

RAINFALL at Patna, Country Filter's.

County of Ang.

Observer Messrs J. & H. V. Eaglesham, C.E.
W. P. & Co. C.E.

River Basin Doon - 5.

Rain Gauge, by _____

Diameter ...						11					
Height						1	0				
Altitude ...						743					
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...						4.90	4.90 6.00	3.00	2.68	3.72	
February ...						6.10	6.10 3.90	1.50	5.73	.44	
March						1.85	1.85 1.25	3.00	1.40	2.46	
April						3.40	3.40 3.90	1.90	.94	1.96	
May						1.15	1.15 3.90	3.30	2.32	.60	
June						1.10	1.10 2.20	3.60	1.78	6.95	
July						4.25	4.25 4.40	1.35	2.48	.85	
August						3.40	3.40 3.00	3.70	3.81	3.26	
September ..						2.20	2.20 2.05	4.30	6.60	5.92	
October ...						1.80	1.80 7.80	8.80	7.41	1.47	
November ..						1.70	1.70 5.50	8.42	5.80	4.37	
December...						5.20	5.20 7.60	4.40	4.95	7.80	
TOTALS ...						37.05	37.05 51.70	47.17	45.90	39.60	

1915 $1\frac{1}{2}$ m. NNE of Patna in Darazymple Parish.

1918 Louthouse at 18 ft 100 ft S.

Revised values for 1916 supplied by Geo. Edenburgh: 1907 figures are identical with those for Loch Fawlas. 11/12/33

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1915	55° 23' 11"	4° 29' 16"	Patna	1½ m	SSW	Patna	2 m	SSW

RAINFALL at Patna Horse FiltersCounty of AynObserver M. Gray Esq. C.E.River Basin Down - 5Howard Rain Gauge, by

Diameter ...	11											
Height	1.0											
Altitude ...	743											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	
January ...	6.23	10.53	4.92	5.61	5.01	4.80	5.64	5.31	8.99	1.80	6.17	
February ...	5.25	1.43	5.08	5.35	1.36	5.32	4.03	2.19	3.57	2.60	.80	
March	5.54	8.41	1.92	2.16	1.20	1.86	2.35	3.08	3.83	.70	2.11	
April	2.18	1.62	3.09	2.71	2.51	4.79	2.02	3.73	1.54	1.59	2.35	
May	5.66	3.14	4.22	3.31	4.59	5.87	3.67	2.79	2.07	3.16	1.33	
June	2.12	1.65	4.31	3.16	2.45	.46	1.64	3.82	4.86	2.61	2.42	
July	3.29	4.31	3.81	5.31	5.55	2.17	3.70	3.66	2.97	4.28	4.21	
August	5.06	7.18	3.81	7.70	4.44	3.06	3.15	5.14	3.64	6.42	7.76	
September...	3.22	2.85	2.92	6.86	6.81	3.16	3.38	7.31	3.39	1.55	4.18	
October.....	3.51	4.79	1.98	6.83	3.24	4.38	4.78	4.01	6.76	7.70	7.86	
November...	3.85	2.67	3.14	4.92	3.13	1.84	4.27	4.64	5.54	6.77	6.03	
December...	4.41	10.29	4.35	5.60	5.61	4.56	1.93	1.41	3.57	10.31	5.96	
TOTALS...	50.32	53.87	43.55	57.52	43.90	42.27	40.56	47.09	50.73	49.49	50.68	

1920. Toolhouse - 18 ft high 100 ft S.

1925 " " " 43 "

Position of Station on reduced Ordnance Survey } No. of Map

Map, 2 miles to 1 inch Series

Reference No.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	55° 23' 11"	4° 29' 14"	Patna	1 1/2 mi	S.S.W.	Patna	2 mi	S.S.W.

