

- Region: Hirakud | Training Data: 100%
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Region: Hirakud | Training Data: 100%
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Region: Hirakud | Training Data: 80%
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Region: Hirakud | Training Data: 80%
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Region: Hirakud | Training Data: 50%
 - Region: Hirakud | Training Data: 20%
 - Model Performance Metrics

Region: Hirakud | Training Data: 100%

Test RMSE (Adjusted vs Raw): 1359.8260

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Region: Hirakud | Training Data: 100%

Test RMSE (Adjusted vs Raw): 1359.8260

Model Performance Metrics:

Step	NSE	RSR	PBIAS (%)	EVOL (%)	PE (%)	TPE (steps)	KGE
0	0.9908	0.0960	-1.1100	-1.1100	7.2413	0.0000	0.9526
1	0.9835	0.1286	-1.1163	-1.1163	8.8358	0.0000	0.9411
2	0.9683	0.1782	-1.0006	-1.0006	10.4190	0.0000	0.9243
3	0.9416	0.2417	-2.2860	-2.2860	13.6475	0.0000	0.8890
4	0.9141	0.2932	-3.6289	-3.6289	15.8778	0.0000	0.8511
5	0.8638	0.3691	-3.7269	-3.7269	21.0976	0.0000	0.7997
6	0.8187	0.4258	-5.5222	-5.5222	25.8916	0.0000	0.7451

Step	NSE	RSR	PBIAS (%)	EVOL (%)	PE (%)	TPE (steps)	KGE
7	0.7728	0.4767	-6.2747	-6.2747	30.1743	0.0000	0.7011
8	0.7186	0.5305	-7.0970	-7.0970	33.6926	0.0000	0.6586
9	0.6750	0.5701	-8.0854	-8.0854	37.1342	0.0000	0.6210

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Region: Hirakud | Training Data: 80%

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Step	NSE	RSR	PBIAS (%)	EVOL (%)	PE (%)	TPE (steps)	KGE
1	0.9869	0.1145	-0.3847	-0.3847	8.8242	0.0000	0.9398
2	0.9772	0.1511	-0.1992	-0.1992	10.3168	0.0000	0.9293
3	0.9608	0.1979	-1.6151	-1.6151	11.4160	0.0000	0.9071
4	0.9307	0.2633	-4.1172	-4.1172	14.5491	0.0000	0.8666
5	0.8903	0.3312	-7.0829	-7.0829	18.4301	0.0000	0.8131
6	0.8349	0.4063	-7.6383	-7.6383	23.7056	0.0000	0.7628
7	0.7846	0.4641	-11.6635	-11.6635	27.8692	0.0000	0.6972
8	0.7287	0.5209	-13.0253	-13.0253	31.6720	0.0000	0.6511
9	0.6747	0.5703	-13.0164	-13.0164	34.8598	0.0000	0.6120
10	0.6283	0.6097	-14.3567	-14.3567	38.1693	0.0000	0.5768

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Region: Hirakud | Training Data: 50%

Test RMSE (Adjusted vs Raw): 1614.2357

Model Performance Metrics:

Step	NSE	RSR	PBIAS (%)	EVOL (%)	PE (%)	TPE (steps)	KGE
1	0.9790	0.1449	-3.4417	-3.4417	11.2411	0.0000	0.9092
2	0.9598	0.2005	-4.4660	-4.4660	14.7853	0.0000	0.8754
3	0.9365	0.2520	-4.0409	-4.0409	17.6544	0.0000	0.8447
4	0.8943	0.3252	-5.7088	-5.7088	21.8398	0.0000	0.7874
5	0.8542	0.3818	-7.1864	-7.1864	24.5627	0.0000	0.7383
6	0.8012	0.4459	-7.3932	-7.3932	29.3952	0.0000	0.6884
7	0.7443	0.5056	-10.1800	-10.1800	32.6381	0.0000	0.6307
8	0.6888	0.5578	-11.3463	-11.3463	35.7558	0.0000	0.5896
9	0.6389	0.6009	-11.1661	-11.1661	38.7300	0.0000	0.5544
10	0.5969	0.6349	-11.0777	-11.0777	41.3557	0.0000	0.5259

Region: Hirakud | Training Data: 20%

Test RMSE (Adjusted vs Raw): 2058.7428

Model Performance Metrics

Step	NSE	RSR	PBIAS (%)	EVOL (%)	PE (%)	TPE (steps)	KGE
1	0.9164	0.2891	-5.9670	-5.9670	22.0558	0.0000	0.7748

Step	NSE	RSR	PBIAS (%)	EVOL (%)	PE (%)	TPE (steps)	KGE
2	0.8785	0.3485	-9.0961	-9.0961	24.8915	0.0000	0.7234
3	0.8468	0.3914	-9.0881	-9.0881	26.5253	0.0000	0.6949
4	0.7661	0.4836	-11.1100	-11.1100	32.0929	0.0000	0.6199
5	0.7194	0.5297	-12.8003	-12.8003	34.3660	0.0000	0.5862
6	0.6788	0.5667	-13.5062	-13.5062	36.9782	0.0000	0.5619
7	0.6027	0.6303	-15.9121	-15.9121	40.4106	0.0000	0.5057
8	0.5384	0.6794	-18.5533	-18.5533	43.3915	0.0000	0.4641
9	0.4983	0.7083	-18.4725	-18.4725	45.1869	0.0000	0.4460
10	0.4554	0.7379	-17.1907	-17.1907	47.3667	0.0000	0.4238