M R O 1—77 0-7—8-6-37.

(1) Number of pages 16

(2) Date of repair 27 - 5 - 43

(3) Initials of the Reference

MADRAS RECORD OFFICE.

Government of Madras.

Public (Works) DEPARTMENT.

G.O. No. 285	Press Mis.
Dated 5 - 7 —	18 37

Not to be folded or roughly handled

No 54. Read the following Circular from the Government of India, Public Works Department, (Irrigation), to the Joint Secretary to the Government of Madras, Public Works Department, Irrigation Branch, dated Simla, 2nd November 1868, No. 93.—

I am directed to forward the accompanying six statistical tables compiled by Colonel R, Strachey, R. E, Inspector General of Irrigation Works, from materials supplied by the Local Officers of the Province, giving particulars of the area, cultivation, population, and produce of Sindh, and to request that, with the permission of the Right Honorable the Governor in Council, you will be so good as to cause to be prepared and submitted for the information of the Government of India, an Annual Statement showing like particulars of the Districts under the Madras Presidency, so far as it may be found practicable to do so.

(Signed) C. H. DICKENS, Colonel, R A,
Secy to the Govt of India

(Signed) J. H. ALEXANDER, C E,
Offg. Asstt. Secy., to the Govt. of India

Enclosure to Circular No 93 Public Works

TABLE I

Classification of Lands and Crops

Classification of lands.			Frontier of Upper Sindh	Shikarpoor	Hyderabad	Kurrachee	Total
A	Total area		Acres 1,297,920	Acres 4,898,674	Acres 5,747,184	Acres 8,735,885	Acres 20,679,663
A B	Barren		101,711	2,365,136	1,988,147	7,123,015	11,578,009
A C	Residue cultivable		1,196,209	2,533,538	3,759,037	1,612,870	9,101,654
C. D	Jagheer or not paying revenue		30,519	485,883	572,330	339,442	1,428,124
C. E	Cultivable not cultivated		944,804	1,011,615	1,395,684	885,759	4,237,862
C. F	Fallows of one year		117,511	371,658	1,314,337	93,150	1,896,656
C. G	Crop of one year	Rubbee	37,060	210,928	69,159	104,303	421,450
		Khurreef	66,325	452,504	407,527	190,216	1,117,562
		Total	103,375	664,432	476,686	294,519	1,539,012
II	Baranee or not irrigated	Rubbee	...	1,215	6,630	10,793	18,668
		Khurreef		9,745	10,753	33,457	53,955
		Total		10,990	17,383	44,250	72,623
G I	Canal irrigated by lift	Rubbee	..	22,769	8,188	7,526	38,483
		Khurreef	48,577	95,979	289,801	45,001	479,358
		Total	48,577	118,748	297,989	52,527	517,841
	Canal irrigated by flow	Rubbee	6,035	103,683	34,546	60,124	204,388
		Khurreef	15,984	322,363	102,813	91,683	532,843
		Total	22,019	426,046	137,359	151,807	737,231
	Total canal irrigated	Rubbee	6,035	126,452	42,734	67,650	242,871
		Khurreef	64,561	418,342	392,614	136,684	1,012,201
		Total	70,596	544,794	435,348	204,334	1,255,072
J	Irrigated from other sources	Rubbee	31,025	83,231	19,795	25,860	159,911
		Khurreef	1,751	25,417	4,160	20,075	51,406
		Total	32,779	108,648	23,955	45,935	2,11,317
I & J.	Total irrigated..	Rubbee	37,060	209,683	62,529	93,510	402,782
		Khurreef	66,315	443,759	396,774	156,759	1,063,607
		Total	103,375	653,442	459,303	250,269	1,466,389
Population	Town ..		20,000				
	Rural ...		60,672	74,143	33,961	100,000	228,104
	Total ...		80,672	4,59,476	588,737	240,000	1,348,885
				563,619	622,698	340,000	1,576,989

Proceedings of the Madras Government, Public Works Department, 6th January 1869.

