Read the following papers:—

No. 55. From Lieutenant-Colonel F. T. HAIG, R.E., Officiating Joint Secretary to the Government of Bengal, in the Public Works Department, Irrigation Branch, (Irrigation,) to the Secretary to the Government of Madras, Revenue Department, dated Fort William, 21st March 1873, No. 443-I.

I AM directed to forward a statement received from the Inspector-General of Irrigation, and, with reference thereto, to inquire the weight of paddy in a Madras Measure.

2. I am further to say that His Honour the Lieutenant-Governor has lately read several of the Madras Settlement Reports with very great interest; and I am to request that this Government may be supplied with six copies of all settlement reports relating to the settlements of the Godavery, Kistna, Kurnool, Salem, Arcot, Trichinopoly, etc., districts.

ENCLOSURE No. 1.

STATEMENT showing the Produce per Acre of white Paddy in Madras Measures as adopted by the Revenue Settlement Department in the several Districts operated upon.

Description of Soils.	Class and Sort.		Godavery.				Kistna.					Kurnool.	South Arcot.	Trichinopoly.	Salem.
							Masulipatam Division.			Guntoor Division.					
			1st Class.	2nd Class.	3rd Class.	4th Class.	1st Class.	2nd Class.	3rd Class.	2nd Class.	3rd Class.				
		M.	M.	M.	M.	M.	M.	M.	M.	M.	M.	M.	M.	M.	M.
Alluvial	1	1	...	...	...	...	1,100	1,100	...	...	...	...	...	...	...
		2	...	...	...	...	800	800	...	...	...	...	...	...	...
		3	...	...	...	...	600	600	...	...	...	...	...	...	...
Permanently improved	2	1	1,200	1,067	933	800	1,100	1,100	1,000	1,200	1,100	1,200	1,080	1,080	1,080
		2	1,000	800	733	667	800	800	800	1,050	950	...	960	960	960
Regar Clay	3	1	1,067	933	867	733	800	640	800	1,050	950	1,000	840	840	720
		2	800	733	667	600	600	480	600	900	825	800	720	720	600
		3	600	533	467	433	480	360	480	800	725	600	432	432	288
		4	...	...	...	...	...	...	...	...	...	400	...	...	...
Regar Loamy	4	1	1,200	1,067	933	800	1,000	800	900	1,100	1,000	1,100	960	960	960
		2	1,000	867	7 3	667	800	600	700	900	825	900	840	840	840
		3	800	667	600	533	600	480	520	800	725	600	672	576	360
Regar Sandy	5	1	933	733	667	600	640	540	600	900	800	800	720	720	720
		2	733	600	533	467	480	400	480	800	725	600	672	600	600
		3	533	467	400	333	360	280	360	...	650	400	432	432	360
Red Clay	6	1	933	800	733	667	..	...	800	...	900	800	600	600	...
		2	733	600	533	467	..	...	600	...	800	600	480	480	...
		3	...	...	...	...	..	...	...	...	...	...	...	...	...
Red Loamy	7	1	1,067	867	800	733	...	...	700	...	800	600	720	720	840
		2	800	667	600	533	...	...	520	...	725	450	600	552	720
		3	667	467	400	367	...	...	...	...	...	...	360	312	360
Red gravelly	8	1	800	667	600	533	...	...	520	...	725	450	480	552	720
		2	667	533	467	433	...	...	480	...	650	300	432	432	480
		3	533	400	367	300	...	...	...	...	...	...	360	312	288
Arenaceous Loamy	12	1	...	800	667	...	640	540	600	...	...	...	...	...	...
		2	...	667	600	...	480	400	480	...	...	...	...	...	...
Do. Sandy	13	1	...	600	533	...	480	400	480	...	...	...	...	...	...
		2	...	533	467	...	360	280	360	...	...	...	...	...	...
Do. Sand	14	1	...	533	467	...	360	280	360	...	...	...	...	...	...
		2	...	467	400	...	240	200	240	...	...	...	...	...	...

MADRAS,
22nd *September* 1869.

(Signed) R. E. MASTER,
Director of Revenue Settlement.

Proceedings of the Madras Government, Revenue Department, 12th May 1873.

REFERRED to the Director of Revenue Settlement for his remarks.

27th March 1873. (Signed) W. HUDLESTON,
Chief Secretary.

No. 56. From G. BANBURY, Esq., Director of Revenue Settlement, to the Hon. W. HUDLESTON, Chief Secretary to Government, Fort St. George, dated Madras, 18th April 1873, No. 751-27.

