

Flood Forecast

Water Level (m)

#	Name	Lat (deg)	Lon (deg)	HFL (m)	Danger Level (m)	Warning Level (m)	Observed Water Level (m)**	Forecasted Water Level, (m)								
								15 October, 2021			16 October, 2021			17 October, 2021		
								12:00	18:00	24:00	06:00	12:00	18:00	24:00	12:00	24:00
1	Barakhshetra	26.8780	87.1647	132.18	120.3	119.3	10-15 12:00 115.10	115.21	115.21	115.20	115.20	115.19	115.19	115.18	115.17	115.06
2	Chatra Bazar* (47 km u/s)	26.8304	87.1521	117	113.45	112.25		104.22	104.22	104.22	104.21	104.21	104.21	104.21	104.20	104.16
3	Rajabas* (27 km u/s)	26.7179	87.0967	95.7	94.7	93.7		91.55	91.55	91.54	91.54	91.54	91.54	91.54	91.54	91.52
4	Birpur (D/S)	26.5302	86.9308	76.02	74.70	73.70	10-15 11:00 74.18 ¹	74.18	74.18	74.18	74.18	74.18	74.18	74.18	74.17	74.17
5	Kosi Mahasetu*	26.2826	86.6524	61.1	58	57	10-15 11:00 55.26 ¹	55.30	55.30	55.30	55.30	55.30	55.30	55.30	55.29	55.29
6	Basua (64.25 km d/s)	26.1321	86.5247	49.24	47.75	46.75	10-15 09:00 46.46 ²	46.56	46.55	46.55	46.55	46.55	46.55	46.55	46.55	46.55
7	Baluwaha Bridge*	25.879	86.4436	43.1	42	40	10-15 11:15 41.16 ¹	41.27	41.25	41.23	41.21	41.19	41.18	41.17	41.15	41.14
8	Dumri*	25.542	86.7237	36.40	33.85	32.85	10-15 08:00 32.70	32.83	32.82	32.80	32.77	32.73	32.68	32.65	32.58	32.54
9	Baltara	25.503	86.7365	36.40	33.85	32.85	10-15 09:00 32.70 ²	32.80	32.80	32.78	32.75	32.72	32.68	32.64	32.57	32.53
10	Vijay Ghat Bridge*	25.417	87.0580	33.5	31	30		29.84	29.77	29.75	29.73	29.72	29.70	29.68	29.63	29.59
11	Kursela	25.423	57.2335	32.1	30	29	10-15	28.64	28.64	28.64	28.64	28.64	28.64	28.64	28.64	28.64

Legend:

Normal Water Level	
Above Warning Level	
Above Danger Level	

Water Level forecast based on IMD Rainfall Forecast as on 15 October, 2021 12:22 IST.

*HFL, Warning Level and Danger Level are tentative.

**Source: ¹WRD-GoB (RTDAS), ²CWC-GoI

Software used HEC-HMS 4.2.1 and HEC-RAS 5.0.6

Disclaimer: Forecast is subject to uncertainty due to rainfall forecasts, model parameters, error in measurement and other unknown factors.

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Water Level (m)

#	Name	Lat (deg)	Lon (deg)	HFL (m)	Danger Level (m)	Warning Level (m)	Observed Water Level (m)**	Forecasted Water Level, (m)								
								15 October, 2021			16 October, 2021			17 October, 2021		
								12:00	18:00	24:00	06:00	12:00	18:00	24:00	12:00	24:00
							10:00 28.65 ²									
12	Dagmara* (On Khando)	26.409	86.7415	62.5	61.5	60.5		58.76	58.75	58.75	58.76	58.77	58.76	58.76	58.75	58.75
13	Laukaha*	26.546	86.478	80.8	79.8	78.8		77.80	77.80	77.80	77.80	77.80	77.80	77.80	77.80	77.80
14	Phulparas*	26.370	56.5214	61.8	60.8	59.8	10-15 11:00 57.59 ¹	57.66	57.66	57.66	57.66	57.66	57.66	57.66	57.66	57.66
15	Jainagar*	26.591	86.1458	71.35	67.75	66.75	10-15 11:00 66.98 ¹	67.03	67.03	67.03	67.03	67.03	67.03	67.03	67.02	67.02
16	Jhanjharpur	26.268	86.2703	53.11	50	49	10-15 10:45 48.87 ¹	48.91	48.91	48.92	48.92	48.93	48.93	48.93	48.92	48.92
17	Kothram*	25.918	26.3442	46.27	44.00	43.00	10-15 08:00 42.30	42.33	42.33	42.33	42.33	42.33	42.33	42.34	42.35	42.36

Legend:

Normal Water Level	
Above Warning Level	
Above Danger Level	

Water Level forecast based on IMD Rainfall Forecast as on 15 October, 2021 12:22 IST.