Abstract of areas in acres

	Rubbee	Khurreef	Total
Baranee	Acres 18,668	Acres 53,955	Acres 72,623
Canal	242,871	1,012,201	1,255,072
Other irrigation	159,911	51,406	2,11,317
Total crop	421,450	1,117 562	1,539,012
Fallow			1,896,656
Total cultivated			3,435,668

TABLE II

Distribution of chief crops in acres

Crop		Frontier	Shikarpoor	Hyderabad	Kurrachee	Total
Khurreef ...	Rice	Acres 1,433	Acres 122,541	Acres 65,856	Acres 104,556	Acres 294,386
	Cotton	1,506	31,127	27,130	3,797	63,560
	Jowar and Bajree	56,970	287,673	275,181	70,150	689,974
	Til (oil-seed) ...	2,389	9,913	24,201	3,284	39,607
	Others .	3,367	6,662	8,718	2,510	21,257
	Total	65,665	457,916	400,906	184,297	1,108,784
Rubbee	Wheat and barley	22,984	116,200	29,035	46,412	214,721
	Pulse	716	19,188	2,657	5,580	28,141
	Oil seeds .	11,054	13,427	—	6,770	31,851
	Others	1,7 6	52,338	37,467	45,541	1,37,052
	Total	37,060	201,243	69,159	104,303	411,765
Two fusl crops	Sugar .	.	892	1,389	2,161	4,433
	Vegetables	639	2,274	1,295	2,473	6,681
	Fruits trees .	11	2,107	3,946	1,285	7,349
	Total ..	650	5,273	6,621	5,919	18,463
	Grand Total	103,375	664,432	476,686	294,519	1,539,012

TABLE III

Weight of produce in maunds of 82 pounds,

Nature of produce	Total		Frontier	Shikarpoor	Hyderabad	Kurrachee
	Area	Weight				
	Acres	Maunds				
Rice .	294,000	2,162,000	12,000	1,100,000	500,000	550,000
Cotton	64,000	111,000	2,000	50,000	51,000	8,000
Jowar and Bajra	690,000	6,045,000	1,025,000	2,456,060	1,004,000	560,000
Oil-seed	72,000	288 000	70,000	110,000	78,000	30,000
Wheat and barley .	220,000	1,760,000	273,000	913,000	270,000	304,000
Pulse .	28,000	168,000	22,000	120,000	10,000	16,000
Others .	172,000	1,239,000	42,000	300,000	400,000	497,000
Total...	1,540,000	11,773,000	1,446,000	5,049,000	3,313,000	1,965,000
Kurbee or Jowar straw	...	24,453,000	4,313,000	8,850,000	9,090,000	2,200,000

TABLE IV.

Distribution of produce in maunds of 82 pounds

Exports	Rice	Cotton	Oil-seeds	Jowar and Bajra Grain	Wheat and Barley	Pulse	Other crops	Total
Upper Sindh	2,000	1,000	30,000	313,000	110,000	11,000	17,000	484,000
Shikarpoor	600,000	14,000	50,000	1,170,000	353,000	60,000	150,000	2,397,000
Hyderabad	240,000	22 000	40,000	667,000	90,000	5,000	200,000	1,264,000
Kurrachee	300,000	4,000	15,000	260,000	100,000	8,000	250,000	937,000
Total	1,142,000	41,000	135,000	2,410,000	653,000	84,000	617,000	5,082,000

Kept for consumption	Rice	Cotton	Oil-seeds	Jowar and Bajra Grain	Wheat and Barley	Pulse	Other crops	Total
Upper Sindh	10,000	1,000	40,000	712,000	163,000	11,000	25,000	962,000
Shikarpoor	500,000	36,000	60,000	1,286,000	560,000	60,000	150 000	2,652,000
Hyderabad	260,000	29,000	38,000	1,337,000	180,000	5,000	200,000	2,049,000
Kurrachee	250,000	4,000	15,000	300,000	204,000	8,000	247,000	1,028,000
Total	1,020,000	70,000	153,000	3,635,000	1,107,000	84,000	622,000	6,691,000

TABLE V

Areas and population of Talooks on the projected line of Railway from Kotree to Mooltan

Talooks	Area		Population		
	Total	Crops	Town	Rural	
	Acres	Acres			
Hyderabad .	202,000	31,000	34,000	48,000	
Halla	390,000	36,000		49,000	
Shadadpoor	422,000	37,000	...	47,000	
Sukkurund	797,000	41,000		45,000	Length of 120 miles.
Mora ..	685,000	26,000	...	99,000	
Nowshera ..	341,000	66,000	...	59,000	
Kundiara ...	309,000	39,000		26,000	
Rooree	990,000	19,000	29,000	57,000	
Syudpoor	107,000	11,000	.	10,000	
Ghotkee ..	238,000	40,000	.	34,000	Length of 80 miles
Meerpoor ...	1,101,000	31,000	. ..	23,000	
Ooboara ...	288,000	23,000		21,000	
Total ..	5,860,000	400,000	63,000	518,000	
	9,100 sqr mile	44 acres per sqr mile	7 per sqr mile	57 per sqr mile	

TABLE VI.

