

## Flood Forecasting and Warning Center, Bangladesh Water Development Board

Web: [www.ffwc.gov.bd](http://www.ffwc.gov.bd), Email: [ffwcbwdb@gmail.com](mailto:ffwcbwdb@gmail.com)

Medium Range 1-10 days Probabilistic Forecast

Forecast As of August 14, 2018

### Outlook for Next 10 Days:

- Brahmaputra-Jamuna river system may remain steady. No probability of Danger Level exceedance s forecasted during this period.
- Ganges-Padma River may remain steadily fall. No probability of Danger Level exceedance s forecasted during this period.
- Rivers around Dhaka city may remain steady.

For viewing interactive hydrographs of the Medium Range forecast please visit: <http://ffwc.gov.bd/index.php/hydrograph/medium-range-1-10-days-forecast>

### আগামী ১০ দিনের সম্ভাব্য পূর্বাভাস

- বঙ্গপুত্র-যমুনা নদীর পানি সমতল স্থিতিশীল থাকতে পারে।পূর্বাভাসে বিপদসীমা অতিক্রম করার সম্ভাবনা নেই।
- গংগা-পদ্মা অববাহিকার পানি সমতল হ্রাস পেতে পারে।পূর্বাভাসে বিপদসীমা অতিক্রম করার সম্ভাবনা নেই।
- ঢাকা এর চারপাশের নদ-নদীসমূহের পানি সমতল স্থিতিশীল থাকতে পারে।পূর্বাভাসে বিপদসীমা অতিক্রম করার সম্ভাবনা নেই।

১০ দিনের সম্ভাব্যতা ভিত্তিক পূর্বাভাসের ইন্টার্যাক্টিভ হাইড্রোগ্রাফ দেখতে এই লিংক এ যেতে পারেন <http://ffwc.gov.bd/index.php/hydrograph/medium-range-1-10-days-forecast>

Forecast made on: 14-08-2018 (Page 1/5)

			today	1-day fore- cast	2-day fore- cast	3-day fore- cast	4-day fore- cast	5-day fore- cast	6-day fore- cast	7-day fore- cast	8-day fore- cast	9-day fore- cast	10-day fore- cast	
Water Level in [m]			14-08	15-08	16-08	17-08	18-08	19-08	20-08	21-08	22-08	23-08	24-08	Forecast type
River	Station	D.L	0600	0600	0600	0600	0600	0600	0600	0600	0600	0600	0600	
Jamuna	Bahadurabad	19.50	18.76	18.81	18.87	18.91	18.92	18.88	18.80	18.69	18.61	18.62	18.72	Upper Range
				18.80	18.85	18.87	18.86	18.78	18.67	18.54	18.40	18.38	18.38	Lower Range
				18.80	18.86	18.89	18.89	18.83	18.74	18.63	18.54	18.51	18.54	Mean
Jamuna	Sariakandi	16.70	16.15	16.17	16.23	16.28	16.32	16.29	16.23	16.13	16.02	15.99	16.04	Upper Range
				16.17	16.21	16.25	16.26	16.20	16.11	15.98	15.84	15.77	15.76	Lower Range
				16.17	16.22	16.26	16.29	16.25	16.17	16.06	15.96	15.90	15.90	Mean
Jamuna	Kazipur	14.85	14.21	14.22	14.27	14.32	14.37	14.34	14.29	14.20	14.10	14.05	14.09	Upper Range
				14.22	14.26	14.29	14.31	14.27	14.18	14.06	13.93	13.85	13.83	Lower Range
				14.22	14.26	14.30	14.34	14.31	14.24	14.14	14.03	13.97	13.96	Mean
Jamuna	Serajganj	13.35	12.52	12.52	12.57	12.61	12.66	12.65	12.60	12.51	12.42	12.36	12.39	Upper Range
				12.52	12.56	12.59	12.62	12.58	12.50	12.38	12.25	12.16	12.14	Lower Range
				12.52	12.56	12.60	12.64	12.61	12.55	12.45	12.35	12.28	12.26	Mean
Jamuna	Aricha	9.40	8.63	8.59	8.59	8.60	8.62	8.62	8.59	8.52	8.44	8.36	8.32	Upper Range
				8.61	8.63	8.64	8.64	8.61	8.55	8.45	8.33	8.21	8.13	Lower Range
				8.59	8.58	8.59	8.60	8.59	8.54	8.46	8.36	8.26	8.21	Mean
Ganges- Padma	Hardinge Bridge	14.25	12.72	12.63	12.60	12.58	12.57	12.52	12.42	12.31	12.17	12.04	11.96	Upper Range
				12.80	12.77	12.72	12.67	12.57	12.41	12.21	11.99	11.77	11.63	Lower Range
				12.63	12.58	12.55	12.51	12.44	12.31	12.14	11.97	11.82	11.71	Mean

Forecast made on: 14-08-2018 (Page 2/5)

			today	1-day fore- cast	2-day fore- cast	3-day fore- cast	4-day fore- cast	5-day fore- cast	6-day fore- cast	7-day fore- cast	8-day fore- cast	9-day fore- cast	10-day fore- cast	
Water Level in [m]			14-08	15-08	16-08	17-08	18-08	19-08	20-08	21-08	22-08	23-08	24-08	Forecast type
River	Station	D.L	0600	0600	0600	0600	0600	0600	0600	0600	0600	0600	0600	
Padma	Goalondo	8.50	8.22	8.18	8.17	8.18	8.20	8.20	8.16	8.10	8.02	7.93	7.89	Upper Range
				8.20	8.22	8.22	8.22	8.19	8.13	8.03	7.90	7.78	7.69	Lower Range
				8.18	8.17	8.17	8.18	8.17	8.11	8.03	7.93	7.83	7.77	Mean

Padma	Bhagyakul	6.30	5.54	5.94	5.93	5.94	5.95	5.96	5.93	5.88	5.81	5.74	5.70	Upper Range
				5.90	5.92	5.92	5.92	5.90	5.85	5.78	5.68	5.57	5.48	Lower Range
				5.94	5.93	5.93	5.94	5.93	5.89	5.82	5.74	5.66	5.60	Mean
Padma	Mawa	6.10	4.31	4.27	4.26	4.27	4.28	4.28	4.26	4.21	4.16	4.10	4.06	Upper Range
				4.28	4.30	4.30	4.30	4.28	4.24	4.18	4.10	4.00	3.91	Lower Range
				4.27	4.26	4.26	4.26	4.26	4.23	4.17	4.10	4.03	3.98	Mean
Padma	Sureshwar	4.40	4.05	4.02	4.01	4.01	4.02	4.02	4.01	3.98	3.93	3.89	3.86	Upper Range
				4.03	4.04	4.04	4.04	4.03	4.00	3.95	3.89	3.80	3.73	Lower Range
				4.02	4.01	4.01	4.01	4.01	3.98	3.94	3.89	3.84	3.79	Mean
Old Brahmaputra	Jamalpur	17.00	14.30	14.18	14.08	14.03	14.07	14.10	14.13	14.14	14.11	14.03	13.95	Upper Range
				14.18	14.08	14.03	14.05	14.06	14.06	14.03	13.96	13.86	13.76	Lower Range
				14.18	14.08	14.03	14.07	14.09	14.11	14.09	14.04	13.96	13.86	Mean
Old Brahmaputra	Mymensingh	12.50	8.49	8.45	8.40	8.35	8.32	8.28	8.28	8.28	8.28	8.28	8.27	Upper Range
				8.45	8.40	8.35	8.32	8.28	8.26	8.26	8.25	8.23	8.20	Lower Range
				8.45	8.40	8.35	8.32	8.28	8.27	8.27	8.27	8.26	8.24	Mean

Forecast made on: 14-08-2018 (Page 3/5)

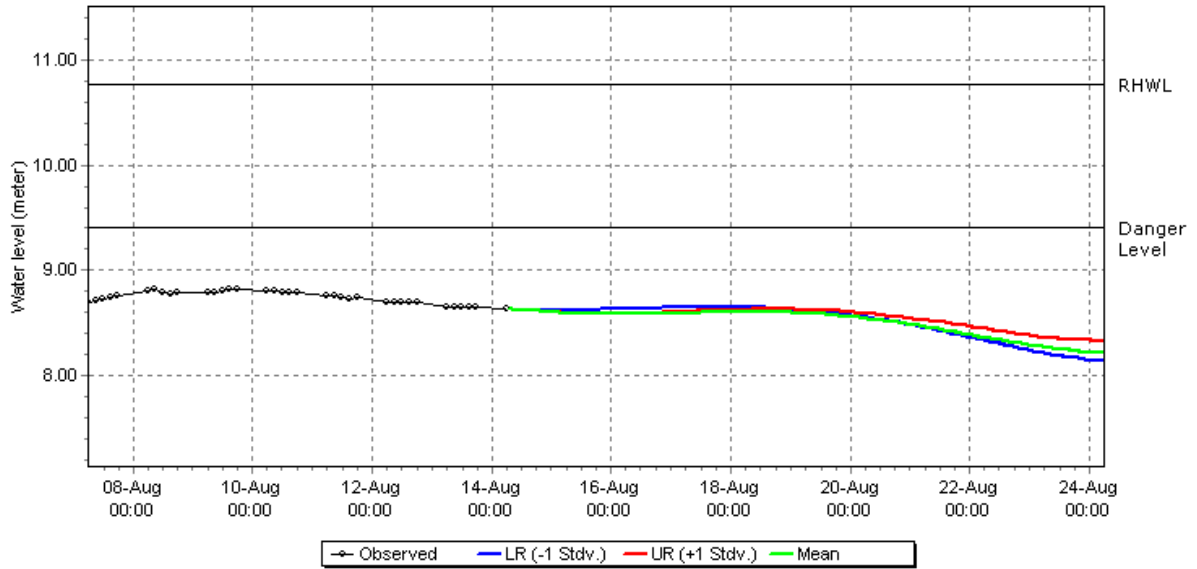
			today	1-day fore-cast	2-day fore-cast	3-day fore-cast	4-day fore-cast	5-day fore-cast	6-day fore-cast	7-day fore-cast	8-day fore-cast	9-day fore-cast	10-day fore-cast	
Water Level in [m]			14-08	15-08	16-08	17-08	18-08	19-08	20-08	21-08	22-08	23-08	24-08	Forecast type
River	Station	D.L	0600	0600	0600	0600	0600	0600	0600	0600	0600	0600	0600	
Dhaleswari	Elashinghat	11.40	10.75	10.72	10.73	10.77	10.82	10.83	10.80	10.73	10.64	10.57	10.55	Upper Range
				10.72	10.73	10.76	10.79	10.77	10.72	10.63	10.51	10.41	10.35	Lower Range
				10.72	10.73	10.76	10.80	10.80	10.76	10.68	10.58	10.50	10.46	Mean
Dhaleswari	Jagir	8.23	6.32	6.28	6.26	6.24	6.24	6.25	6.26	6.26	6.24	6.22	6.19	Upper Range
				6.28	6.26	6.24	6.24	6.24	6.25	6.23	6.20	6.17	6.12	Lower Range
				6.29	6.26	6.24	6.24	6.24	6.25	6.24	6.22	6.19	6.16	Mean
Dhaleswari	Rekabi Bazar (Munshiganj)	5.18	4.32	4.30	4.28	4.26	4.25	4.24	4.23	4.21	4.19	4.17	4.15	Upper Range
				4.30	4.29	4.27	4.26	4.25	4.23	4.22	4.19	4.15	4.12	Lower Range
				4.30	4.28	4.26	4.25	4.24	4.22	4.20	4.18	4.16	4.13	Mean
Tongi Khal	Tongi	6.08	5.03	5.02	5.00	4.99	4.98	4.96	4.96	4.95	4.93	4.92	4.91	Upper Range
				5.02	5.01	5.00	4.99	4.98	4.97	4.96	4.94	4.92	4.91	Lower Range