RAINFALL at Patna (Horse Fickers)County of Patna Observer W. Gray, C.E. Eng.River Basin S - Doon

Type of Gauge

Annual Average 44.1 in. based on 14 years obs. unweighted. Period of average 1881-1917 Ref 5

Diameter	11"											
Height	1' 0"											
Altitude	743'											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	5.21	6.34	4.00	5.08	2.14	3.05	6.35	5.75				
February	3.89	.04	3.24	.48	4.81	1.00	4.44	1.28				
March	1.03	2.57	2.85	2.52	1.96	1.68	.74	1.92				
April	1.32	3.18	2.03	2.54	3.01	.17	1.41	.30				
May	2.29	5.10	2.78	3.42	.81	1.89	1.25	1.14				
June	6.49	2.29	2.48	3.18	3.46	1.85	2.32	3.70				
July	4.28	4.32	3.57	1.94	1.35	5.80	4.56	4.29				
August	1.96	1.43	2.74	4.46	1.40	3.15	2.53	2.30				
September	1.22	5.57	1.02	5.10	4.72	3.83	2.02	3.63				
October	3.76	6.28	2.87	7.03	7.27	5.00	3.29	6.48				
November	7.61	3.71	2.10	.77	4.55	3.92	.12	5.87				
December	4.25	7.43	1.09	6.03	2.42	4.81	1.12	1.66	#			
TOTALS	43.31 D.	46.46 D.	30.77 D.	42.55 D.	38.10 D.	36.15 D.	30.45 D.	38.32 D.				

1931. Toolhouse 18' high 43'S.

1938 No low.

Observations ceased 1938

Position of Station on reduced Ordnance Survey Map, } No. of Map..... Reference No.....
1 mile to 1 inch Series

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1931.			Patna	1 1/2 m	S.S.W.	Patna	2 m.	S.S.W.

RAINFALL at PATNA (KERSE FILTERS) new g.

County of AYR Observer W. Gray Esq.

River Basin 5- Doon

Type of Gauge

Annual Average in. based on years obs. un-weighted. Period of average Ref

Diameter								5"			
Height								1'			
Altitude								741'			
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January									4.01	(2.00)	
February									5.03	1.85	
March									3.98	6.42	
April									2.60	1.89	
May									.78	1.82	
June									2.57	1.48	
July									4.58	5.57	
August									2.00	3.24	
September									3.03	7.70	
October									2.08	5.25	
November								7.58	9.98	5.68	
December								3.76	2.47	6.37	
TOTALS								imp	43.11	49.27	

1938. Boundary Wall 6ft - 100ft S. & 130ft W.

Gauge is 290ft in a north-easterly direction from old gauge.

Position of Station on reduced Ordnance Survey Map, 1 mile to 1 inch Series				No. of Map		Reference No.	
Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.
1938.			Patna	1/2 m	S.S.W.	Patna	2 m S.S.W.

Station No.

5259/1

RAINFALL at

Patna (Kerse Filters) new g. 41

County of

Ayr

Observer

W. Gray Esq.

River Basin

5-Doon

T. W. Jackson Esq.

Type of Gauge

Annual Average.....in. based on.....years obs. un-weighted. Period of average.....Ref.....

File No.

Diameter	5"				6.42	7.49					
Height	1' 0"					1					
Altitude	741'					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	0.91	5.62	5.79	5.97	4.47	6.17	4.34	8.06	7.08	4.28	
February	2.47	1.88	4.77	2.06	7.61	3.27	.25	3.36	5.44	4.33	
March	3.34	1.97	2.55	.66	2.96	2.91	2.57	4.50	2.92	3.30	
April	2.03	2.12	4.33	3.54	1.38	1.59	5.85	2.59	5.34	3.94	
May	3.95	2.53	3.55	3.37	4.06	0.91	4.31	1.41	1.95	1.78	
June	1.49	2.16	4.55	4.24	4.04	3.02	3.70	5.23	1.16	3.05	
July	5.59	4.09	2.45	2.32	3.61	4.56	4.03	4.31	2.43	5.01	
August	6.07	4.29	4.48	3.68	2.90	2.86	.35	5.75	4.60	5.52	
September	1.84	5.29	2.78	6.42	6.84	6.41	5.27	6.15	2.53	11.20	
October	4.72	7.06	8.72	4.85	4.57	.70	2.10	6.25	5.52	4.96	
November	3.84	1.38	3.33	7.02	.44	6.67	7.95	3.61	7.37	4.50	
December	2.87	7.03	2.84	6.80	3.76	4.62	3.70	6.03	9.60	1.96	
TOTALS	39.12	45.42	50.34	50.91	46.64	43.69	44.42	57.25	55.94	53.83	

1941 Boundary Wall. 6' high 100' S. 130' W.

Position of Station on reduced Ordnance Survey Map,
1 mile to 1 inch Series

No. of Map.....