Areas and population of Districts from Benares to Sharunpoor on the line of Railway,

Districts.	Total Area.	Cultivated area	Population Town	Population Rural
	Acres	Acres		
Benares	637,000	473,000	173,000	620,000
Mirzapoor	3,328,148	1,000,000	82,000	972,000
Allahabad	1,769,567	1,045,000	106,000	1,287,000
Futtehpoor	1,011,426	549,000	25,000	656,000
Jownpoor	1,514,000	856,000	135,000	1,054,000
Etah	899,000	585,000	60,000	554,000
Etawah	1,044,000	583,000	39,000	587,000
Mynpooree	1,067,000	577,000	42,000	658,000
Agra	1,199,000	868,000	143,000	886,000
Muttra	1,032,000	831,000	74 000	726,000
Allygurh ...	1,190,000	533,000	122,000	804,000
Boolundshuhur	1,221,000	823,000	111,000	689,000
Meerut	1,512,000	1,082,000	173,000	1,027,000
Mozuffernuggur	1,054,000	703,000	83,000	599,000
Saharunpoor	1,426,000	1,002,000	123,000	743,000
Total ...	19,903,000	11,910,000	1,491,000	11,862,000
	30,100 sqr. miles.	396 acres per square mile	48 per square mile	390 per square mile

No 55. ORDER THEREON, 6th January 1869, No. 28.

IRRIGATION, No. 4.

Communicated to the Chief Engineer for Irrigation, who will, in communication with the Board of Revenue, prepare and submit the Annual Statement required by the Government of India.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To the Chief Engineer for Irrigation.
,, Board of Revenue.
,, Revenue Department
,, Superintending Engineers.
To Captain Kennedy

Exd. G. A. Turton.

Govt. of {1869} Madras

PUBLIC WORKS.

To

THE CHIEF ENGINEER FOR IRRIGATIO

&c, &c,

Dated January, 6th

Read

G O, 6th January 1869, No 23

JANUARY.

Nos. 54-55

Statements—Circular from the Government of India calling for Statements showing particulars of the area, cultivation, population and produce of the Districts under the Madras Presidency, communicated to the Chief Engineer for Irrigation, with certain instructions.

Enclosure to Circular No. 93 Public Works.

TABLE I.

Classification of lands and crops.

Classification of lands			Frontier of Upper Sindh	Shikarpoor	Hyderabad	Kurrachee	Total
			Acres	Acres	Acres	Acres	Acres
A	Total area		1,297,920	4,898,674	5,747,184	8,735,885	20,679,663
A B	Barren		101,711	2,365,136	1,988,147	7,123,015	11,578,009
A C	Residue cultivable		1,196,209	2,533,538	3,759,037	1,612,870	9,101,654
C D	Jagheer or not paying revenue		30,519	485,833	572,330	339,442	1,428,124
C E	Cultivable not cultivated		944,804	1,011,615	1,395,684	885,759	4,237,862
C F	Fallows of one year		117,511	371,658	1,314,337	93,150	1,896,656
C G	Crop of one year	Rubbee	37,060	210,928	69,159	104,303	421,450
		Khurreef	66,315	453,504	407,527	190,216	1,117,562
		Total	103,375	664,432	476,686	294,519	1,539,012
H	Baranee or not irrigated	Rubbee		1,245	6,630	10,793	18,668
		Khurreef		9,745	10,753	33,457	53,955
		Total		10,990	17,383	44,250	72,623
G I	Canal irrigated by lift	Rubbee		22,769	8,188	7,526	38,483
		Khurreef	48,577	95,979	289,801	45,001	479,358
		Total	48,577	118,748	297,989	52,527	517,841
G I	Canal irrigated by flow	Rubbee	6,035	103,683	34,546	60,124	204,388
		Khurreef	15,984	322,363	102,813	91,683	532,843
		Total	22,019	426,046	137,359	151,807	737,231
G I	Total canal irrigated	Rubbee	6,035	126,452	42,734	67,650	242,871
		Khurreef	64,561	418,342	392,614	136,684	1,012,201
		Total	70,596	544 794	435,348	204,334	1,255,072
G J	Irrigated from other sources	Rubbee	31,025	83,231	19,795	25,860	159,911
		Khurreef	1,754	25,417	4,160	20,075	51,406
		Total	32,779	108,648	23,955	45,935	211,317
I & J	Total irrigated	Rubbee	37,060	209,683	62,529	93,510	402,782
		Khurreef	66,315	413,759	396,774	156,759	1,063,607
		Total	103,375	653,442	459,303	250,269	1,466,389
Population		Town	20,000	74,143	33,961	100,000	228,104
		Rural	60,672	459,476	588,737	240,000	1,348,883
		Total	80,672	533,619	622,698	340,000	1,576,989

Abstract of areas in acres

	Rubbee	Khurreef	Total
	Acres	Acres	Acres
Baranee	18,668	53,955	72,623
Canal	242,871	1,012,201	1,255,072
Other irrigation	159,911	51,406	211,317
Total crop	421,450	1,117,562	1,539 012
Fallow			1,896,656
Total cultivated			3,435,668

TABLE II.

