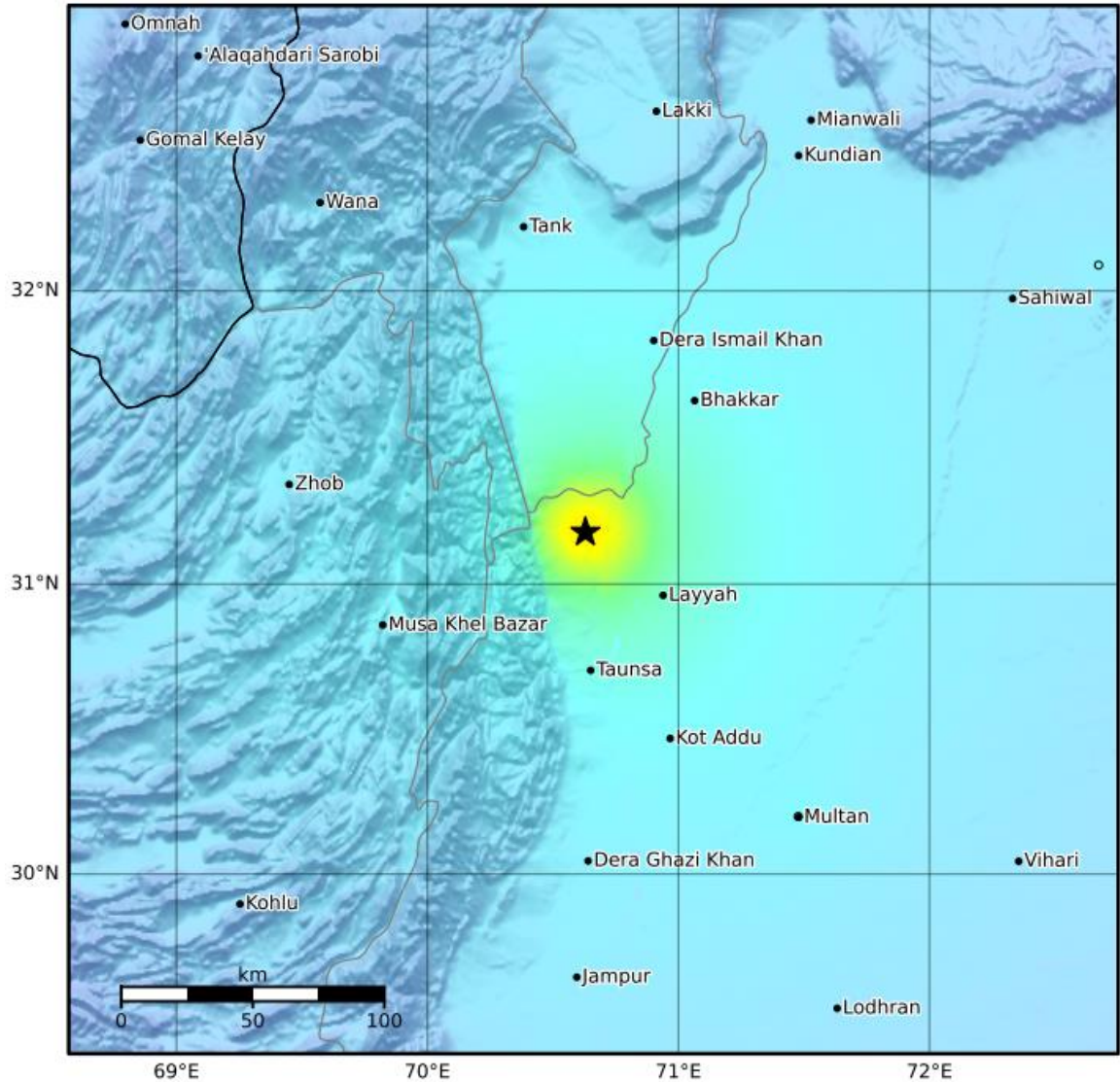
Time and Location

The time was 11th September, 2024, 7:27 (UTC), 11th September, 2024, 12:27 (PKT). The hypocentre was located 31 (\pm 3.7) km west of Karor city and 38 (\pm 3.7) km northwest of Layyah, Pakistan, with coordinates 31, 1773°N 70.6295°E.

