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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue DEPARTMENT

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Not to be folded or roughly handled

No. 5,290.

PROCEEDINGS OF THE BOARD OF REVENUE, dated 20th December 1877.

Read the following letter from W. R. ROBERTSON, Esq., M.R.A.C., Superintendent of the Government Farms, to H. E. STOKES, Esq., Secretary to the Board of Revenue, dated Sydapet, 8th December 1877, No. 1,038 :—

THE facts disclosed in the accompanying letter and statement are of great interest. I have long been aware that during the south-west rains there was frequently a considerable difference in a day's rain-fall as registered at Sydapet and at the Observatory; but I did not know that there were any important differences in the registrations at the two stations during the north-east rains. I may add that the Sydapet rain-fall is registered personally by Mr. Benson.

2. The distance between the two stations is, I think, not more than five miles. Though the annual fall has differed but little, there has been a considerable difference both in the daily and the weekly registrations.

ENCLOSURE No. 1.

From C. BENSON, Esq., M.R.A.C., Assistant Superintendent of the Sydapet Farm, to W. R. ROBERTSON, Esq., M.R.A.C., Superintendent of the Government Farms, dated 7th December 1877, No. 57-B.

I HAVE the honor to submit, herewith, a statement of the rain-fall registered here during the past three months of September, October, and November. It is remarkable that when compared with that registered at the Observatory as a total there is very little variance, but taken week by week the differences are often very great. It must be remembered in looking at the tables that I have always registered the rain-fall at 9 A.M., whilst at the Observatory it is recorded at midnight; this difference in the time of observation would cause, perhaps, differences in the daily totals, but not in the weekly ones.

2. During the whole of October and up to the 7th November the extremely local character of the rains is clearly shown, and at no time more so than in regard to the falls at the end of the former month, when, for instance, we in the four days, 28th, 29th, 30th and 31st, registered 8.18 inches compared with only 5.52 inches at the Observatory. The deceptive character of a season such as this does not need comment, for it must be self-evident that the records of a few gauges scattered over the country at great intervals cannot be taken as a guide to the general pluvial conditions of it. Happily, however, since 8th November we have had far more general rains, and although this has come exceedingly late in the season, and has thus kept all agricultural operations backward, if it be followed by late rains during this present month, the crops will not suffer much.

(True Copy.)

(Signed) W. R. ROBERTSON, M.R.A.C.,
Superintendent, Government Farms.

ENCLOSURE No. 2.

Table showing the Rain-fall registered at the Sydapet Experimental Farm compared with that at the Observatory.