I HAVE the honour to reply to your endorsement of the 27th ultimo upon letter from the Officiating Joint Secretary to the Government of Bengal in the Public Works Department, Irrigation Branch, dated 21st idem, No. 443. The average weight of paddy per Madras Measure of 100 cubic inches is, both for first sort and second sort, 2·16 lbs. I herewith forward six copies each of such of the Settlement Reports as are now available in my office. They are particularised in the accompanying list; and I request that the copies of the orders of Government which are therein mentioned as not being procurable in this office may be forwarded from the Government records direct.

2. As a memorandum of the weight of certain other grains and pulses may be wished for by the Bengal Government, I append particulars as below :—

Names as used in Madras.	Hindoostani.	Botanical.	Tolahs.	Pounds.
Rice	Dhán	Oryza sativa ... ... {1st Sort...	111·79	2·91
Gram	Kulthi	{2nd do.... Dolichos uniflorus...	112·53 116·58	2·92 3·
Cholum	Jowar	Sorgham vulgare...	107·36	2·77
Varagu	Kodru	Paspalum frumentaceum	98·07	2·53
Raggy...	Ragi	Eleusive Coracana	102·19	2·63
Wheat	Gihuri	Triticum Æstivum	99 44	2·56
Ulundu or Black Gram ...	Másh	Phaseolus Mungo...	115·53	2·98

3. The above are taken from the results of experiments lately made by Mr. Stokes, Acting Sub-Secretary to the Board of Revenue, and embodied in their Proceedings dated 15th January 1873, No. 51.

4. By the table contained in page 23 of Mr. Bayley's memorandum on Weights and Measures, it is shown that—

	lbs.	oz.	drs.
3 Tolahs = 1 Pollum =	0	1	3·748$\frac{1}{2}$
40 Pollums = 1 Viss =	3	1	5·942$\frac{1}{2}$

5. It thus appears that 1 lb. Avoirdupois is equal to 38·82 tolahs, and, according to this rate, the quantities given by Mr. Stokes in tolahs have been converted into lbs.

Proceedings of the Madras Government, Revenue Department,
12th May 1873.

ENCLOSURE No. 1.

List of Settlement Reports forwarded.

Six copies of the Settlement Report of the Central and Eastern Deltas and upland taluqs of the Godavery District, with Board's and Government Proceedings thereon.

Six copies of the Settlement Report of the Western Delta and upland taluqs of the Godavery District, with Board's and Government Proceedings thereon.

Six copies of the Settlement Report of the taluqs of Chellumbrum and Manargoody of the South Arcot District, with Board's and Government Proceedings thereon.

Six copies of the Settlement Report of the four taluqs, known as Kurnool proper, in the Kurnool District, with Board's and Government Proceedings thereon. But G. Os. dated 23rd August 1864, No. 1,533, and 21st April 1865, No. 831, not being available, may be supplied from the Government Office.

Six copies of the Settlement Report of the Guntoor portion of the Kistna District, with Board's and Government Proceedings thereon. But Board's Proceedings of 11th April 1870, No. 2,431, are not available from the Board's Office for three copies, and G. O. dated 10th January 1873, No. 32, are also not available for any copies, but may be supplied from the Government Office.

Six copies of the Settlement Report of the Principal Division of the Nellore District, with Board's and Government Proceedings thereon ; but G. O. dated 6th March 1873, No. 267, not being available, may be supplied from the Government Office.

Six copies of the Settlement Report of four taluqs of the Cuddapah District, but G. O. dated 5th February 1873, No. 145, not being available, they may be supplied from the Government Office.

List of Settlement Reports not available.

Trichinopoly District... } These are now being printed.
Salem District ... ... }

Kistna District ... ... } All copies have been distributed, excepting two for Office use.
Masulipatam Division. }

(Signed) G. BANBURY,
Director of Revenue Settlement.

No. 57. ORDER THEREON, 12th May 1873, No. 465.

Land Revenue.

RESOLVED that the foregoing letter, together with copy of the Board's Proceedings dated 15th January 1873, No. 51, be communicated to the Government of Bengal, with reference to the Joint Secretary's letter dated 21st March 1873, No. 443.

2. The sets of papers will be completed from the files in the Government Office as suggested by Mr. Banbury, and the papers regarding the settlements of Trichinopoly, Kistna, and Salem, will be forwarded when in print.

(True Extract.)

(Signed) R. A. DALYELL,
Acting Secretary to Government.

To the Director of Revenue Settlement.
,, the Board of Revenue.

Exd. F. R. Bantleman.

No. 443 I.

From LIEUT.-COL. F. T. HAIG, R. E.,

Offg. Joint Secy. to the Govt. of Bengal
in the P. W. Department,
Irrigation Branch,

To The Secretary to the Government of Madras
Revenue Department.

Dated Fort William, 21st March 1873.

IGATION.

Sir,

I am directed to forward a
Statement received from the Inspector
General of Irrigation and with reference
thereto to inquire the weight of Paddy
in a Madras measure.