				5.02	5.00	4.99	4.98	4.97	4.96	4.95	4.93	4.92	4.90	Mean
Turag	Mirpur	5.94	4.91	4.95	4.93	4.92	4.90	4.89	4.88	4.87	4.85	4.84	4.82	Upper Range
				4.91	4.90	4.88	4.87	4.86	4.85	4.83	4.81	4.79	4.76	Lower Range
				4.94	4.93	4.91	4.90	4.88	4.87	4.86	4.84	4.82	4.80	Mean
Buriganga	Dhaka	6.00	4.20	4.86	4.83	4.82	4.80	4.79	4.78	4.77	4.75	4.73	4.72	Upper Range
				4.81	4.80	4.79	4.78	4.77	4.75	4.73	4.71	4.68	4.64	Lower Range
				4.85	4.83	4.81	4.80	4.79	4.77	4.76	4.74	4.71	4.69	Mean

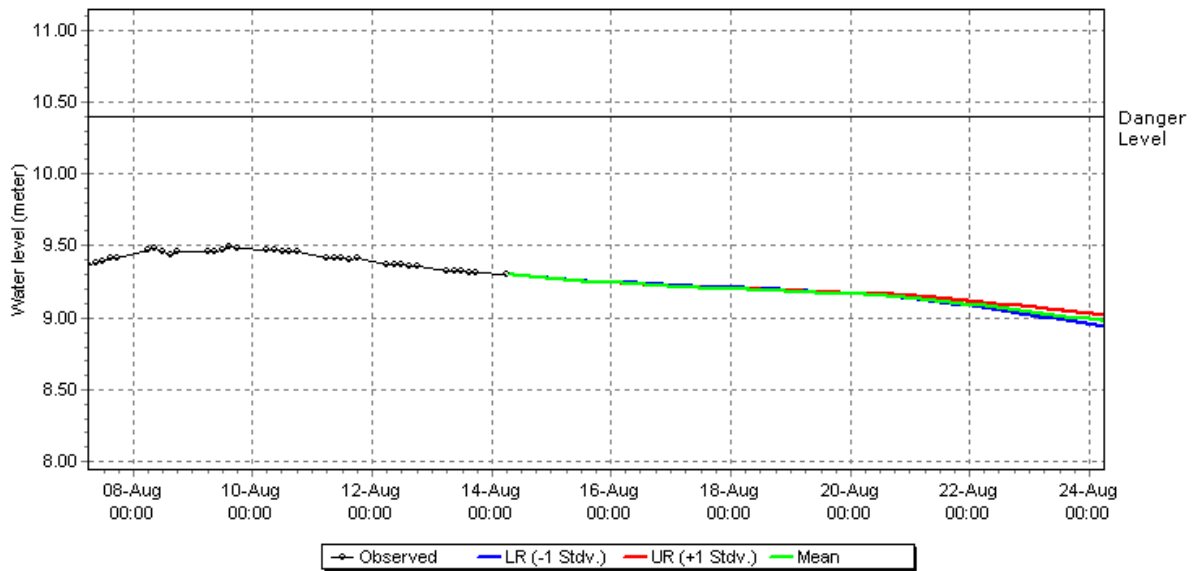
Forecast made on: 14-08-2018 (Page 4/5)

			today	1-day fore- cast	2-day fore- cast	3-day fore- cast	4-day fore- cast	5-day fore- cast	6-day fore- cast	7-day fore- cast	8-day fore- cast	9-day fore- cast	10-day fore- cast	
Water Level in [m]			14-08	15-08	16-08	17-08	18-08	19-08	20-08	21-08	22-08	23-08	24-08	Forecast type
River	Station	D.L	0600	0600	0600	0600	0600	0600	0600	0600	0600	0600	0600	
Balu	Demra	5.75	4.65	4.64	4.63	4.62	4.61	4.60	4.60	4.59	4.58	4.57	4.56	Upper Range
				4.65	4.64	4.63	4.63	4.62	4.61	4.61	4.60	4.58	4.57	Lower Range
				4.64	4.64	4.63	4.62	4.61	4.60	4.59	4.58	4.57	4.56	Mean
Lakhya	Narayanganj	5.50	4.67	4.65	4.64	4.63	4.61	4.60	4.60	4.58	4.57	4.55	4.54	Upper Range
				4.66	4.64	4.63	4.62	4.62	4.61	4.59	4.57	4.55	4.53	Lower Range
				4.65	4.64	4.63	4.62	4.61	4.60	4.58	4.56	4.55	4.53	Mean
Gorai	Gorai Rly Bridge	12.75	11.04	10.98	10.95	10.94	10.93	10.90	10.83	10.75	10.65	10.55	10.48	Upper Range
				11.08	11.07	11.04	11.00	10.93	10.83	10.67	10.50	10.32	10.18	Lower Range
				10.98	10.94	10.92	10.89	10.84	10.76	10.63	10.49	10.37	10.28	Mean
Gorai	Kamarkhali	8.20	7.23	7.15	7.09	7.07	7.05	7.04	6.99	6.90	6.81	6.69	6.59	Upper Range
				7.21	7.22	7.20	7.16	7.11	7.02	6.87	6.69	6.53	6.39	Lower Range
				7.15	7.09	7.05	7.02	6.98	6.91	6.80	6.65	6.52	6.42	Mean
Arial Khan	Madaripur	4.17	3.19	3.13	3.09	3.07	3.06	3.07	3.07	3.05	3.00	2.95	2.89	Upper Range
				3.13	3.10	3.09	3.09	3.09	3.07	3.03	2.97	2.88	2.79	Lower Range
				3.13	3.09	3.07	3.05	3.06	3.05	3.01	2.96	2.89	2.82	Mean
Atrai	Baghabari	10.40	9.30	9.26	9.23	9.21	9.20	9.18	9.17	9.14	9.10	9.06	9.02	Upper Range
				9.26	9.24	9.22	9.20	9.19	9.16	9.12	9.06	9.00	8.94	Lower Range
				9.26	9.23	9.21	9.20	9.18	9.16	9.12	9.08	9.02	8.97	Mean

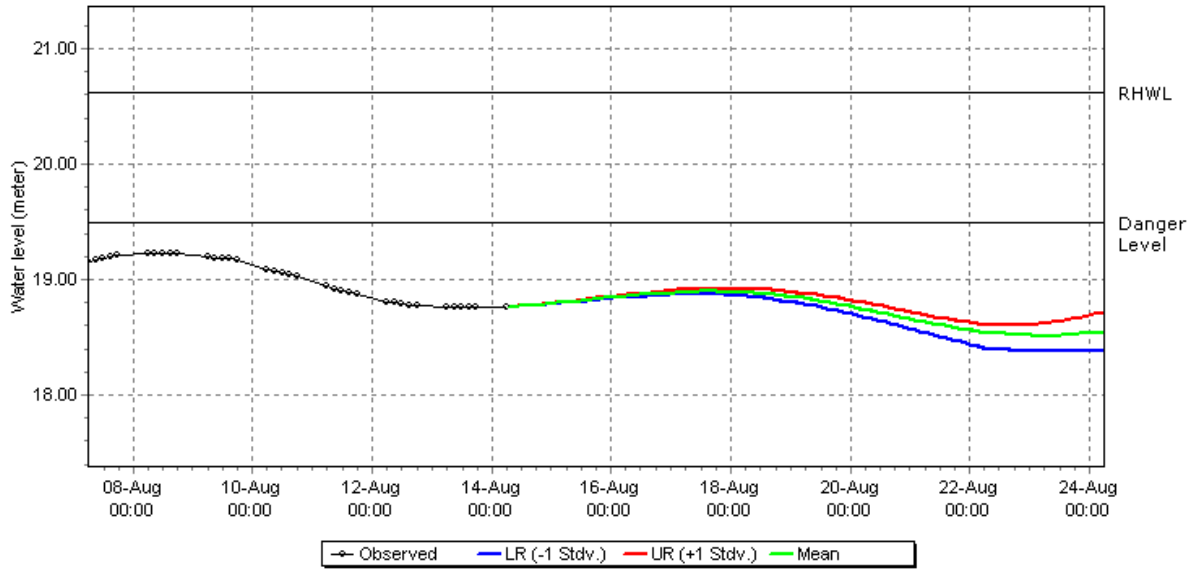
Jamuna River at Aricha (Year 2018)



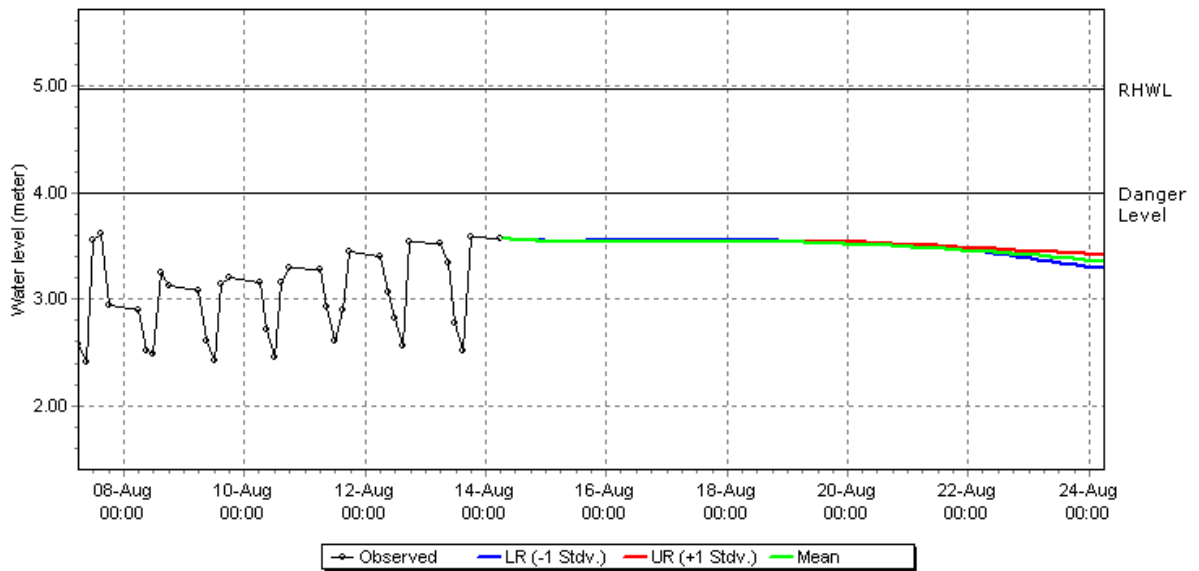
Atrai River at Baghabari (Year 2018)



