

Rev. 1869 Depart
No. 2954
Govt. of India

PUBLIC WORKS.

To
THE SUPERINTENDING ENGINEERS.

1st AND 2ND DIVISIONS.

&c. &c. &c.

Dated August, 31st.

Recd. 1st Sept.

G. O., 31st August 1869, No. 2,881.

AUGUST.

No. 622-623

With an order

Irrigation operations.—Passing orders
on the Proceedings of the Government of
India regarding the submission of Monthly
Statements of irrigation operations.

No. 23. 7 Sept. '69

No 23

Communicated to the

of the order that

necessary instructions

issued to the collectors

7 Sept 69

for the P.W. Dept. dated 13th Sept 69
No. 3910.

No 13 of P.W. Dept.

11

*Proceedings of the Madras Government, Public Works Department,
31st August 1869.*

No. 622. Read the following Endorsement of the Assistant Secretary to the Government of India, Nos. 221—23-I:—

Read the following letter from the Officiating Secretary to the Government of India, Public Works Department, (Irrigation,) to the Joint-Secretary to the Government of the North-Western Provinces in the Public Works Department, Irrigation Branch, dated Simla, 24th June 1869, No. 219-I.

With reference to the Monthly Statements of Irrigation operations submitted by the Government of the North-Western Provinces, I am directed to suggest that if it be possible to give approximate separate areas of chief *crops* cultivated, it would much add to the interest of the returns. If the rain-fall average for the month and year for a series of years, say the last ten years for instance, could be ascertained, and the actual fall for the month, at a central point in each Canal Division, and the quantities stated, it would also make the facts more complete.

(Signed) R. STRACHEY, Colonel, R.E.,
Offg.-Secy. to the Govt. of India.

No. 220-I.

Copy forwarded to the Government of the Punjab for information and guidance, with reference to Public Works Department letter, No. 164-I, dated 12th June 1869.

COPIES with a transcript of the Statements* submitted by the Government of the North-Western Provinces, forwarded to the Governments of Madras, Bombay, and Bengal, with intimation that the Government of India would be glad if similar returns could be prepared and submitted from those Presidencies.

(Signed) J. W. ALEXANDER, C.E., Asst. Secy.,
for Offg.-Secy. to the Govt. of India.

* See also pages 708, 939 and 1,041 of Supplement to the *Gazette of India*.

PUBLIC WORKS DEPARTMENT, NORTH-WESTERN PROVINCES.
Irrigation operations of Fusi Khurreef 1869-70 up to 30th April 1869.

Proceedings of the Madras Government, Public Works Department,
31st August 1869.

Canal Divisions.	WATER DISTRIBUTED DURING APRIL.				NAVIGATION RETURN, GANGES CANAL.		LAND IRRIGATED, (APPROXIMATE).		Remarks.
	Depth in canal at regulating gauge.		Gross consumption, cubic feet per second.		Principal items of traffic.		Zillah.	Acres.	
	Full supply.	Actual in April.	Estimated full supply.	Actual average throughout April.	Up.	Down.			
Ganges Canal.	Northern, ...	8.00	7.70	1,140	...	...	Saharunpore, ...	6,228	Futtehgurh Branch closed till 8th instant. † The Etawah and Cawnpore branches have alternate weeks of high and low water. The figures here given show the mean for the month. Eastern Jumna Canal closed till night of 23rd for annual repairs.
	Meerut, ...	6.80	6.03	409	...	...	Moozuffernuggur, ...	16,812	
	Futtehgurh, ...	6.50	5.15	311	...	...	Meerut, ...	37,071	
	Boolundshuhur, ...	5.75	5.00	370	...	...	Boolundshuhur, ...	19,876	
	Allygurb, ...	6.00	5.49	1,353	...	...	Allygurb, ...	22,016	
	Etawah, ...	14.80	12.50	678	...	...	Muttra, ...	2,693	
	Cawnpore, ...	16.00	13.53	616	...	...	Agra, ...	366	
	Eastern Jumna Canal, ...	5.16	0.86	202	...	...	Etah, ...	3,435	
	Doon Canal, ...	...	...	115	...	...	Mynpoorie, ...	2,122	
							Futtehgurb, ...	3,430	
						Etawah, ...	2,463		
						Cawnpore, ...	1,325		
						Dehra Dhoon, ...	3,150		
						Bijnour, ...	56		
						Terai, ...	573		
						Barcilly, ...	3,180		
						Humceerpore, ...	14		
						Total, ...	1,24,810		