2. I am further to say that
His Honor the Lieutenant Governor has
lately read several of the Madras
Settlement Reports with very great
interest and I am to request that this
Government may be supplied with
six Copies of all Settlement Reports
relating to the settlements of the Godavery
Kristna Kurnool Salem Arcot
Trichinopoly &c. &c. Districts.

I have the honor to be,

Sir,

Your most Obed.t & Servant

Lieut.t Col.l R.E

Offg. Joint Secy. to the Govt. of Bengal
in the P.W. Dep.t, Irrigation
Branch.

Revenue 873 Dept.
No 899.

From
the Govt. of Bengal
P.W. Dept.

Dated 21 March 1873
Rec.d 25
No 443.

Encl: 1.

S.O. No 405 - 12 May 73.

Forwards a statement
showing from the Supt. Gen.l of
Irrigation Mysore Province for
year ending on the 31st inst. of
the Madras Presidency, & enquiring
with respect thereto the wages
of Labour in a Madras mofussil
Province, the establishments with
descriptions of all plant, reports relating
to the settlement of the Godavery,
Kistna and Pennar Deltas.

Answered.

Approved & the Director of Rev. & Agt.
for his Remarks.

27 March 1873.

E. Bridges
Chief Secretary.

4. 55-57

Statement shewing the produce per acre of white paddy in Madras measures as adopted by the Revenue Settlement Department in the Districts operated upon

Description of soils	Class & Sort	Godavery 1st Class	Godavery 2nd Class	Godavery 3rd Class	Godavery 4th Class	Kistna Masulipatam Division 1st Class	Kistna Masulipatam Division 2nd Class	Kistna Masulipatam Division 3rd Class	Guntoor Division 1st Class	Guntoor Division 2nd Class	Bhimavaram	South Arcot	Trichinopoly	Salem
		m	m m		m	m	m m	m	m	m m	m	m	m	m
Alluvial	1 1	"	"	"	"	1100	1100	"	"	"	"	"	"	"
	1 2	"	"	"	"	800	800	"	"	"	"	"	"	"
	1 3	"	"	"	"	600	600	"	"	"	"	"	"	"
Permanently improved	2 1	1200	1067	933	800	1100	1100	1000	1100	1100	1200	1080	1080	1080
	2 2	1000	800	733	667	800	800	800	950	950	"	960	960	960
Regar clay	3 1	1067	933	867	733	800	640	800	1050	950	1000	840	840	720
	3 2	800	733	667	600	600	480	600	900	825	800	720	720	600
	3 3	600	533	467	433	480	360	480	800	725	600	432	432	288
	3 4	"	"	"	"	"	"	"	"	"	400	"	"	"
Regar loamy	4 1	1200	1067	933	800	1000	800	900	1100	1000	1100	960	960	960
	4 2	1000	867	733	667	800	600	700	900	825	900	840	840	840
	4 3	800	667	600	533	600	480	520	800	725	600	672	876	360
Regar Sandy	5 1	933	733	667	600	640	540	600	900	800	800	720	720	720
	5 2	733	600	533	467	480	400	480	800	725	600	672	600	600
	5 3	533	467	400	333	360	280	360	"	650	400	432	432	360
Red clay	6 1	933	800	733	667	"	"	800	"	900	800	600	600	"
	6 2	733	600	533	467	"	"	600	"	800	600	480	480	"
	6 3	"	"	"	"	"	"	"	"	"	"	"	"	"
Red loamy	7 1	1067	867	800	733	"	"	700	"	800	600	720	720	840
	7 2	800	667	600	533	"	"	520	"	725	450	600	552	720
	7 3	667	467	400	367	"	"	"	"	"	"	360	312	360
Red gravelly	8 1	800	667	600	533	"	"	520	"	725	450	480	582	720
	8 2	667	533	467	433	"	"	480	"	650	300	432	432	480
	8 3	533	400	367	300	"	"	"	"	"	"	360	312	288
Arenaceous loamy	12 1	"	800	667	"	640	540	600	"	"	"	"	"	"
	12 2	"	667	600	"	480	400	480	"	"	"	"	"	"
Do. Sandy	13 1	"	600	533	"	480	400	480	"	"	"	"	"	"
	13 2	"	533	467	"	360	280	360	"	"	"	"	"	"
Do. Sand	14 1	"	533	467	"	360	280	360	"	"	"	"	"	"
	14 2	"	467	400	"	240	200	240	"	"	"	"	"	"

Revenue Settlement Office
Madras
22nd September 1869

Chief

(True Copy)
Certd. P.W. Dept., Bengal,
Irrigation Branch.

(Sd.) R.E. Mac
Director of Rev

Revenue Settlement Office,

Madras,

18th April 1873.