Reference No.....

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1941			Patna	1 1/2 m.	SSW	Patna	2 m	SSW

BRITISH RAINFALL ORGANIZATION

Station No. 5259/1

RAINFALL at Patna (Kerwa Ghat)

51

County of Ayodhya

Observer J. W. Leake Esq.

River Basin S. D. Son

Water and Drainage

Type of Gauge M.O.

Cagmar

Annual Average in. based on years obs. un-weighted. Period of average Ref. 45.

" " 50.70 " " 19 within 1940-59. " " 1916-50

File No.

Diameter ...	5"				642	749					
Height ...	1'0"					1					
Altitude ...	741'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	4.49	5.86	3.50	5.16	3.63	3.55	5.33	4.54	1.58	4.39	
February ...	4.09	2.24	1.76	3.70	2.08	1.20	3.09	4.69	2.18	3.94	
March ...	4.03	1.89	0.80	3.24	1.24	2.45	4.44	1.04	2.66	1.92	
April ...	3.17	2.60	2.24	1.89	2.97	1.86	2.44	1.91	3.01	3.14	
May ...	2.50	1.89	2.33	2.86	3.76	2.42	2.35	3.29	1.46	1.59	
June ...	1.75	3.15	1.80	5.02	3.44	3.02	2.65	3.65	3.64	2.46	
July ...	4.01	4.07	5.84	6.06	1.89	6.06	5.97	5.48	6.57	3.73	
August ...	5.32	5.16	3.89	4.85	1.92	7.13	7.25	5.52	1.29	4.15	
September ...	3.79	3.88	7.06	7.66	6.36	4.34	3.99	4.76	2.15	3.31	
October ...	1.58	4.60	4.58	10.05	3.34	4.15	5.63	4.16	8.17	2.50	
November ...	7.98	3.04	7.81	7.80	3.03	2.31	2.52	2.13	5.15	7.70	
December ...	8.22	4.35	5.03	7.61	7.72	5.76	5.29	5.50	6.69	5.21	#
TOTALS ...	50.93	42.73	46.64	65.90	40.38	44.25	50.95	46.67	44.58	44.04	MP

1951 Boundary wall 6', 100' + 130' SSW respectively
 hrs Oct 1959 G. sound. Very open to N. A better site available in
 hollow 25' NW - Overlying recon.

1961 Terminated w.e.f. 31/12/60

1960 np check.

Position of Station on Ordnance One-Inch map: No. of Map..... National Grid Reference 24/425121

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951			Patna	1 1/2 mls SSW	Patna	2 mls SSW

Summary of Earlier Records from 10-year Sheets:

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	C 1915 ✓	✓	C 1938 ✓ NPS 47 1941-43 ✓	✓	✓
	✓ - 15, 16 + 19	✓	✓	✓	✓

Air Ministry, Meteorological Office

RAINFALL at Patna (Kerse Filters) (New Site) Station No. 5259/2
 County of Ayrshire Observer Water & Drainage Engineer
 River Basin S Doon
 Type of Gauge M.O.

Annual Average _____ in. based on _____ years obs. un-weighted. Period of average _____ Ref. _____

File No. _____

Diameter ...					642	750					5	
Height ...						1						
Altitude ...						51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...										4.73		
February ...										5.00		
March ...										2.02		
April ...										3.57		
May ...										1.72		
June ...										2.66		
July ...										4.05		
August ...										4.31		
September ...										3.54		
October ...										2.56		
November ...										8.35		
December ...										5.69		
TOTALS ...										48.20		
										0		

1960 Print

Position of Station on Ordnance One-Inch map: No. of Map _____ National Grid Reference (26)425131

Date	Lat. N.	Long.	Railway Station	Distance Direction from gauge	Parish Church	Distance Direction from gauge

Summary of Earlier Records from 10-year Sheets:

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
C 1960					