(Signed) W. JEFFREYS, Captain, R.E.,
Asst. to Chief Engineer, Irrigation Works, N.-W.P.

ings of the Madras Government, Public Works Department,
31st August 1869.

Canal Divisions.	WATER DISTRIBUTED DURING MAY.				NAVIGATION RETURNS, GANGES CANAL.		LAND IRRIGATED, (APPROXIMATE).		Remarks.
	Depth in canal at regulating gauge.		Gross consumption, cubic feet per second.		Principal items of Traffic.		Zillah.	Acres.	
	Full supply.	Actual throughout May.	Estimated full supply.	Actual average throughout May.	Up.	Down.			
(Northern, Meerut, Futtelghurh, Boolundshuhur, Allyghurh, Etawah, Cawnpore, ...)	9.00 6.80 6.50 5.75 6.00 4.80 6.00	8.56 6.73 5.74 4.80 5.09 *2.40 *2.83		813 1,207 403 -267 1,172 614 537 5,210 1,269 ... 146	Grains. Mds. 119 Gram ... Oorud ... Urhar ... Jowar ... Rice ... Total ... Cotton ... Oilseeds 4,016 Metals ... 3,813 Building mate- rials Miscellaneous goods ...	Grains. Mds. 1,080 Wheat ... 150 Bajhur ... Total ... Cotton ... 7,518 Oilseeds ... 7,465 Salts ... 1,519 Metals ... Building materials ... Miscellaneous goods ...	Saharunpore, ... Moozuffernuggur, ... Meerut, ... Boolundshuhur, ... Allyghurh, ... Muthra, ... Agra, ... Etah, ... Mynpoorie, ... Futtelghurh, ... Etawah, ... Cawnpore, ... Dehra Doon, ... Bijnour, ... Terai, ... Bareilly, ...	10,923 26,328 45,096 29,811 27,296 3,710 624 4,752 9,122 6,170 9,775 18,216 4,400 154 1,469 7,299	The mean volume which passed the Roorkee gauge during the month was 5,210 cubic feet per second. The volumes passing out at the termini of the Canal were as follows :— Etawah Branch, 43 c. f. p. second. Cawnpore, 104 " " Total... 147 * The Cawnpore and Etawah Branches have alternate weeks of high and low supply. The figures here given show the mean of the month.
Total, ... 205,145									

(Signed) W. JEFFREYS, Captain, R.E.,
Asst. to Chief Engineer, Irrigation Works, N.-W.P.

*Proceedings of the Madras Government, Public Works Department,
31st August 1869.*

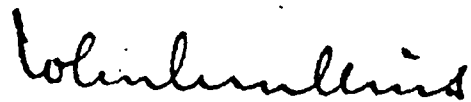
No. 623.

ORDER THEREON, 31st August 1869, No. 2,834.

IRRIGATION, No. 29.

THE Government observe that at present there are only three systems of Irrigation, viz., the Godavery, the Kistna, and the Pennair, where returns, of the nature of the tabulated statements transmitted by the Government of India, could be kept, and the Superintending Engineers of the 1st and 2nd Divisions will be requested therefore to make arrangements for preparing such returns monthly during the season of irrigation. The information regarding irrigated areas of land will have to be obtained under the orders of the Collectors, and it will probably be the most convenient arrangement, and prevent delay, if the several Tahsildars be instructed to transmit the statements of cultivation direct to the Range Officers concerned.

(True Extract.)



Major, R.E.,

Acting Joint-Secretary to Government.

To the Superintending Engineers, 1st and 2nd Divisions.
.. Revenue Department.

Exd. E. C. Shunker.