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No. C1-11(16)/2023-24/197-208  
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Karachi, the 12<sup>th</sup> March, 2024

Director,  
Research and Reference Wing,  
Ministry of Religious Affairs,  
Government of Pakistan,  
ISLAMABAD.

Subject: **CO-ORDINATES & CHANCE FOR SIGHTING OF THE NEW MOON OF SHAWWAL 1445 AH ON 09-04-2024.**

The new moon of **Shawwal 1445 AH** will be born on crossing conjunction point at **23-21 PST** on **08-04-2024**. Astronomical parameters of new moon and average cloud amounts at Pilot Balloon Observatories of Pakistan Meteorological Department are attached herewith.

According to astronomical parameters, there is a **Chance** of sighting the new moon of **Shawwal 1445 AH** on the evening of **09-04-2024** i.e. on 29<sup>th</sup> of Ramzan 1445 AH.

According to climate record, the weather is expected to be partly cloudy/fair in most parts of the country.

( **DR. MUHAMMAD HASAN ALI BAIG** )  
Director CDPC, Karachi.

Encl. :-( 02)

Copy to :

1. Director-General, Met. Services, Islamabad.
2. Chief Meteorologist, Karachi/Islamabad.
3. Director, R.M.C Karachi/Lahore/Peshawar/Gilgit/Quetta.
4. Deputy Director, NMCC, Karachi.
5. Director, Operation (Met.), Rear Air HQ, Peshawar.
6. Hydrographer, Hydrographic Department, Naval HQ, Liaquat Barracks, Karachi.

**Government of Pakistan**  
**Ministry of Aviation Division**  
**Pakistan Meteorological Department**  
**Climate Data Processing Centre**

**CO-ORDINATES OF NEW MOON OF SHAWWAL 1445 A.H. FALLING ON 09-04-2024.**

S.NO. & STATION	TIME OF SUNSET	TIME OF E.C.T.L	TIME OF MOONSET	AGE OF NEW MOON AT ECTL	POSITION OF THE NEW MOON AT THE TIME OF				DURATION OF NEW MOON AFTER		Illumination	CLOUD CLIMAT OLOGY AT 5.00 P.M
					SUNSET		E.C.T.L		SUNSET	E.C.T.L		TOTAL CLOUDS
					ALT. Dg-Mt	AZIM. Dg-Mt	ALT. Dg-Mt	AZIM. Dg-Mt				
Hrs-Mts	Hrs-Mts	Hrs-Mts	Hrs-Mts	Hrs-Mts	Dg-Mt	Dg-Mt	Dg-Mt	Dg-Mt	Mts.	Mts.	%	Oktas
<b>Federal Capital Territory</b>												
1.ISLAMABAD	18-36	19-02	19-31	19-41	09-07	279-23	04-08	282-49	55	29	0.97	4.6
<b>Azad Jammu Kashmir</b>												
2. MUZAFFARABAD	18-36	19-01	19-30	19-40	08-56	279-27	04 -11	282-50	54	29	0.97	4.8
<b>Balochistan</b>												
3. BARKHAN	18-48	19-12	19-40	19-51	08-56	279-50	04-09	282-41	52	28	0.99	3.1
4. DALBANDIN	19-08	19-32	20-00	20-11	09-14	279-51	04-23	282-37	52	28	1.02	2.9
5. JIWANI	19-13	19-37	20-04	20-16	09-48	279-58	04-46	282-22	51	27	1.03	1.5
6. KALAT	19-01	19-25	19-40	20-04	08-49	280-01	03-59	282-48	52	15	1.01	2.8
7. KHUZDAR	18-59	19-23	19-51	20-02	08-59	280-02	04 -05	282-42	52	18	1.01	2.9
8. NOKKUNDI	19-14	19-38	20-07	20-17	09-24	279-48	04-33	282-33	53	29	1.03	2.4
9. PASNI	19-06	19-29	19-57	20-08	09-50	279-55	05-01	282-13	51	28	1.02	1.1
10. PUNJGUR	19-08	19-32	19-59	20-11	09-10	280-03	04-14	282-39	51	27	1.02	2.1
11. QUETTA	19-01	19-25	19-54	20-04	08-46	279-58	04-00	282-51	53	29	1.01	4.2
12. ZHOB	18-51	19-15	19-44	19-54	08-48	279-49	04-05	282-48	53	29	0.99	3.0
<b>Gilgit Baltistan</b>												
13. GILGIT	18-35	19-01	19-34	19-40	08-42	279-32	03-52	283-11	59	33	0.96	5.4
14. SKARDU	18-30	18-56	19-27	19-35	08-28	279-42	03-36	283-17	57	31	0.96	5.3
<b>Khyber Pakhtunkhwa</b>												
15. CHITRAL	18-45	19-11	19-41	19-50	08-47	279-32	03-57	283-10	56	30	0.98	4.7
16. D.I.KHAN	18-42	19-07	19-36	19-46	09-27	279-21	04-33	282-29	54	29	0.98	2.9
17. DROSH	18-45	19-11	19-41	19-50	08-46	279-33	03-55	283-10	56	30	0.98	4.6
18. PARACHINAR	18-53	19-19	19-46	19-58	08-19	279-59	03-23	283-27	53	27	0.99	5.3
19. PESHAWAR	18-42	19-08	19-37	19-47	09-15	279-18	04-17	282-46	55	29	0.98	4.9