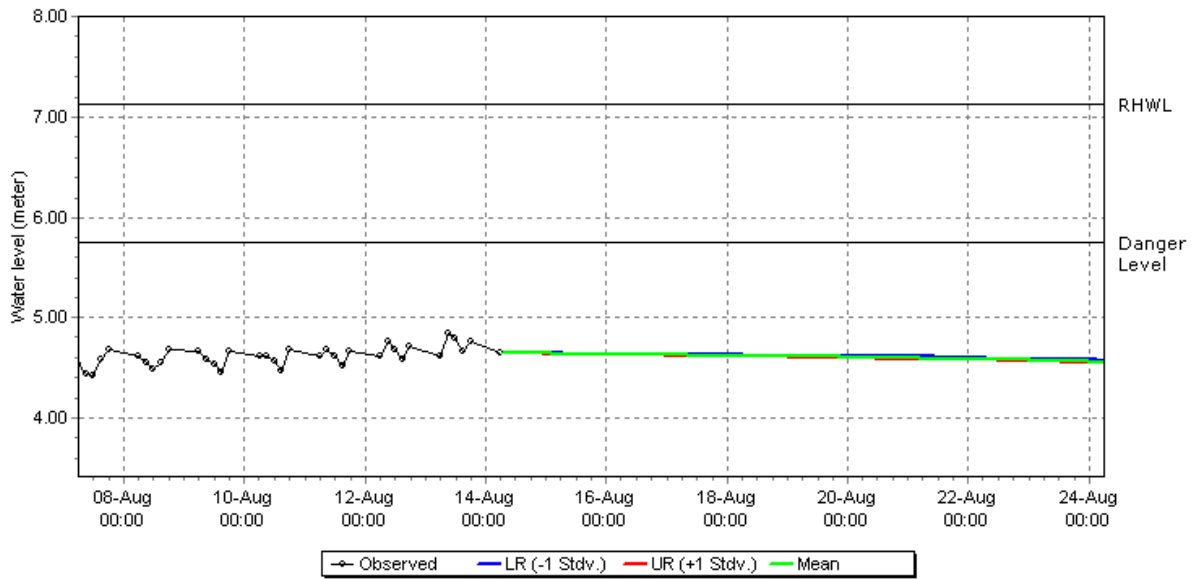
### Jamuna River at Bahadurabad (Year 2018)



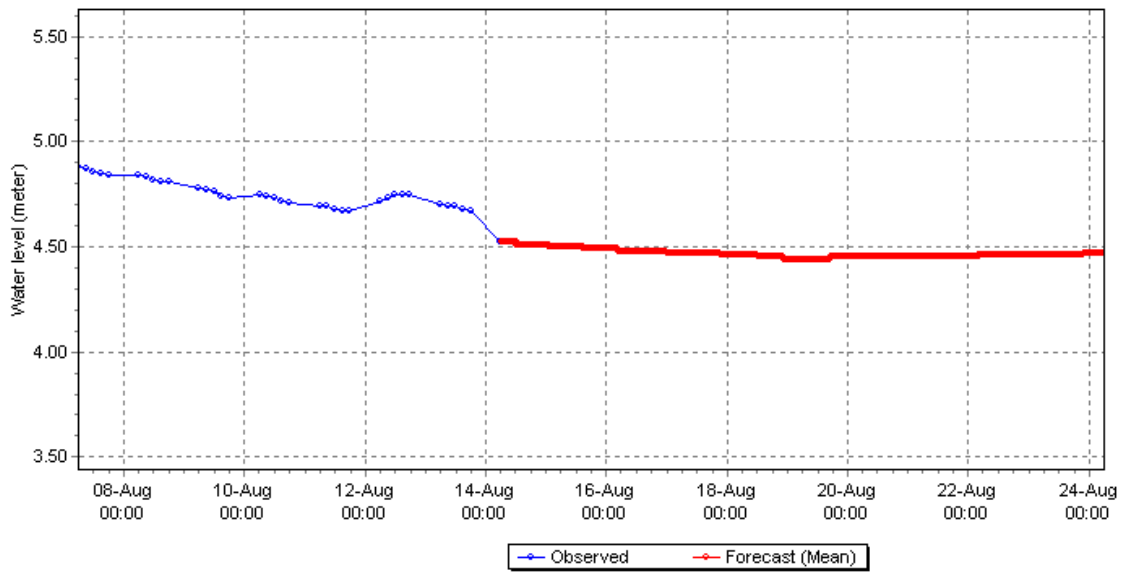
### Meghna River at Chandpur (Year 2018)



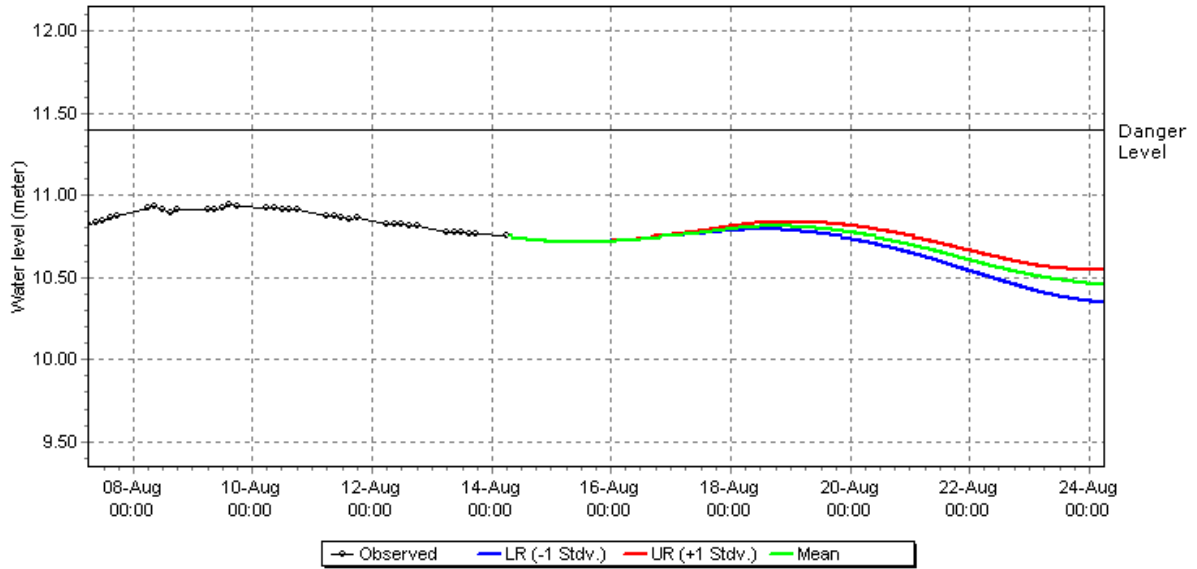
**Balu River at Demra (Year 2018)**



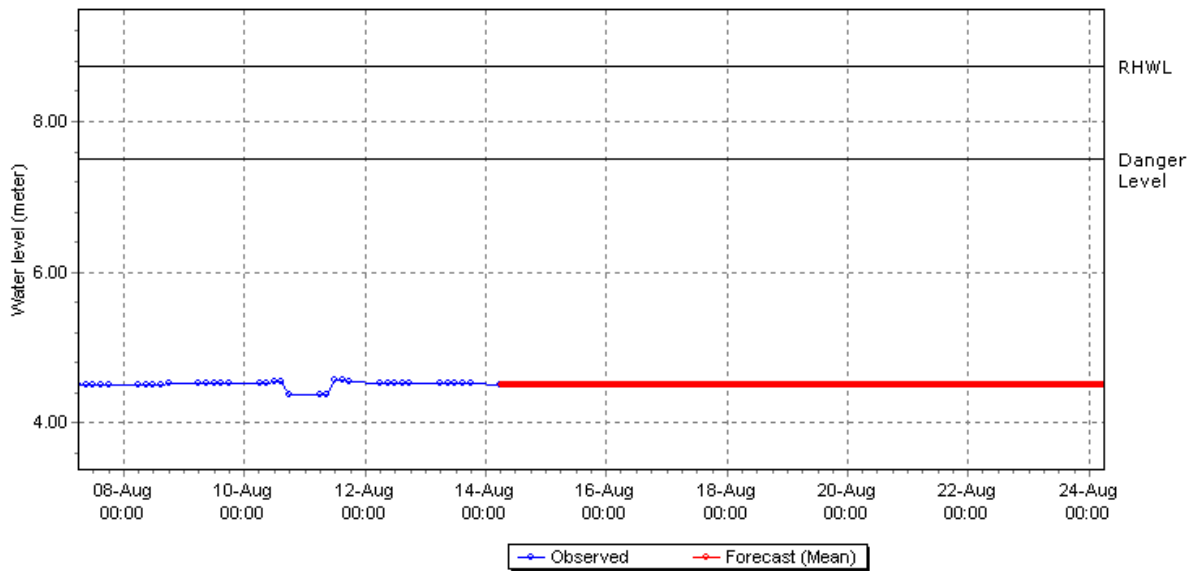
**Kalni (Old Surma) River at Dirai (Year 2018)**



Dhaleswari River at Elashinghat (Year 2018)