No. 951/27

P.56. From, Geo. Banbury Esqre

Director of Revenue Settlement

To, The Honorable W. Hudleston

Chief Secretary to Government

Fort St. George

Sir,

I have the honor to reply to your endorsement of the 27th ultimo upon letter from the Officiating Joint Secretary to the Government of Bengal in the P.W. Department, Irrigation Branch, dated 21st idem No. 443. The average weight of paddy per Madras measure of 100 cubic inches is, both for 1st sort and 2d sort 2. 16. I herewith forward

forward 6 copies each of such of the Settlement Reports as are now available in my office. They are particularized in the accompanying list, and I request that the copies of the orders of Government which are therein mentioned, as not being procurable in this office, may be forwarded from the Government records direct.

2. As a memo of the weight of certain other grains and pulses may be wished for by the Bengal Government, I append particulars

particulars as below.

Names as used in Madras	Hindoostanee	Botanical	Tolahs	lbs
Rice	Dhán	Oryza Sativa {1 Sort. 2 do.}	111.79 112.53	2.91 2.92
Gram	Kulthi	Dolichos Uniflorus	116.58	3.
Cholum	Jowar	Sorghum Vulgare	107.36	2.77
Varagu	Kodru	Paspalum Stramineum	98.07	2.53
Raggy	Ragi	Eleusine Coracana	102.19	2.63
Wheat	Gehuri	Triticum Æstivum	99.44	2.56
Ulundu or Black Gram	Másh	Phaseolus Mungo	115.53	2.98

The above are taken from the results of experiments lately made by Mr. Stokes, Acting Subsecretary to the Board of Revenue and embodied in their Proceedings dated 15th January 1873 No. 51.

By the table contained in page XXIII of Mr. Bayley's Memorandum on weights and

and measures, it is shewn that

	lbs	oz	drs
3 Tolas = 1 Pollum =	0	1	3.748 4/7
40 Pollums = 1 Viss =	3	1	5.942 6/7

It thus appears that 1 lb avoirdupois is equal to 38.82 tolahs and according to this rate the quantities given by Mr. Stokes, in tolahs, have been converted into lbs.

I have the honor to be,
Sir,
Your most obed.t Serv.t.

Geo. Bunbury.
Director of Rev. Settlement

Comp.d 81

87

List of Settlement Reports forwarded.

6 Copies of the Settlement reports of the Central and Eastern Deltas and Upland talugs of the Godavery District with Board's and Government Proceedings thereon.

6 — Do — Do — of the Western — Do — Do —

6 — Do — Do — of the talugs of Pellumbrum and Manargoody of the South Arcot District with — Do — — Do — Do —

6. — Do — Do — Do — of the 4 talugs known as Kurnool Proper, in the Kurnool District, with — Do — But G. O's dated 23d August 1864 No 1533 and 21st April 1865 No 831 not being available, may be supplied from the Government Office.

6. — Do — Do — Do — of the Centur portion of the Nellore District with Do Do But Board's Progs of 11th April 1870 No 2431 are not available from the Board's Office for 3 Copies and G.O dated 10 January 1873 No 32 are also not available for any Copies but may be supplied from the Govt Office.

6 Copies of the Settlement report of the Principal Division of the Nellore District with Boards and Government Progs: thereon, but G.O. 6th March 1873 No 267 not being available may be supplied from the Government office.

6 Copies of —do— —do— —do— of 4 talugs of the Cuddapah District, but G.O. 5th February 1873 No 145 not being available, they may be supplied from the Government Office.

List of Settlement Reports not available.

Tirchinopoly District } These are
Salem District } now being printed.

Kistna District } All copies
Masulipatam Division } have been distributed except two for office use.

Leo Rankeny.
Director of Rev Settlements

Comp. dis.

Chu899

Revenue 1873. Oct.

W. 1110

From

The Secretary of
Rev Settlement
&
The Chief Secretary
to Govt
Fort St. George

Dated 18 } April
Rec'd 19 } 1873

No

SO. No 465 - 12th May 1873
Intimating the weight
of paddy & of certain
other grains of Forwarding
Copies of certain Settle-
ment Reports for the
Bengal Govt

No 55-57

10

No 465

Resolved that the
foregoing letter together
with copy of the Bd
Proc.s dated 15 Jan.y
1823 No 51 be com.d
to the Govt of Bengal
with reference to the
Joint Secretary's letter
dated 22 Nov.r 1823 No 443.

The Sets of papers
will be completed

From the Jetes in
the Govt Office as
transmitted by Mr.
Bambury, and the
papers regarding the
Settlement of Tricheinopoly, Kistna
& Salem will be forwarded
when in print.

12 May 73.

13 To the Director of Rev Dec 2nd May/73
Settlements
14 " Board of Rev "