M.R.O. 1—10,006—28-2-50.

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public works. DEPARTMENT

G.O. No. 1360-61 (2) Press
~~B.P. No.~~ ~~Mis.~~
446 to 448

Dated 21-5-1874 ~~195~~.

Not to be folded or roughly handled

No. 416. Read the following letter from Colonel J. CROFTON, R.E., Deputy Secretary to the Government of India, Public Works Department, (Irrigation,) to Lieutenant-Colonel J. MULLINS, R.E., Joint Secretary to the Government of Madras, Public Works Department, (Irrigation Branch,) dated Fort William, 10th April 1874, No. 203-I.—

I AM instructed by His Excellency the Governor-General in Council to request that, with the permission of His Excellency the Governor in Council, the Government of India may be furnished in future with monthly statements of Irrigation operations in the Madras Presidency.

2. A specimen of the North-Western Provinces returns is herewith enclosed for information, but I am to say that it is left to the Government of Madras to adopt a modified form if desired, and that the classification of grains therein shown might with advantage be reduced to fewer heads.

3. I am to refer to this Office Resolution Nos. 557-8-I of the 5th September last, fixing the date on which the submission of these returns is desirable.

No. 3R. MONTHLY STATEMENT.

PUBLIC WORKS DEPARTMENT,

Irrigation Operations of Fusl Rubbee

Canal Divisions.	Water distributed during the month of Jan. 1874. Depth in Canal at Regulating Gauge. Full supply, feet.	Actual throughout, feet.	Gross Consumption, cubic feet per second. Estimated full discharge.	Actual average through-out.
Ganges Canal. Northern ...	10·00	8·64	740	685
Meerut ...	8·30	7·0	960	452
Anoopshuhur ...	6·80	5·30	700	413
Boolundshuhur..	7·35	6·9	972	817
Allygurh ...	5·50	5·32	994	432
Etawah ...	4·80	2·8	771	831
Cawnpore ...	6·20	4·48	958	619
Total, Ganges Canal...	...	...	6,104	4,249
Eastern Jumna Canal	5·20	3·13	1,250	781
Doon Canals ...	...	...	...	21
Bundelkhund Irrigation Works ...	...	...	...	...
Rohilkhund Canals ...	...	...	...	417
Grand Total...	...	...	...	5,468

ALLAHABAD,
The 27th February 1874.

NAVIGATION RETURN, GANGES

Principal Items

Nature of Traffic.	Up. Maunds.	Up. No.	Do Maunds.
Grains :— Wheat	1,050	...	52,780
Gram	...	...	4,767
Rice	83	...	74
Paddy or Dhán ...	...	...	125
Bajhur or mixed Grain ...	...	...	38,306
Oorud	...	...	2,801
Moong	...	...	337
Urhur	...	...	200
Mussee	...	...	63
Jowar	...	...	8,340
Bajra	...	...	192
Maize or Indian Corn ..	...	...	1,610
Total...	1,133	...	1,05,595
Cotton	...	...	15,642
Oil-seeds	21	...	443
Salts	451	...	661
Metals	2,488	...	2,311
Building Materials ...	11,300	...	1,55,020
Miscellaneous Goods ...	5,998	...	4,275
Firewood	6,990	...	45,777
Bamboos	...	...	...
Poles and unsquared timber.	...	551	...
Kurrees, squared timber ...	...	444	...
Logs	...	31	...
Miscellaneous	...	129	...
Live-stock	...	...	...
Grand Total...	28,384	1,155	3,28,774
Total during the corresponding month of last year 1873	8,867	19	1,69,636
Increase	24,517	1,136	1,59,138
Decrease	...	...	...

NORTH-WESTERN PROVINCES.

1873-74 *up to 31st January* 1874.

Canal. of Traffic. wn. Total Up & Down. No.	Maunds.	No.	Land irrigated (approximate.) Zillah.	Acres.	Rain-fall. Total from 1st November 1873 to 31st Jan. 1874.	Average of ten previous years for the same period.
...	53,830	...	Scharunpore ...	24,924	3·9	1·4
...	4,767	...	Moozuffernuggur ...	65,919	·3	1·1
...	157	...	Meerut	102,009	1·7	·8
...	123	...	Boolundshuhur ...	47,844	·4	·4
...	38,306	...	Allygurh ...	52,996	·2	·6
...	2,801	...	Muttra	13,314	...	·5
...	337	...	Agra	1,750	·1	·6
...	200	...	Etah	14,946	·1	·3
...	63	...	Mynpoory ...	42,877	·1	1·0
...	8,340	...	Futtehgurh ...	15,072	·2	·5
...	192	...	Etawah	58,309	...	·5
...	1,610	...	Cawnpore ...	66,556	...	·5
...	1,05,728	...	Dehra Doon ...	5,216	2·7	1·4
...	15,642	...	Bijnour	590	1·8	1·1
...	467	...	Terai	2,943	...	1·3
...	1,132	...	Bareilly	24,055	·7	1·0
...	4,799	...	Jhansie	No return ...		·6
...	1,66,350	...	Humeerpore ...	1,170	...	·5
...	10,273	...				
...	52,707	...				
99,061	...	99,061				
1,337	...	1,888				
110	...	554				
...	...	31				
206	...	335				
...	...	...				
1,00,714	3,57,158	1,01,869	Total...	540,490	...	...
89,356	1,63,503	89,375	Total last Rubbee up to 31st January 1873 ...	476,161	...	...
11,358	1,93,655	12,494	Increase ...	64,329	...	...
...	...	...				