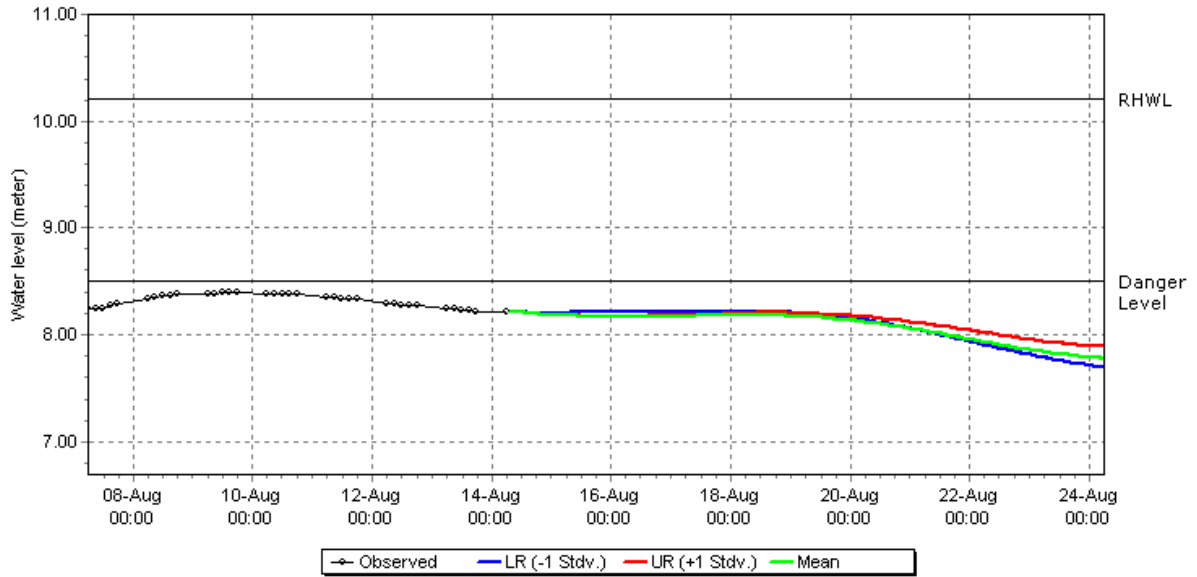


Kumar River at Faridpur (Year 2018)

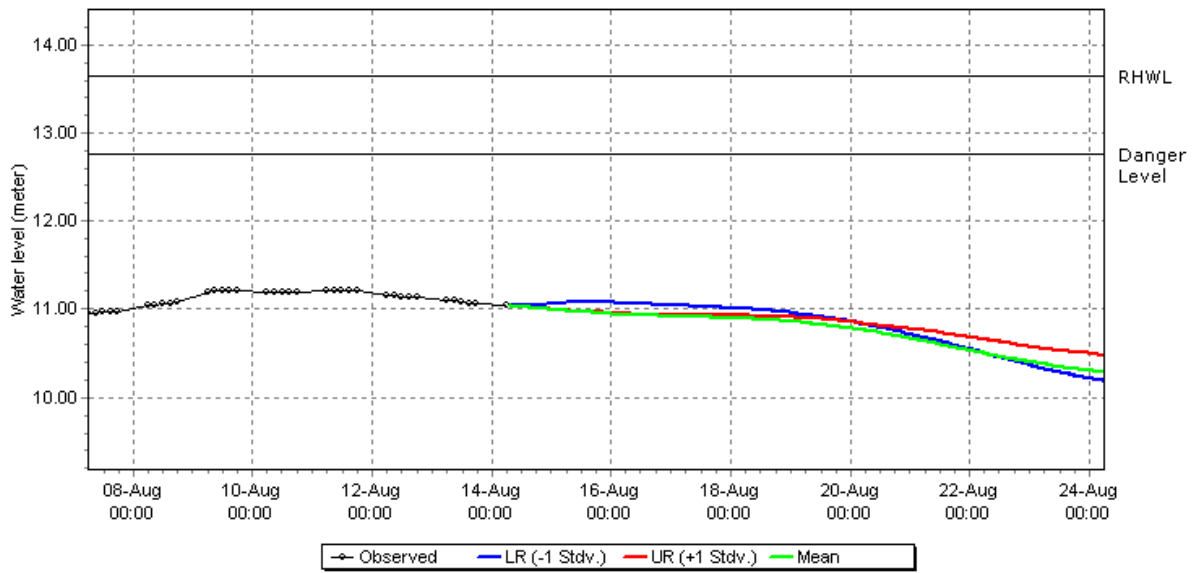




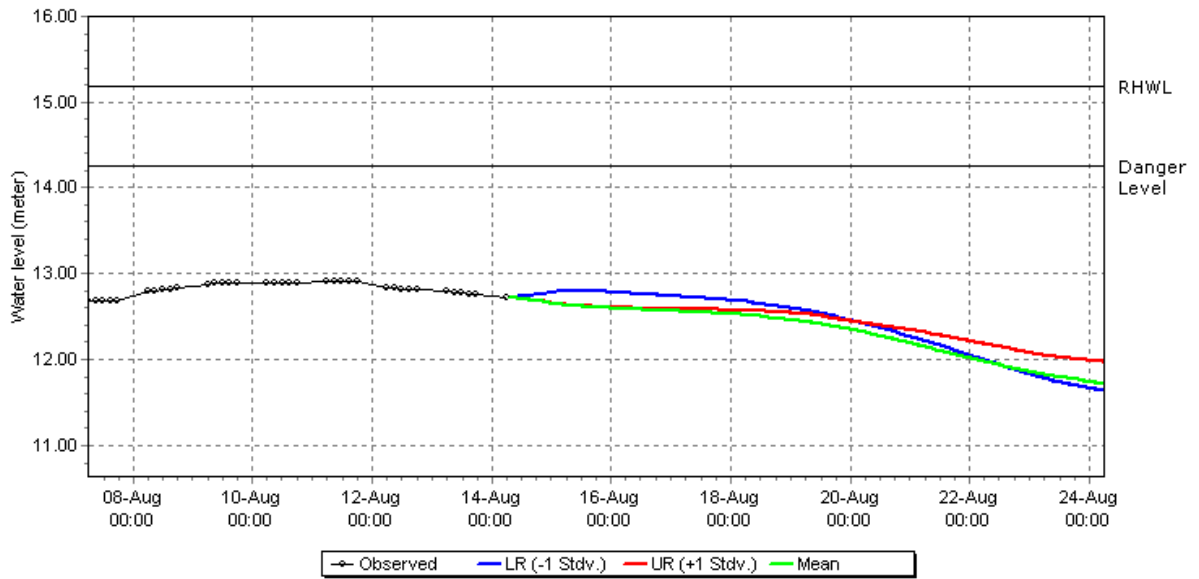
Padma River at Goalondo (Year 2018)



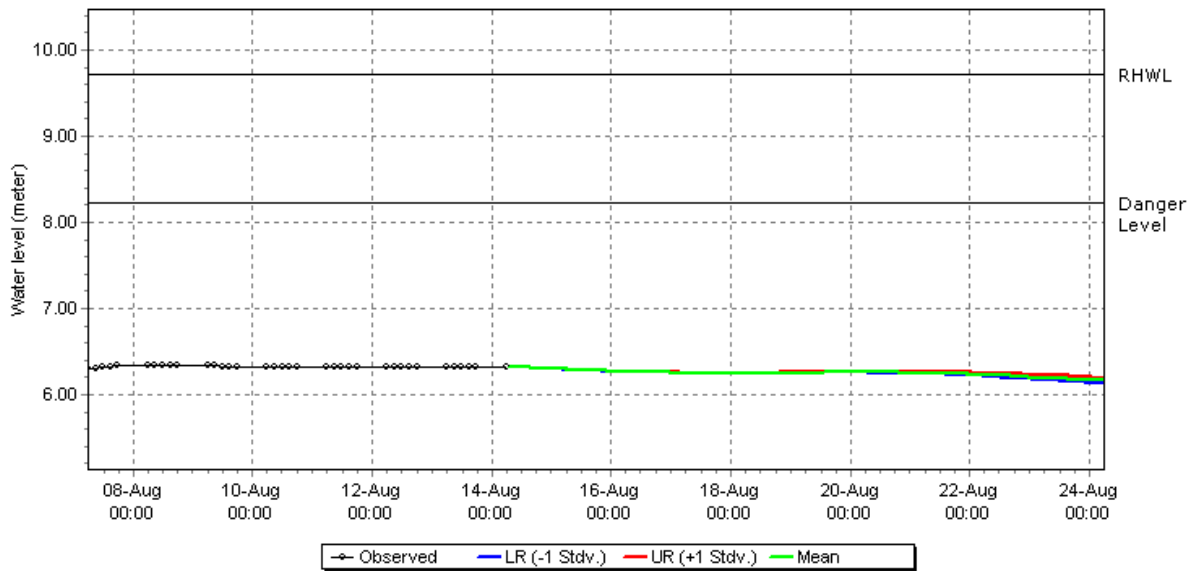
Gorai River at Gorai Rly Bridge (Year 2018)



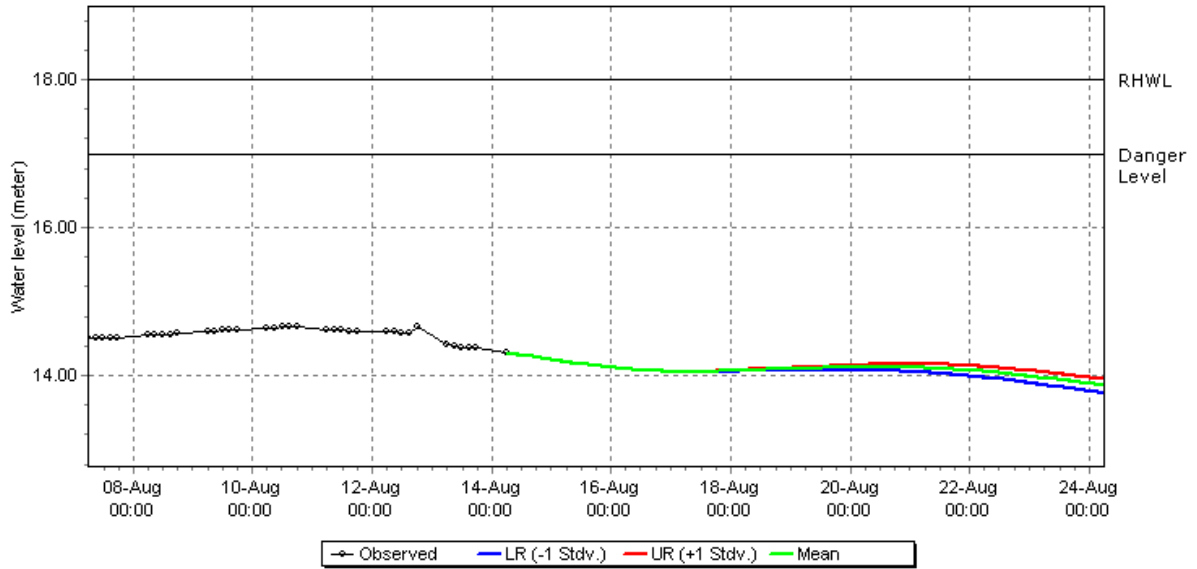
Padma River at Hardinge-Bridge (Year 2018)



