(1)

Revenue Department

Minutes of Consultations

15th September 1857

Back Numbers 24

Order No 926 dated 12th Sept 1857

(3)

பாதுகாப்பு பிரிவு-1

செப்பனிடுபவர் பெயர் [illegible]

செப்பனிடுவதற்காக எடுத்துக் கொள்ளப்பட்ட நாள் 11/2006

செப்பனிட்டு முடித்த நாள் 3/2007

சரிபார்க்கும் முதல் மு.நி.பா.எ கையொப்பம்.

சரிபார்க்கும் 2ம்.பா.எ. கையொப்பம்.

ஆராய்ச்சி உதவியாளர் கையொப்பம்

52/926

No. 926. REVENUE DEPARTMENT.

Extract from the Minutes of Consultation under date the 12th September 1857.

Para. 1. The Right Honorable the Governor in Council, proceeds to pass orders on the letter in this Department from the Honorable the Court of Directors dated 22d July 1857 No. 6.

Desire that this Government will take such steps as will enable the Honorable Court to comply with Professor Mallet's application for specimens of Cotton and information connected with the plant, in view to his extending his researches to the varieties produced in India.

2. Ordered that a copy of the above letter and of its enclosure, be forwarded to the Board of Revenue, who will instruct the Collectors of the Cotton growing Districts in this Presidency to furnish, as far as it may be practicable to do so, the specimens and information required by the Honorable Court for supply to Mr. Mallet.

3. Ordered also that Mr. Mallet's memo. be communicated to the Madras Literary Society and Auxiliary of the Royal Asiatic Society for publication.

REVENUE DEPARTMENT.

No. 6 OF 1857.

OUR GOVERNOR IN COUNCIL AT FORT SAINT GEORGE.

Application has been made to us on behalf of D. Mallet, Professor of Chemistry in the University of Alabama W. S., who is engaged in investigating the Chemistry, Natural history and Physical condition of the cotton plant, for specimens and information which may enable him to extend his researches to the varieties produced in India. We forward, herewith, copy of a memorandum shewing what is required for that purpose; and we desire that you will take such steps as may enable us to comply with Professor Mallet's wishes.

We are, &c.,

LONDON, *22d July* 1857.

(Signed) ROSS D. MANGLES,

(,,) J. MUIR,

&c. &c. &c.

26th May 1857.

Specimens of Cotton and information desired with a view to the Chemical investigation of the plant.

It would be desirable to have specimens from four or five of the Cotton growing localities of India, differing in soil and climate, those which are most important now, or may be expected hereafter to become so.

Separate analysis should be made of the ash of the following parts of the plant, and specimens will therefore be required of

(1st.) The root.
(2d.) The stem (with smaller branches and twigs.)
(3d.) The leaves.
(4th.) The bole or pod.
(5th.) The seed.
(6th.) The fibre or cotton.

About four pounds of each of these parts (in the *green* state) would be needed, hence a sufficient number of entire plants should be collected to yield at least the above amount of each part.

The total weight of the entire plants clear of earth and in their fresh green state must be stated, they must be weighed free from rain or extraneous moisture.

The specimens should be gathered in dry weather and *just after the bole has fully opened.*

The whole of the root, as of every other organ should be taken, each specimen should then be put up in paper or cotton cloth, and distinctly marked and referred to a list, the marks legible and indelible.

required

Besides the plants, about four pounds weight of the soil in which they were grown should be also put up in cotton cloth, and similarly labelled, carefully *referring* to the plants taken therefrom.

Information as to the following points accompanying the specimens would be very important and valuable.

(1st.) Nature and depth of the soil as to dryness or moisture retentiveness, what other crops are grown in it, is it deemed very fertile, any special weeds?

(2d.) Geological and topographical character of the District, nature of underlying rock, level above the sea, well or ill-drained naturally?

(3d.) Climate (especially as regards *rains*, their amount and the seasons at which they fall) is irrigation employed, when and how long in the year?

(4th.) Kind of seed used and whence obtained.

(5th.) General character of plant whether herbacious or tree cotton?

(6th.) Average height of plant and spread of branches, distances from plant to plant?

(7th.) Average spread of roots in depth and laterally?

(8th.) Mode of cultivation, time of planting, distance at which plants are placed apart, *amounts of labor bestowed upon weeding during growth* time, of flowering time, of picking duration of picking &c., weight of "*ginned*" cotton fibre produced per acre, weight produced per hand employed.

(9th.) Manure used if any Cotton seed returned to the soil. Stalks allowed to decay on the field.

(10th.) Diseases or ravages of insects to which the plant is subject.

Some samples of the "ginned" cotton ready for market might be useful as affording by comparison with the raw fibre an idea of the degree of care with which the seed is separated. The value of the fibre depends to a very great extent upon the attention given to this mechanical preparation.

(Signed) JOHN WILLIAM MALLET, Ph. D.
Professor of Chemistry, University of Alabama, United States.

(A true Extract and Copies.)
(Signed) L. FORBES,
Acting Secretary to Government.

R. D.

3/926 Sr. 926

Extract from the Minutes of Consultation
Under date the 12th September 1857.

P. The Right Honorable the Governor in Council proceeds to pass orders on the letter in this Department from the Honorable the Court of Directors Dated 22d July 1857 No 6.

Desire that this Govt will take such steps as will enable the Honorable Court to comply with Professor Mallet's application for specimens of Cotton and information connected with the plant, in view to his extending his researches to the varieties produced in India.

2. Ordered that a copy of the above letter, and of its enclosure, be forwarded to the Board of Revenue, who will instruct the Collectors of the Cotton growing Districts in this Presidency to furnish, as far as it may be practicable to do so, the specimens and information required

required by the Honorable
Court for Supply to Mr Mallet.

5. Ordered also that
Mr Mallet's Memo be com-
municated to the Madras Literary
Society and auxiliary of the Royal
Asiatic Society for publication.

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2 Copies to the Sec[illegible] Rec'd 14

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Asiatic Society

A/926

Revenue 1857 Dec[illegible]
24 to Cons: 15th Jany

No 926.

Extract Minutes of Cons
Dated 15th January 57.

From the Secretary to Govt Fin[illegible]
[illegible] 1856 inclosing Mr Sec[illegible]
[illegible] Board Proc[illegible] 18th Dec[illegible] 56
& 1st Jan[illegible] in Cons: 31 Decr 56.

Passing orders on a letter
in the Department from
the Honorable Court of
Directors dated 22d July
1857, No 6, instructing
certain Colleges to furnish
Specimens of Cotton, and
the information required
to supply to Mr Mallet.

No 24

A/926