Date.	Sydapet Farm, 1876.	Observatory, 1876.	Sydapet Farm, 1877.	Observatory, 1877.	Date.	Sydapet Farm, 1876.	Observatory, 1876.	Sydapet Farm, 1877.	Observatory, 1877.
1st September...	...	0.06	0.06	...	18th October...	...	0.02	...	0.01
2nd "	...	0.01	...	0.19	19th "	...	...	...	...
3rd "	...	0.16	...	...	20th "	...	...	0.15	...
4th "	0.57	0.91	...	...	21st "	...	...	...	...
5th "	1.24	0.24	1.60	1.03	22nd "	...	...	0.16	...
6th "	...	...	0.22	0.63	23rd "	...	...	...	0.94
7th "	...	...	1.76	0.13	24th "	...	...	...	0.02
8th "	...	...	0.09	...	25th "	...	...	0.16	0.63
9th "	...	...	0.25	0.13	26th "	...	...	0.05	0.02
10th "	...	...	...	...	27th "	0.30	0.36	0.16	...
11th "	0.01	...	...	0.35	28th "	0.15	...	0.35	0.47
12th "	...	...	...	...	29th "	...	...	1.01	3.52
13th "	...	...	...	...	30th "	...	...	6.47	1.46
14th "	...	...	...	...	31st "	...	...	0.35	0.07
15th "	...	...	...	...	1st November...	...	...	...	4.80
16th "	...	...	...	...	2nd "	...	...	0.63	0.25
17th "	...	...	...	...	3rd "	...	...	0.14	0.01
18th "	...	...	...	...	4th "	...	...	...	0.01
19th "	...	...	...	...	5th "	...	...	...	0.06
20th "	...	...	...	...	6th "	...	...	0.08	...
21st "	...	...	...	0.04	7th "	...	...	...	0.03
22nd "	...	...	...	...	8th "	...	...	1.20	0.55
23rd "	...	0.03	...	...	9th "	0.12	0.43	1.87	2.53
24th "	...	0.52	0.92	0.38	10th "	...	...	1.04	2.30
25th "	...	1.10	...	...	11th "	...	...	1.01	...
26th "	0.28	...	...	0.11	12th "	0.02	...	...	0.06
27th "	...	...	0.65	...	13th "	...	...	...	0.86
28th "	...	...	0.30	0.05	14th "	...	...	1.95	0.54
29th "	...	...	...	0.01	15th "	...	...	4.77	5.30
30th "	...	0.23	0.07	0.04	16th "	...	...	1.75	1.75
1st October...	1.34	...	...	...	17th "	...	...	0.90	1.64
2nd "	...	...	...	...	18th "	...	...	0.78	0.14
3rd "	...	...	...	...	19th "	...	...	0.35	...
4th "	...	...	0.15	...	20th "	...	...	...	...
5th "	...	...	...	0.87	21st "	...	...	...	...
6th "	...	...	0.66	...	22nd "	...	...	...	...
7th "	1.01	0.59	...	...	23rd "	...	...	...	...
8th "	...	...	...	...	24th "	...	...	...	...
9th "	...	...	...	...	25th "	...	...	...	...
10th "	...	...	...	...	26th "	...	...	...	...
11th "	...	0.04	...	0.32	27th "	...	...	...	...
12th "	...	0.01	...	...	28th "	...	...	0.03	...
13th "	...	...	...	...	29th "	...	...	...	...
14th "	...	...	0.20	...	30th "	0.85	1.27	...	...
15th "	...	...	...	0.01	...	0.70	0.20	...	0.12
16th "	...	...	...	...	Total ...	9.18	8.50	32.99	32.96
17th "	0.54	0.02	...	0.01					

(Signed) C. BENSON,
Assistant Superintendent.

ENCLOSURE No. 3.

Table showing the Rain-fall registered at the Sydapet Experimental Farm compared with that at the Observatory Weekly.

Number of Week.	Sydapet Farm, 1876.	Observatory, 1876.	Sydapet Farm, 1877.	Observatory, 1877.
First week, 7th September...	1.81	1.38	3.64	2.04
Second " 14th " ...	0.01	...	0.31	0.48
Third " 21st " ...	...	...	...	0.04
Fourth " 28th " ...	...	1.65	1.87	0.54
Fifth " 5th October ...	1.34	0.23	0.88	0.92
Sixth " 12th " ...	1.01	0.64	...	0.32
Seventh " 19th " ...	0.54	0.04	0.20	0.24
Eighth " 26th " ...	...	...	0.52	1.61
Ninth " 2nd November...	0.45	0.36	8.97	10.57
Tenth " 9th " ...	0.12	0.43	3.29	3.19
Eleventh " 16th " ...	2.07	2.30	11.22	11.11
Twelfth " 23rd " ...	...	...	2.03	1.78
Thirteenth " 30th " ...	1.55	1.47	0.03	0.12
Total ...	9.18	8.50	32.99	32.96

(Signed) C. BENSON,
Assistant Superintendent.

(True Copy.)

(Signed) W. R. ROBERTSON,
Superintendent, Government Farms.

SUBMITTED to Government.

2. It is interesting to note that although the daily and weekly falls of rain vary so much at the two stations the totals for the whole period approximate so nearly to each other.

(True Copies and Extract.)

To the Secretary to Government, Revenue Department.
Copy to the Superintendent, Government Farms.

Sub-Secretary.

Ed. E. C. Shunker.

1. To the S. D. O. Sec. Sec. 11/12/77

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**BOARD of EXCHANGES,
MADRAS.**

PROCEEDINGS, 20TH DEC. 1877, No. 5,290.

Encl.

Encl 10/12/77

Received

11/12/77

DECEMBER.

No. 5,290.

Rain-fall—registered at the Sydapet Experimental Farm during the past three months of September, October, and November as compared with that registered at the Observatory.—Submitting to Government letter from Superintendent of Government Farms regarding the —.

11/12/77.
Recorded