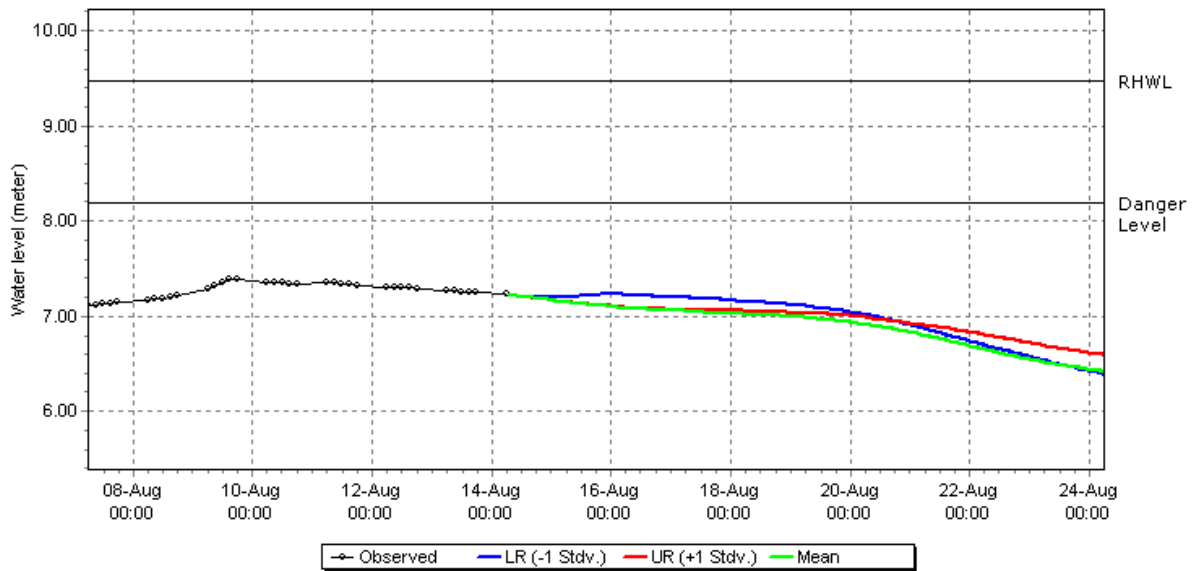
Dhaleswari River at Jagir (Year 2018)



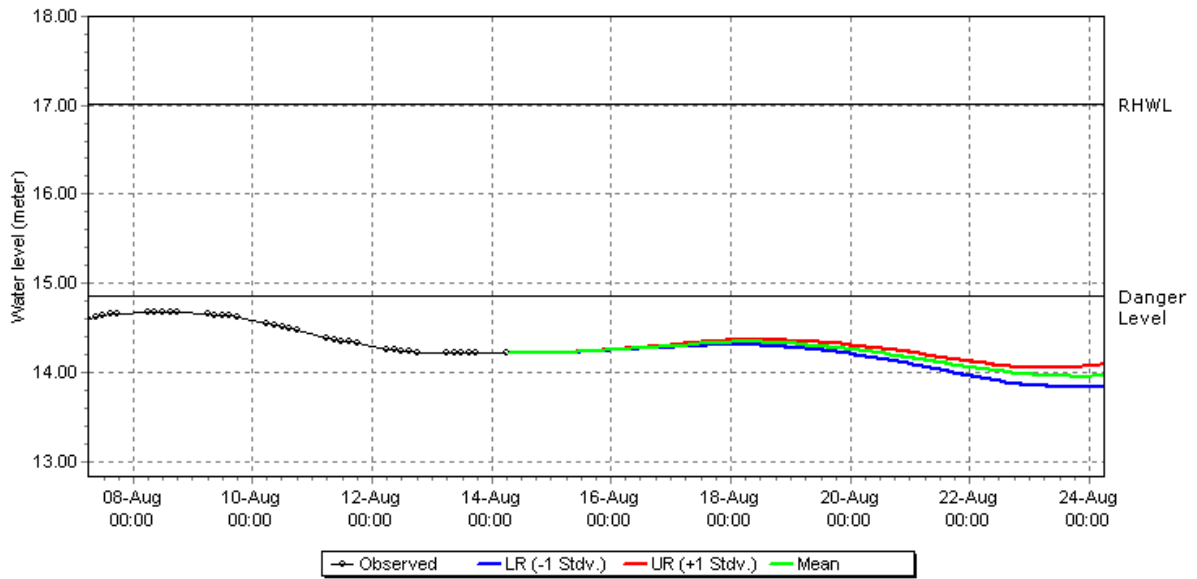
Old Brahmaputra River at Jamalpur (Year 2018)



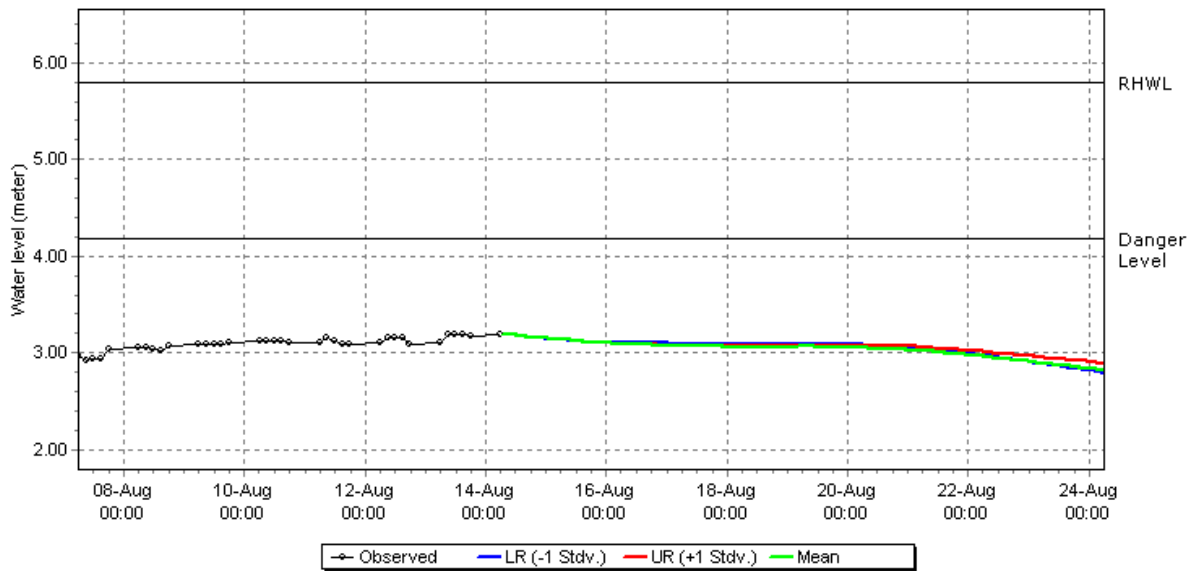
Gorai River at Kamarkhali (Year 2018)



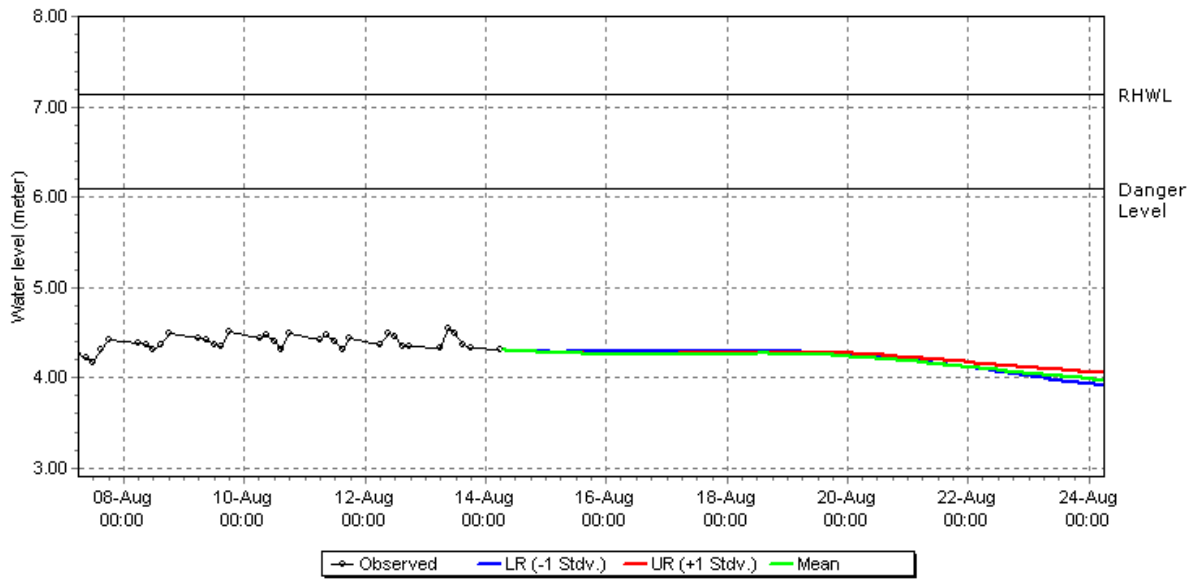
Jamuna River at Kazipur (Year 2018)



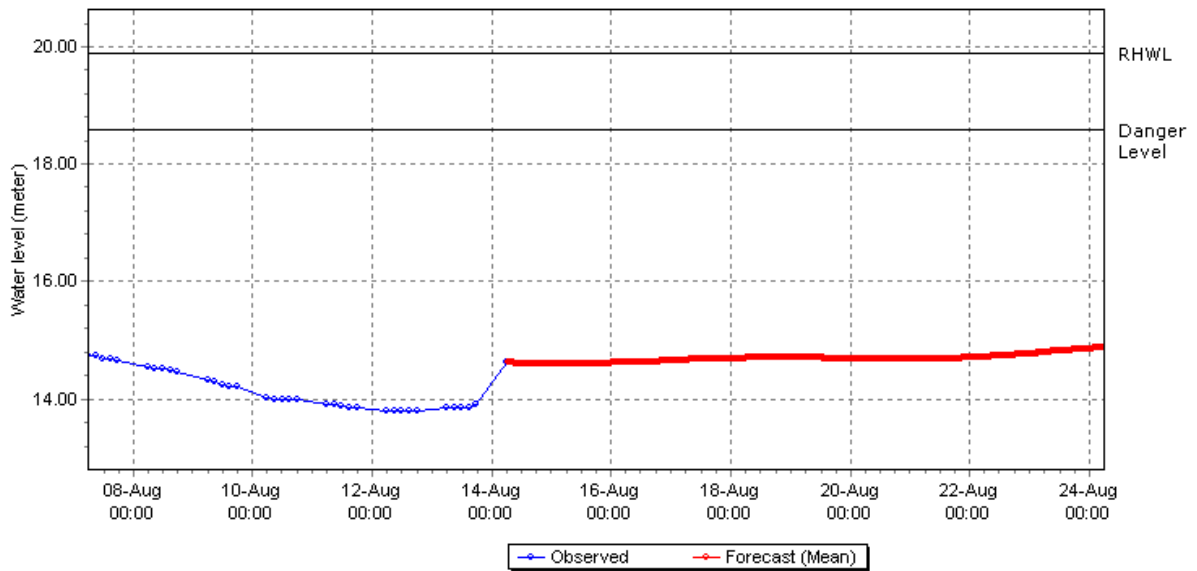
Arialkhan River at Madaripur (Year 2018)