Intensity

The quake had a very shallow depth and was felt over a large region. The shallow depth of the quake caused it to be felt more strongly near the epicentre than a deeper quake of similar magnitude would.

Following is the intensity map of the event:



SHAKING	Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
DAMAGE	None	None	None	Very light	Light	Moderate	Moderate/heavy	Heavy	Very heavy
PGA(%g)	<0.0464	0.297	2.76	6.2	11.5	21.5	40.1	74.7	>139
PGV(cm/s)	<0.0215	0.135	1.41	4.65	9.64	20	41.4	85.8	>178
INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+

Scale based on Worden et al. (2012)

Version 4: Processed 2024-09-12T07:33:48Z

△ Seismic Instrument ○ Reported Intensity

★ Epicenter

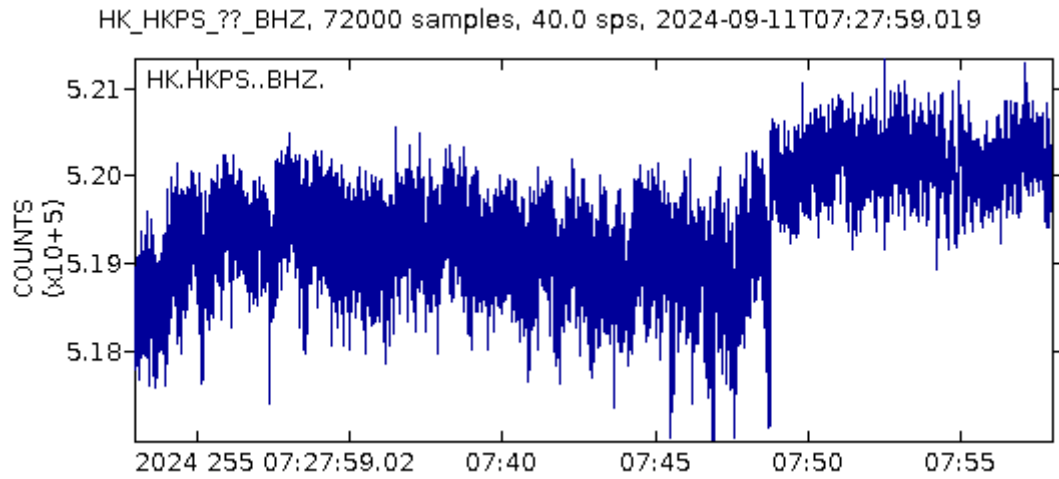
Selected Exposed Cities

Following is an overview of list of selected exposed cities:

MMI	City	Population
V	Karor	26 k
V	Layyah	79 k
IV	Moza Shahwala	1 k
IV	Basti Dosa	2 k
IV	Bakhri Ahmad Khan	2 k
IV	Kot Sultan	10 k
IV	Multan	1,437 k
IV	Sargodha	543 k
IV	Dera Ghazi Khan	236 k
III	Jhang Sadr	341 k

Waveform

Following is an image of the waveform, recorded at one station:



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Disclaimer

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PSCE Newsletter



Pakistan Society of Civil Engineers

Head Office: 17 Km Shahdara – Kalakhtai/Narang Mandi Road, Distt Sheikhpura, Pakistan
Liaison Office: 14 A/1, Block P, Model Town Extension, Lahore 54700, Punjab, Pakistan

Tel.: +92 42 3571 3362; +92 42 3571 3363; +92 42 3571 3364

Email: psce@psce.org.pk

URL: www.psce.org.pk

Editor-in-chief: Rizwan Mirza, CE