Remarks.	Cub. Ft. per sec.
GANGES CANAL.—Mean volumes of water passing through Solanee aqueduct ...	4,983
Volumes discharged— Cub. Ft. per sec.	
Etawah Division Tail, 17	
Do. ,, Escapes, 95	
Cawnpore ,, Tail, 257	
Do. ,, Escapes, 365	
	734
Balance expended...	4,249

The demand for water varied in different divisions, and was not very great anywhere. In the Boolundshuhur Division the cultivators were holding off in expectation of rain, and it is reported that crops will suffer in consequence. On lands which were much flooded in September no irrigation has yet been required.

EASTERN JUMNA CANAL.—Demand has been general but irrigation is backward owing to the ground having retained moisture from the late September rains.

DOON CANALS.—No remarks.

ROHILKHUND CANALS.—No remarks.

TRAFFIC.—There is an increase of 66,000 maunds of grain over the quantity carried in January last year, and nearly 14,000 over that in last month. The demand for carriage of food grains is steady. The stock on canal banks in the Meerut Division awaiting carriage is about the same as last month.

(Signed) P. S. MARINDIN, Captain, R.E.,
Asst. Secy. to Govt., N.-W.P., Irrigation Branch.

Proceedings of the Madras Government, Public Works Department, 21st May 1874.

No. 447. ORDER THEREON, 21st May 1874, No. 1,360.

IRRIGATION, No. 40.

ORDERED that the following letter be sent:—

(Here enter No. 1,361, dated 21st May 1874.)

(True Extract.)

(Signed) J. MULLINS, Lieut.-Colonel, R.E.,
Joint Secretary to Government.

PUBLIC WORKS DEPARTMENT,
OOTACAMUND, 21*st May* 1874.

No. 448.

No. 1,361.

FROM

LIEUT.-COLONEL J. MULLINS, R.E.,
Joint Secretary to the Government of Madras,
Public Works Department,

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,
Public Works Department.

IRRIGATION, No. 41.

SIR,—In reply to the Deputy Secretary's letter No. 203-I of the 10th April 1874, I am directed to state that on the principal systems of Irrigation, which are it is supposed referred to in this communication, the Public Works Officers in charge of the canals have no revenue establishment, and no precise information as to the areas of land under irrigation from month to month, neither have the Revenue officers such information as that desired until the annual settlement accounts are made up. To furnish the return called for a special machinery would require to be organized, and, under these circumstances, I am to ask that the return in question may be dispensed with.

2. The canal officers do obtain information from the village officers regarding the area of irrigation for which water is required to enable them to regulate the water-supply approximately, but there is no system of record on which reliable monthly returns could be based.

I have the honour to be,
Sir,
Your most obedient servant,

Lieut.-Colonel, R.E.,
Joint Secretary to Government.

Exd. S. T. Austin.

Spare Copies

Pub: Works 1874 Dept:
Irrigation
No: 2272.

From

The Govt: of India

Dated 10th April 1874.
Received 16th April 1874.

No: 203 I.
Enclo: 1.

Requesting monthly returns of irrigation operations of the Madras Presidency and forwarding a specimen form of Statement.

G.O. No: 1360. 21-5-74.

No 446
Sent to Col Ady 16 April 74

1360.

P. W. D.

Proceedings of the Madras Government,

Under date the 187

Read the following:—

From

The Govt. of India - (H.E. Leg. 203 I of 10th April 1874.)

Ordered that the following letter be sent.

To The Secy: to the Govt. of India, P.W.D.

1861

Sir,

In reply to the Deputy Secretary's letter, Leg. 203 I of the 10th April 1874, I am directed to state that on the principal systems of irrigation, which are it is supposed referred to

to in this communication) the Public Works officers in charge of the Canals have no revenue establishment, and no precise information as to the areas of land under irrigation from month to month, neither have the Revenue officers such information as that desired until the annual settlement accounts are made up. To furnish the returns called for a special machinery would require to be organized, and under these circumstances I am to ask that

that the return in question may be dispensed with.

2- The Canal officers do obtain information from the village officers regarding the area of irrigation for which water is required to enable them to regulate the water supply approximately, but there is no system of record on which reliable monthly returns could be based.

My. 30/4/74

Cyn W

b.d. Copies despd. 1/6/74.

22721

Govt. of {1874} Madras.

PUBLIC WORKS.

To

Secy. to Govt. Public Works

Dated

Recd. Encl. 1

G. O., 21 May 1874. No. 1360 & 1361

Nos. 446 & 448.

Requesting for reasons stated that the submission of monthly ~~Returns~~ Returns of Irrign. operations in the Madras Presidency may be dispensed with.

Irrigation Returns.

The Government of India addressed on the subject of monthly Irrigation Returns in this Presidency.

that