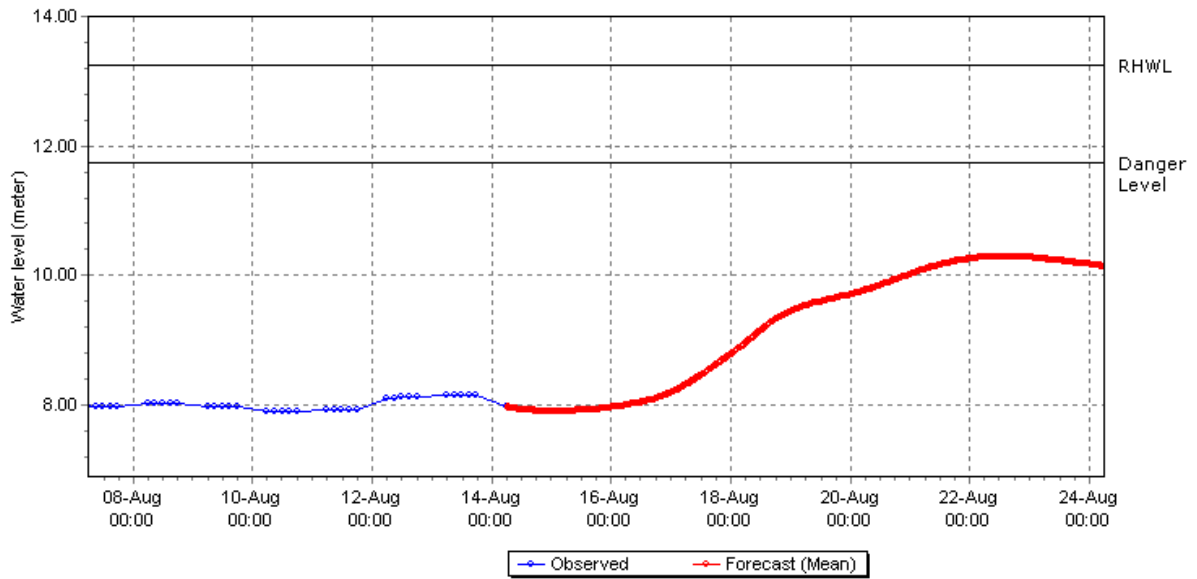
**Padma River at Mawa (Year 2018)**



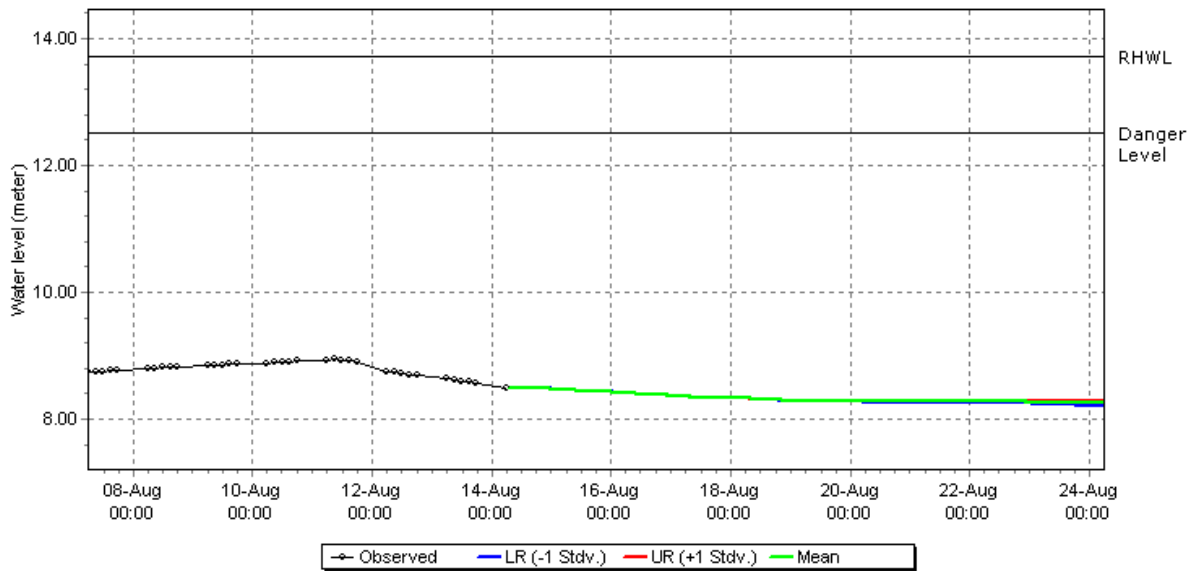
**Atrai River at Mohadevpur (Year 2018)**



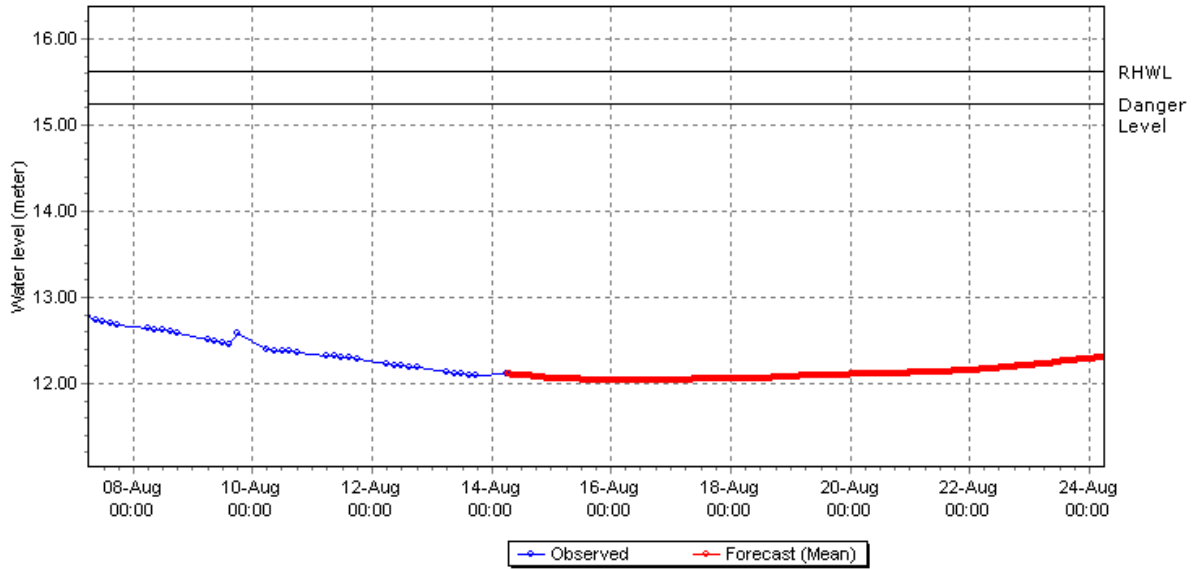
**Manu River at Moulvi Bazar (Year 2018)**



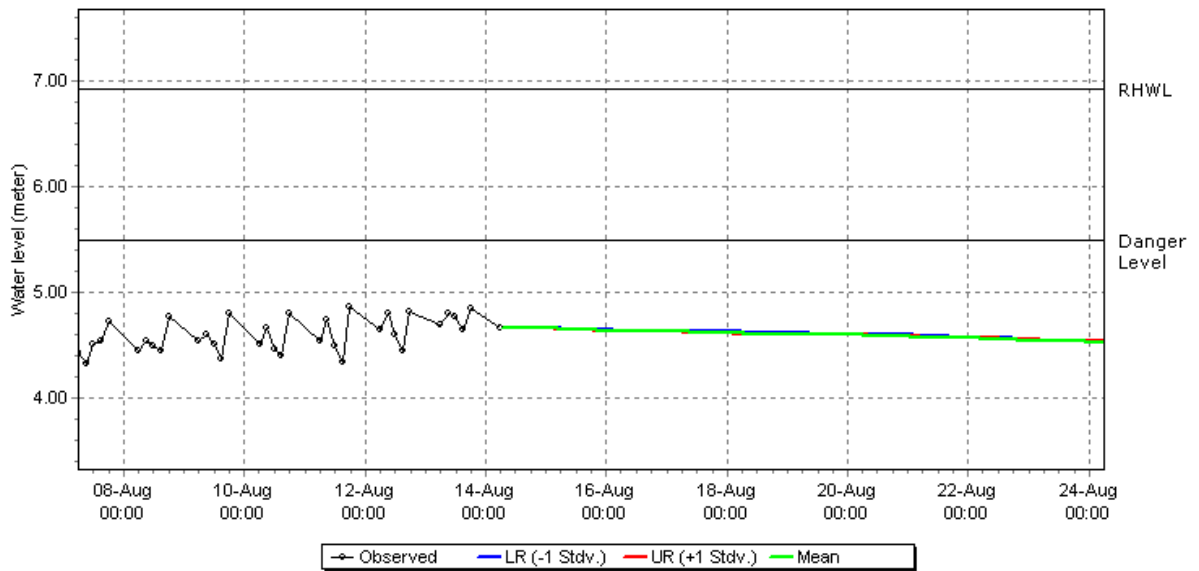
**Old Brahmaputra River at Mymensingh (Year 2018)**