Distribution of chief crops in acres

Crop.		Frontier.	Shikarpoor.	Hyderabad.	Kurrachee	Total.
		Acres	Acres.	Acres	Acres.	Acres.
Khurreef ..	Rice ...	1,433	122,541	65,856	104,556	294,386
	Cotton	1,506	31,127	27,130	3,797	63,560
	Jowar and Bajree.	56,970	287,673	275,181	70,150	689,974
	Til (oil-seed) ...	2,389	9,913	24,021	3,284	39,607
	Others .	3,367	6,662	8,718	2,510	21,257
	Total	65,665	457,916	400,906	184,297	1,108,784
Rubbee .	Wheat and barley.	22,984	116,290	29,035	46,412	214,721
	Pulse ..	716	19,188	2,657	5,580	28,141
	Oil-seeds ..	11,654	13,427	...	6,770	31,851
	Others . .	1,706	52,338	37,467	45,541	1,37,052
	Total ...	37,060	201,243	69,159	104,303	411,765
Two fusl crops ..	Sugar .		892	1,380	2,161	4,433
	Vegetables ...	639	2,274	1,295	2,473	6,681
	Fruits trees ...	11	2,107	3,946	1,285	7,349
	Total ...	650	5,273	6,621	5,919	18,463
	Grand Total ...	103,375	664,432	476,686	294,519	1,539,012

TABLE III

Weight of produce in maunds of 82 pounds

Nature of produce.	Total.		Frontier	Shikarpoor	Hyderabad	Kurrachee
	Area.	Weight.				
	Acres.	Maunds				
Rice ...	294,000	2,162,000	12,000	1,100,000	500,000	550,000
Cotton ..	64,000	111,000	2,000	50,000	51,000	8,000
Jowar and Bajra .	690,000	6,045,000	1,025,000	2,456,000	1,004,000	560,000
Oil-seed ..	72,000	288,000	70,000	110,000	78,000	30,000
Wheat and bailey	220,000	1,760,000	273,000	913,000	270,000	304,000
Pulse ...	28,000	168,000	22,000	120,000	10,000	16,000
Others ...	172,000	1,239,000	42,000	300,000	400,000	497,000
Total .	1,540,000	11,773,000	1,446,000	5,049,000	3,313,000	1,965,000
Kurbee or Jowar straw ..	...	24,153,000	4,313,000	8,850,000	9,090,000	2,200,000

TABLE IV.

Distribution of produce in maunds of 82 pounds.

Exports	Rice	Cotton	Oil-seeds	Jowar and Bajra grain	Wheat and Barley	Pulse	Other crops	Total.
Upper Sindh . .	2,000	1,000	30,000	313,000	110,000	11,000	17,000	484,000
Shikarpoor ...	600,000	14,000	50,000	1,170,000	353,000	60,000	150,000	2,397,000
Hyderabad ...	240,000	22,000	40,000	667,000	90,000	5,000	200,000	1,264,000
Kurrachee . .	300,000	4,000	15,000	260,000	100,000	8,000	250,000	937,000
Total ...	1,142,000	41,000	135,000	2,410,000	653,000	84,000	617,000	5,082,000

Kept for consumption	Rice.	Cotton.	Oil-seeds	Jowar and Bajra grain	Wheat and barley	Pulse	Other crops	Total.
Upper Sindh	10,000	1,000	40,000	712,000	163,000	11,000	25,000	962,000
Shikarpoor .	500,000	36,000	60,000	1,286,000	560,000	60,000	150,000	2,652,000
Hyderabad . .	260,000	29,000	38,000	1,337,000	180,000	5,000	200,000	2,049,000
Kurrachee . .	250,000	4,000	15,000	300,000	204,000	8,000	247,000	1,028,000
Total .	1,020,000	70,000	153,000	3,635,000	1,107,000	84,000	622,000	6,691,000

TABLE V.

Areas and population of Talooks on the projected line of Railway from Kotree to Moollan.