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**Source: ¹WRD-GoB (RTDAS), ²CWC-GoI

Software used HEC-HMS 4.2.1 and HEC-RAS 5.0.6

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Flood Forecast

Discharge (m³/s)

#	Name	Lat	Long	Observed.	15 October, 2021			16 October, 2021				17 October, 2021	
					12:00	18:00	24:00	06:00	12:00	18:00	24:00	12:00	24:00
1	Barakhshetra	26.8780	87.1647	10-15 10:00 1048.00 ¹	1 081.83	1 079.27	1 076.74	1 074.21	1 071.69	1 069.19	1 066.69	1 061.74	1 012.09
2	Chatra Bazar	26.8304	87.1521		1 081.93	1 079.38	1 076.85	1 074.32	1 071.80	1 069.30	1 066.80	1 061.85	1 014.18
3	Rajabas	26.7179	87.0967		1 094.70	1 092.07	1 089.47	1 086.87	1 084.30	1 081.73	1 079.18	1 074.10	1 043.94
4	Birpur (D/S)	26.5302	86.9308	10-15 10:00 1462.00 ¹	1 497.79	1 496.68	1 495.46	1 494.10	1 493.28	1 491.69	1 490.01	1 486.33	1 481.83
5	Kosi Mahasetu	26.2826	86.6524		1 499.83	1 498.99	1 498.09	1 496.94	1 495.72	1 494.40	1 493.27	1 490.37	1 486.74
6	Basua	26.1321	86.5247		1 502.25	1 499.08	1 498.45	1 498.08	1 497.29	1 496.16	1 494.88	1 492.42	1 489.23
7	Baluwaha Bridge	25.879	86.4436		1 829.91	1 790.26	1 755.29	1 724.82	1 700.31	1 681.70	1 668.14	1 652.51	1 644.79
8	Dumri	25.542	86.7237	10-15 08:00 1924.00 ¹	2 060.69	2 046.81	2 021.58	1 987.57	1 949.34	1 907.45	1 869.09	1 810.67	1 779.98
9	Baltara	25.503	86.7365		2 360.97	2 349.43	2 326.56	2 294.03	2 256.70	2 215.42	2 176.54	2 115.78	2 083.21
10	Vijay Ghat Bridge	25.417	87.0580		2 572.58	2 601.26	2 579.01	2 556.83	2 529.94	2 498.05	2 461.71	2 388.71	2 327.78
11	Kursela	25.423	57.2335		3 165.70	2 828.05	2 784.42	2 760.40	2 734.86	2 704.49	2 669.27	2 593.59	2 526.06
12	Dagmara (On Khando)	26.409	86.7415		40.47	40.28	40.09	40.57	40.84	40.66	40.47	40.09	40.28

Discharge Forecast based on IMD Rainfall forecast as on 15 October, 2021 12:22 IST.

Forecasted discharge in cumec (m³/s).

*Source: ¹WRD-GOB (CE, Birpur) ²WRD-GOB (Hydrology Directorate)

Software used HEC-HMS 4.2.1 & HEC-RAS 5.0.6

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Kosi Flood Bulletin

Date: 15 October, 2021 12:22

#	Name	Lat	Long	Observed.	15 October, 2021			16 October, 2021				17 October, 2021	
13	Laukaha	26.546	86.478		40.69	40.65	40.51	40.40	40.35	40.30	40.28	40.27	40.78
14	Phulparas	26.370	86.5214		40.55	40.54	40.64	40.63	40.53	40.43	40.37	40.29	40.27
15	Jainagar	26.591	86.1458		42.00	41.88	41.75	41.63	41.50	41.37	41.25	41.00	40.74
16	Jhanjharpur	26.268	86.2703		40.02	40.11	40.76	41.51	41.80	41.81	41.72	41.48	41.23
17	Kothram	25.918	26.3442	10-15 08:00 82.00 ¹	85.23	85.23	85.23	85.23	85.23	85.30	85.50	86.22	86.71

Discharge Forecast based on IMD Rainfall forecast as on 15 October, 2021 12:22 IST.

Forecasted discharge in cumec (m³/s).

*Source: ¹WRD-GOB (CE, Birpur) ²WRD-GOB (Hydrology Directorate)

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