

Revenue *Depart*
Nº 3149.
Gort. of 1869, *Madras.*

PUBLIC WORKS.

SUPERINTENDING ENGINEERS.

Dated September, 15th

Recd. u 16th

G. O. 15th September 1869, No. 1062

SEPTEMBER.

Nos. 365-366

Irrigation and Rain-fall.—Proceed
of the Government of India for a
comparative statement submitted by
Government of the North-Western Pro-
vinces, showing the Irrigation and Rain-fall
in the several Canal Districts of those
provinces during the years 1867-68 and
1868-69; and requesting to be furnished
with similar statement, communicated to
the department and officers concerned with
instructions.

No 62. 18 Sept 1869
With Order

For 1062/74

3/5/31

*Proceedings of the Madras Government, Public Works Department,
15th September 1869.*

No. 365. Read the following Proceedings of the Government of India, Public Works Department, (Irrigation,) dated Simla, 13th August 1869, Nos. 261-65-I:—

Comparative Statement of the Irrigation and Rain-fall in the several Canal Districts of the North-Western Provinces during the years 1867-68 and 1868-69.

Read—

Letter No. 1,850, dated 21st July 1869, from the Assistant Secretary to the Government of the North-Western Provinces in the Public Works Department, Irrigation Branch, with enclosures.

OBSERVATIONS.—With this letter the Government of the North-Western Provinces forwards a comparative statement showing the irrigation and rain-fall in the several Canal Districts of those provinces during the years 1867-68 and 1868-69. The commendations of His Excellency the Governor-General in Council have already been conveyed to the officers of the Irrigation Department of the North-Western Provinces for their exertions during the past season. His Excellency in Council now records his satisfaction at the results exhibited in the statement under review, which appear to the Government of India to be alike creditable to the administration of the Honorable the Lieutenant-Governor and to the Chief Engineer and other officers of the Irrigation Department. Colonel Greathed in particular deserves much praise for the improvements which he has already introduced in the submission of these statistics of irrigation, and His Excellency in Council desires to express his cordial thanks for the excellent administration by which such important results have been obtained, and those results so speedily placed before the Government and the public.

2. In submitting these statistics, which present a highly interesting and useful epitome of the operations of the Irrigation Department during the past year, the Government of the North-Western Provinces has set an example to the Governments of other provinces; and the Governor-General in Council desires that a copy of the statement may be circulated with an intimation to this effect. The progress of irrigation in different parts of the country would, in the opinion of His Excellency in Council, be far better appreciated, and therefore be greatly aided, if reliable statements, similar to that now furnished for the canals in the North-Western Provinces, were drawn up and published, exhibiting, in a concise form, the results of works already in operation in all the provinces of India.

ORDER.—Ordered that a copy of this Resolution be forwarded to the Government of the North-Western Provinces, for information, with reference to its Assistant Secretary's letter quoted.

2. Ordered also that copies of the Resolution, and of the statement referred to, be forwarded to the Government of the Punjab, with a request that a similar statement may be submitted at once for the canals under that Government; and to the Governments of Madras, Bombay, and Bengal for information, with reference to Public Works Department Nos. 221-23-I., dated 24th July 1869.

3. And further that copies of the papers be printed in the Supplement to the *Gazette of India*, and forwarded to the Secretary of State for India.

(Signed) R. STRACHEY, Colonel, R.E.,

Offg. Secy. to the Govt. of India.

Public Works Department, Irrigation Operations of 1868-69.
Comparative Statement of Irrigation and Rain-fall for the years 1867-68 and 1868-69 in Canal Districts of the North-Western Provinces.