Talooks	Area.		Population		
	Total	Crops	Town	Rural.	
	Acres	Acres			
Hyderabad	202,000	31,000	34,000	48,000	Length of 120 miles
Halla	390,000	36,000	...	49,000	
Shadadpoor ..	422,000	37,000	.	47,000	
Sukkurund .	797,000	41,000	..	45,000	
Moia	685,000	26,000	.	99,000	
Nowshera	331,000	66,000	..	59,000	
Kundiara .	309,000	39,000		26,000	
Rooree .	990,000	19,000	29,000	57,000	Length of 80 miles.
Syudpoor ...	107,000	11,000	.	10,000	
Ghotkee	238,000	40,000	...	34,000	
Meerpoor .	1,101,000	31,000	...	23,000	
Ooboaia .	288,000	23,000	.	21,000	
Total .	5,860,000	400,000	63,000	518,000	
	9,100 sqr miles	44 acres per sqr mile	7 per sqr mile	57 per sqr mile	

TABLE VI.

Areas and population of Districts from Benares to Sharunpoor on the line of Railway

Districts	Total area	Cultivated area.	Population.	
			Town	Rural
	Acres	Acres		
Benares ...	637,000	473,000	173,000	620,000
Mirzapoor . .	3,328,148	1,000,000	82,000	972,000
Allahabad	1,769,567	1,045,000	106,000	1,287,000
Futtehpoor ..	1,011,426	549,000	25,000	656,000
Cawnpoor	1,514,000	856,000	135,000	1,054,000
Etah	899,000	585,000	60,000	554,000
Etawah	1,044,000	583,000	39,000	587,000
Mynpooree	1,067,000	577,000	42,000	658,000
Agra	1,199,000	868,000	143,000	886,000
Muttra .. .	1,032,000	831,000	74,000	726,000
Allyguih ...	1,190,000	933,000	122,000	804,000
Boolundshuhur . .	1,221,000	823,000	111,000	689,000
Meerut . .	1,512,000	1,082,000	173,000	1,027,000
Mozuffernuggur ..	1,054,000	703,000	83,000	599,000
Saharunpoor ...	1,426,000	1,002,000	123,000	743,000
Total	19,903,000	11,910,000	1,491,000	11,862,000
	30,100 square miles	396 acres per square mile	48 per square mile	390 per square mile.

CIRCULAR No. 93 PUBLIC WORKS.

GOVERNMENT OF INDIA

PUBLIC WORKS DEPARTMENT.

IRRIGATION

To The Secy to the Govt of Madras
W. D. Scott, Irrigation Branch.

SIMLA, NOVEMBER 2, 1868.

SIR,

I am directed to forward the accompanying six statistical tables compiled by Colonel R. Strachey, R. E., Inspector General of Irrigation Works, from materials supplied by the Local Officers of the Province, giving particulars of the area, cultivation, population, and produce of Sindh, and to request that, with the permission of the Right Hon'ble the Governor in Council, you will be so good as to cause to be prepared and submitted for the information of the Government of India, an Annual Statement showing like particulars of the Districts under the Madras Presidency so far as it may be found practicable to do so.

I have the honour to be,

SIR,

Your most obedient Servant,

(Signed) C. H DICKENS, *Colonel, R. A.,*
Secy. to the Govt. of India.

A. Alexander C E,
Offg. Asst Secy to the Govt of India.

Pub. Works Department
No 28
13

Proceedings of the Madras Government
Under date the 6th January 1869
Read the following

From the Secretary to the Govt of India, H.E. dated 2d November 1868 No 93

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT

IRRIGATION

To

CIRCULAR No. 93 PUBLIC WORKS.

Dated SIMLA, *November* 2, 1868

Received " 24 "

Enclosure 1.

Forwards six statistical tables compiled by the Inspector General of Irrigation Works, giving particulars of the area, cultivation, population, and produce of Sindh, and requests the submission of an Annual Statement showing like particulars of the Districts under the Madras Presidency

No 28 - 6th January 1869

Communicated to the Chief Engineer for Irrigation, who will, in communication with the Board of Revenue, prepare and submit the annual statement required by the Government of India -

To
The Chief Engr for Irrigation
Bd of Rev:
Rev: depts

Rec 4576

Govt. of {1868} Madras.

PUBLIC WORKS.

To The Chief Engineer for Irrigation

&c, &c, &c.

Dated

Read Jan. 1/

G O, 6th Jany 1869 No. 28.

Nos. 54-55

Statements Annexed from the Sub Collrs calling for Statements shewing particulars of the area, cultivation, population and produce of the Dts under the Madras Presidency - and by the Chief Engr for Irrigation works certain instructions -