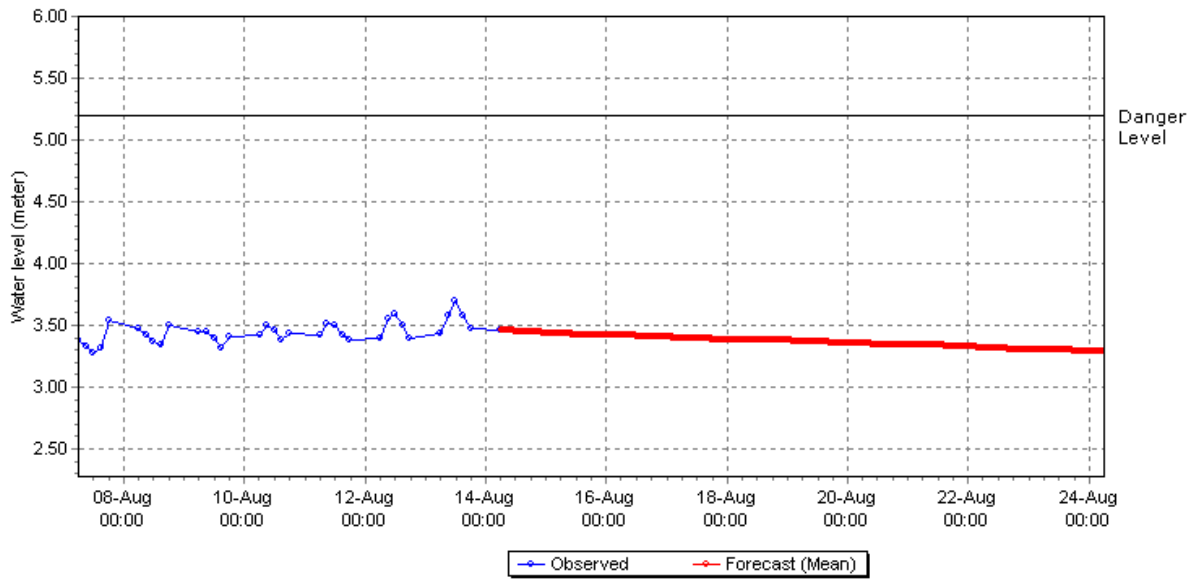
Little Jamuna River at Naogaon (Year 2018)



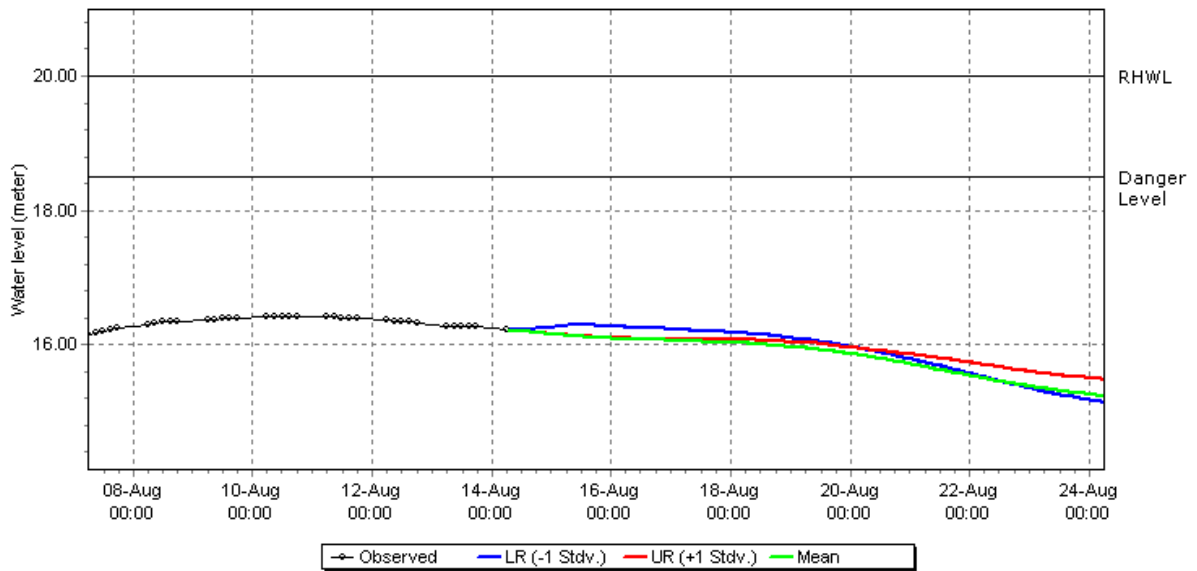
Lakhya River at Narayanganj (Year 2018)



**Arialkhan-NC River at Narsingdi (Year 2018)**

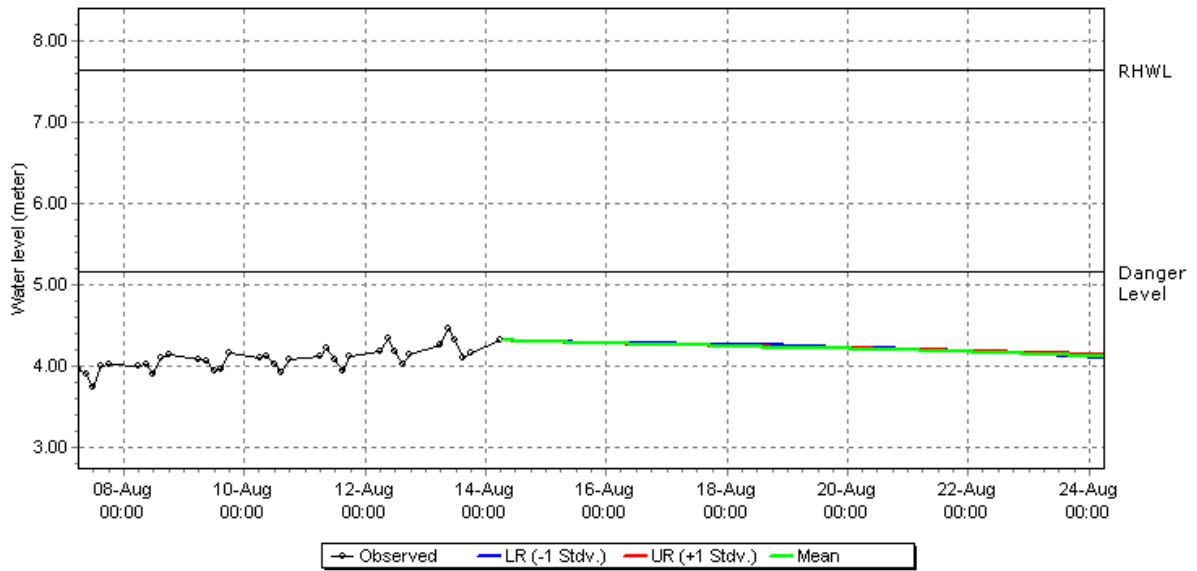


**Padma River at Rajshahi (Year 2018)**

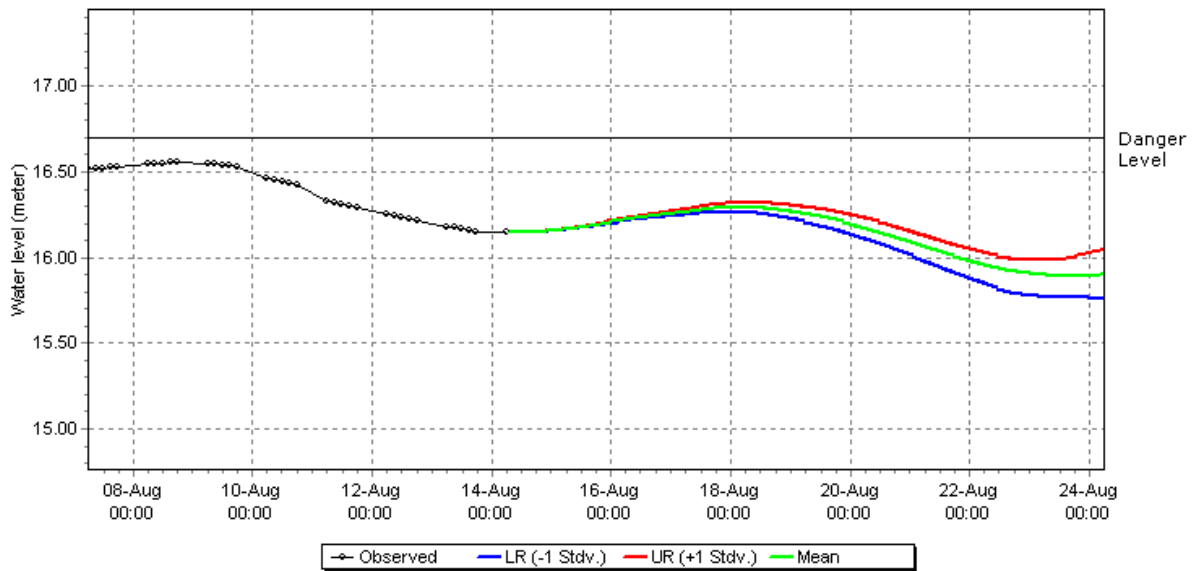




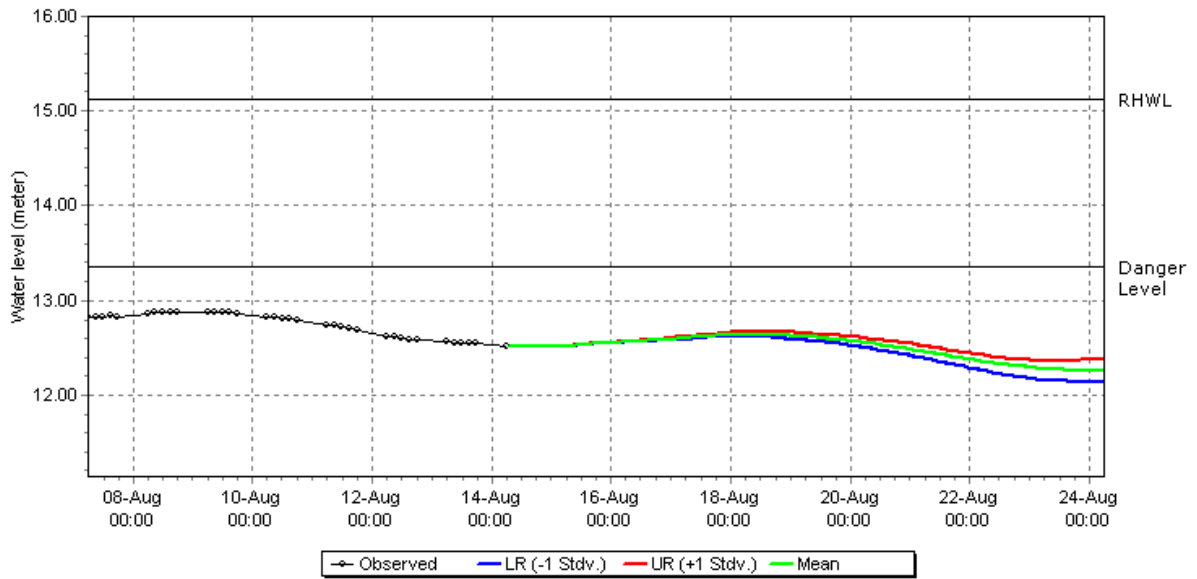
Dhaleswari River at Rekabi-Bazar (Year 2018)



