

**Summary** On May 28, 2025, around 19:11 local time, the moon is predicted to be easily visible across most cities in Pakistan. This assessment is based on a visibility criterion of 'A', indicating easy visibility, a relatively high moon altitude of approximately  $19.0^{\circ}$  above the horizon, and an illumination of 3.3%, which is considered sufficiently bright for good visibility. Individual city reports, including Dir, Gilgit, Islamabad, Jiwani, Karachi, Lahore, Mansehra, Multan, Muzaffarabad, Peshawar, Quetta and Swabi, consistently echo these favorable conditions for moon observation.

## Report of Findings

- **Visibility Prediction:** The moon is predicted to be easily visible in most cities of Pakistan on May 28, 2025.
- **Visibility Criterion:** The visibility criterion is 'A', which signifies 'Easily visible'.
- **Moon Altitude:** The moon altitude is approximately  $19.0^{\circ}$  across most cities, indicating a high position above the horizon. In Gilgit, the moon altitude is  $18.0^{\circ}$ , still reasonably high.
- **Illumination:** The moon's illumination is 3.3%, which is considered relatively high for visibility purposes.

## Key Factors Affecting Moon Visibility

- **Visibility Criterion:** The 'A' criterion is a primary indicator of easy visibility.
- **Moon Altitude:** A higher altitude above the horizon makes the moon easier to spot.
- **Illumination:** A higher percentage of illumination increases the brightness of the moon, enhancing visibility.

## Conclusion

Based on the provided data, moon visibility in Pakistan on May 28, 2025, is expected to be **high**.