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S.NO. & STATION	TIME OF SUNSET	TIME OF E.C.T.L	TIME OF MOONSET	AGE OF NEW MOON AT ECTL	POSITION OF THE NEW MOON AT THE TIME OF				DURATION OF NEW MOON AFTER		Illumination	CLLOUD CLIMAT OLOGY AT 5.00 P.M
					SUNSET		E.C.T.L		SUNSET	E.C.T.L		TOTAL CLOUDS
					ALT.	AZIM.	ALT.	AZIM.				
	Hrs-Mts	Hrs-Mts	Hrs-Mts	Hrs-Mts	Dg-Mt	Dg-Mt	Dg-Mt	Dg-Mt	Mts.	Mts.	%	Oktas
<b>Punjab</b>												
20.BAHAWALNAGAR	18-32	18-56	19-24	19-35	09-11	279-36	01-32	284-16	52	28	0.96	2.3
21. JHELUM	18-32	18-57	19-26	19-36	09-17	279-18	04-27	282-33	54	29	0.96	3.6
22. KHANPUR	18-41	19-05	19-32	19-44	09-20	279-41	04-28	282-25	51	27	0.97	1.8
23. LAHORE	18-29	18-54	19-21	19-33	09-09	279-29	04-14	282-36	52	27	0.95	2.7
24. MULTAN	18-39	19-03	19-31	19-42	09-21	279-31	04-34	282-24	52	28	0.97	2.7
25.OKARA	18-32	18-56	19-24	19-35	09-10	279-32	04-25	282-28	52	28	0.96	-
26. SIALKOT	18-29	18-54	19-22	19-33	09-08	279-25	04-16	282-37	53	28	0.95	3.1
<b>Pakistan Air Force</b>												
27.KOHAT	18-43	19-08	19-38	19-47	09-07	279-26	04-19	282-44	55	30	0.98	4.3
28.MINHAS	18-39	19-04	19-34	19-43	09-09	279-22	04-22	282-41	55	30	0.97	4.4
29.MM ALAM	18-41	19-06	19-35	19-45	09-14	279-25	04-23	282-37	54	29	0.97	4.1
30.MURID	18-40	19-05	19-35	19-44	08-41	279-45	03-50	282-59	55	30	0.97	-
31.RISALPUR.	18-41	19-06	19-36	19-40	09-08	279-22	04-22	282-43	52	27	0.97	4.7
32. RAFIQUI	18-36	19-01	19-28	19-40	09-25	279-26	04-27	282-29	52	27	0.97	3.1
33. SARGODHA	18-36	19-01	19-29	19-40	09-13	279-26	04-20	282-36	53	28	0.97	3.4
<b>Sindh</b>												
34. CHHOR	18-41	19-04	19-31	19-43	09-35	279-52	04-47	282-13	50	27	0.97	1.6
35. HYDERABAD	18-47	19-10	19-37	19-49	09-30	279-56	04-42	282-17	50	27	0.98	1.7
36. JACOBABAD	18-49	19-13	19-41	19-52	09-32	279-39	04-39	282-21	52	28	0.99	2.1
37 KARACHI	18-52	19-15	19-42	19-54	10-26	279.15	05-42	281-48	50	27	0.99	1.6
38. NAWABSHAH	18-48	19-11	19-38	19-50	09-29	279-52	04-43	282-16	50	27	0.99	2.0

- E.C.T.L=End of civil twilight
- ALT=Altitude, AZIM=Azimuth
- Hrs=Hours ,Mts=Minutes, Dg=Degree