Proceedings of the Madras Government, Public Works Department 15th September 1869.																		
Zillahs.	Area in acres.	Cultivated area in acres.	AREAS IRRIGATED.										RAIN-FALL.				Remarks.	
			FUSLI KHURREEF, 1868-69.						FUSLI RUBBER, 1868-69.				WHOLE YEAR, 1868-69.					
			In comparison with 1867-68.		Total acres.	In comparison with 1867-68.		Total acres.	In comparison with 1867-68.		Total acres.	In comparison with 1867-68.		Percentage of increase or decrease in 1868-69.	1867-68.	1868-69.		Per-centage of de-crease in 1868-69.
			Increase.	Decrease.		Increase.	Decrease.		Increase.	Decrease.		Increase.	Decrease.					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17		
Saharanpore,	1,425,825	1,001,518	48,620	8,770	...	99,672	55,636	...	148,292	59,406	...	60	55.2	31.4	43.1	Comparison with irrigation of 1860-61, the most recent famine year. 1860-61. 1868-69. ... 730,331 1,423,702. Khurreef, } Acres, ... Rabee, }		
Moozuffernagur,	1,054,065	708,549	63,726	8,354	...	140,433	85,408	...	204,159	93,762	...	84	47.6	20.0	53.0			
Meerut,	1,511,661	1,083,106	106,904	48,237	...	201,257	108,501	...	308,161	156,738	...	103	38.9	23.8	38.8			
Boondashuhur,	1,221,373	823,004	45,538	23,440	...	110,037	67,671	...	155,620	91,111	...	142	37.4	17.0	54.5			
Aligarh,	1,190,118	932,610	46,351	12,892	...	82,574	27,670	...	128,925	40,562	...	45	35.9	22.5	37.3			
Muttia, } Doab,	...	...	8,773	4,247	...	14,539	2,046	...	23,311	6,293	...	35	31.4	17.7	43.6			
Agra,	...	...	812	63	...	1,029	...	798	1,841	...	735	28	37.4	19.2	48.6			
Etah,	898,838	585,330	12,985	9,829	...	22,768	6,969	...	35,753	16,798	...	84	49.8	16.4	67.0			
Myspoorie,	1,066,534	576,615	31,961	22,918	...	66,554	21,256	...	98,515	44,174	...	81	51.9	17.5	66.2			
Futtehgarh,	1,084,399	674,034	14,296	8,404	...	29,905	17,014	...	44,201	25,419	...	133	52.6	16.5	63.5			
Etawah,	1,044,123	572,221	33,083	25,185	...	55,108	16,251	...	88,101	41,436	...	87	57.7	20.4	61.6			
Cawnpore,	1,514,348	855,663	32,911	14,922	...	73,301	37,313	...	106,212	52,235	...	96	60.8	60.8	16.2			
Dehra Doon,	653,271	86,657	4,144	...	189	9,810	2,156	...	13,954	1,967	...	16	88.9	88.9	67.1			
Bijnour,	1,204,639	685,026	146	...	857	1,509	856	...	1,655	...	1	...	59.1	59.1	37.0			
Terai,	469,760	91,735	8,032	...	...	4,573	8,161	...	8,195	...	...	...	72.7	87.4	48.5			
Bareilly,	1,518,579	1,084,290	29,319	12,804	...	29,398	20,404	...	58,717	35,869	...	120	65.3	45.8	30.0			
Total,	15,857,548	9,754,478	483,235	194,565	1,046	9,42,467	472,302	793	1,425,702	605,759	736	...	...	...	...	...		

The area irrigated is 89 per cent. larger than that of the preceding year, 95.80 per cent. more than the extent of land irrigated in the last famine of 1860-61, and 45 per cent. greater than in 1866-67.
Return if estimated at Rupees 2.20 per acre irrigated will probably amount to Rupees 30,29,617.
Not increase. ... 605,023 acres.
(Signed) W. JEFFREYS, Captain, R.E.,
Assistant to Chief Engineer, Irrigation Works.

Proceedings of the Madras Government, Public Works Department,
15th September 1869.

No. 366. ORDER THEREON, 15th September 1869, No. 3,026.

IRRIGATION, No. 20.

COMMUNICATED to the Revenue Department, and to all Superintending Engineers.

2. The materials requisite for the preparation of the Annual Return of Irrigation, which the Government of India desire should be furnished, are in existence, and the Superintending Engineers should, in communication with the Collectors, prepare as complete a return for the past year* as may be found practicable, and arrange for the submission of a similar statement yearly, as soon as the Collectors can furnish the particulars of cultivation.

* 1868-69, Fusly 1278.

3. In the return for this Presidency first and second crop cultivation should be shown instead of khurreef and rubbee.

(True Extract.)

W. Jeffreys

Major, R.E.,

Acting Joint-Secretary to Government.

To Superintending Engineers.
To the Revenue Department. ✓

Forwarded to the
Board of Revenue
for communication to
the Collectors.

Exd. E. C. Shunker.

18 Sept/69