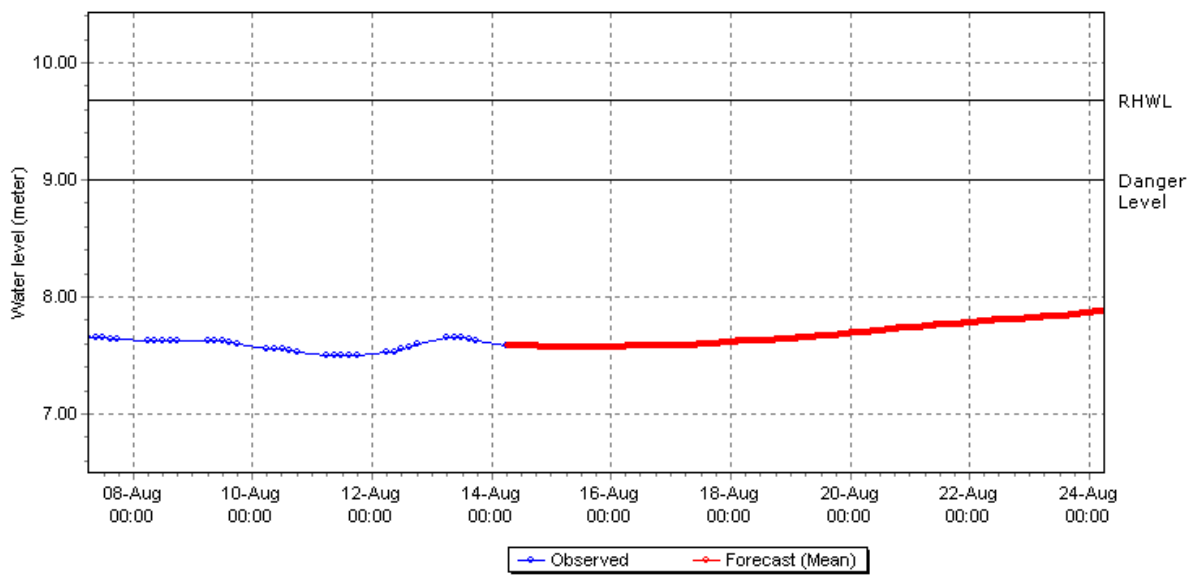
Jamuna River at Sariakandi (Year 2018)



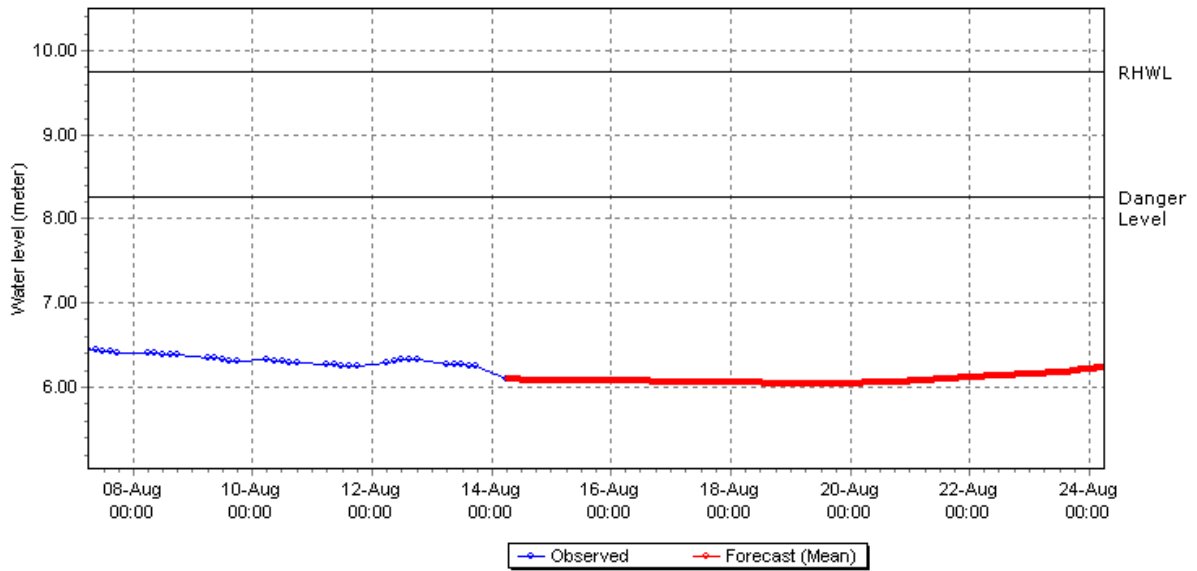
Jamuna River at Serajganj (Year 2018)



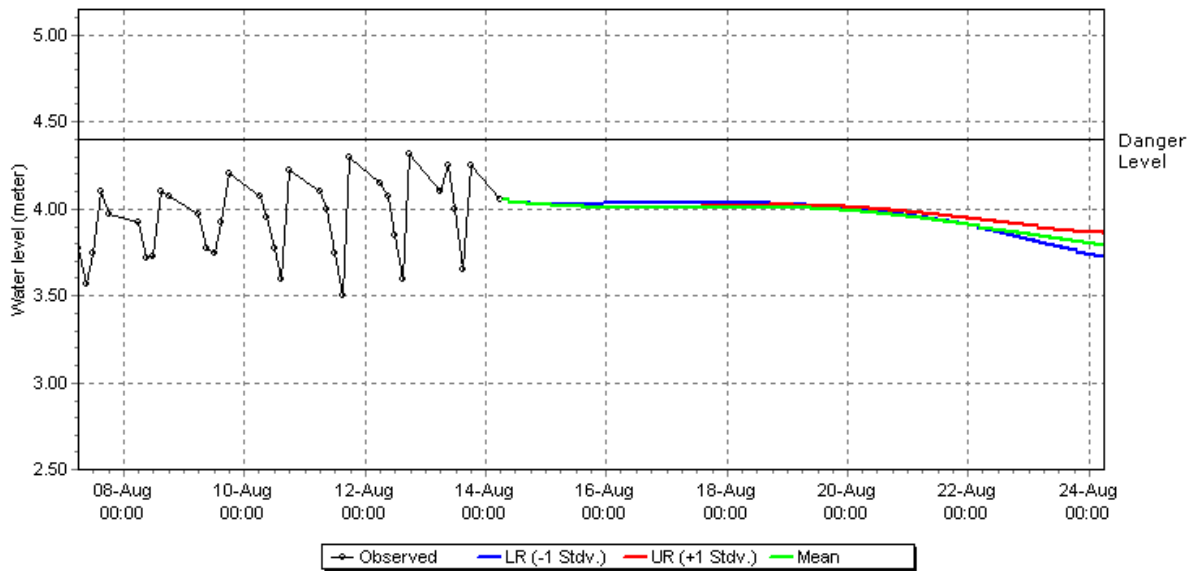
Kushiyara River at Sherpur (Year 2018)



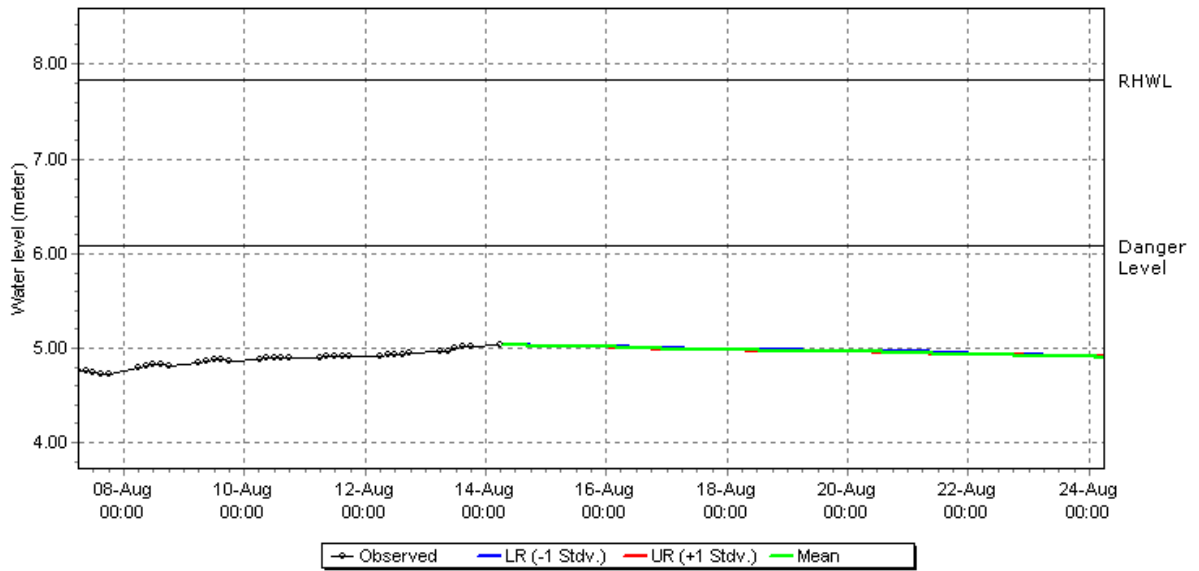
Surma River at Sunamganj (Year 2018)



Padma River at Sureshwar (Year 2018)



### Tongi Khal at Tongi (Year 2018)



## **Elaboration**

The above forecast is carried out using the ECMWF 0.5X0.5 deg. ensemble precipitation forecasts (51 set of ensembles) across Brahmaputra and Ganges basin and generating 15 days flow forecast for Brahmaputra River (at Bahadurabad point) and on Ganges River (at Hardinge Bridge point).

Upper Range and Lower Range corresponds respectively to the +1 and -1 standard deviation.

Mean indicate the water level forecast generated from the median discharge used in the boundary.

The flood-forecasting model of FFWC, Bangladesh Water Development Board (BWDB) is acting as a background model for Long Range FFS Model and necessary customization has been brought out in FFWC model for this 10-day flood forecasting activities.

## **Disclaimer:**

The flow forecasting system for this model (Hydrological) has been redesigned. Though the model has been calibrated, validated and evaluated, it is still under development. So, the product should be used with extreme care.

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For any questions or query regarding the model feel free to contact:

Raihanul Haque Khan ([raihanul@rimes.int](mailto:raihanul@rimes.int))

Nazmul Ahasan ([nazmul@rimes.int](mailto:nazmul@rimes.int))