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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue . DEPARTMENT

G.O. No.
B.P. No.

76

Press.
Mis.

Dated

10-1-1879

197 .

Not to be folded or roughly handled.

No 2214
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Revenue Survey Office
Camp Kotagerry
30th June 1878.

From

The Superintendent Revenue Survey

To

The Secretary to Government

Revenue Department

Sir

In G. O. dated 26th September 1876 No 1350 the Government refer for the consideration of the Superintendent Revenue Survey the question as to whether surveys of the State Forests might not be incorporated with the topographical surveys now being made and as to the scales to which materials for mapping already collected might be usefully adopted.

2 In March 1877 I found this matter had not been disposed of by my Predecessor and that in order to reply to the questions proposed it would be necessary to refer to the Forest Department for information as to the localities and extent of the State forests within this Presidency and also of the principal Zemindari forests which might, any of them be acquired or over which the provisions of a forest Act might extend. Maps of the various Districts

4 It appears from the foregoing State-
ment that tracts of State or Government forest
aggregating in area 5465.50 Square Miles have
already been surveyed by this Department for
topographical purposes. In the statement
appended to this report a list of the
State and private forests is given in greater
detail. The present state of progress of the
surveys both for Revenue and topographical
purposes, in relation to the extent and position
of the forests is brought to view in two maps
which accompany this letter and are lettered
B and C. The one is an index to the progress
of surveys on all scales, the other on tracing
cloth shows the position of the forest and forest
reserves distinguishing those which have been
surveyed.

A study of the maps and a consideration of the statistical information given above will afford a tolerably clear idea of the nature and extent of the work involved by a survey more or less complete of the forests of the Presidency.

G. A. No 720 of
17th March 1869

5. Under the orders of Government now in force Waste tracts and Zemindaries excluded from Revenue Survey for the scale of 16 inches to a mile, are surveyed by this Department with

7. A consideration of the objects to be served by forest maps in connection with conservancy will supply reasons for the above view. Occasion will be found to record on the map.

8. / The details numbered 1 to 5 cannot well be shown with distinctness and accuracy on maps of a smaller scale than 4 inches to a mile.

Amongst the traps forwarded in
illustration

1. A full description of the forest boundary
2. A full description of the forest boundary
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9. A full description of the forest boundary
10. A full description of the forest boundary

The following are the results of the
conference held at Berlin in 1874, showing that
in Germany, Prussia, Bavaria and Baden the
working maps of the forests are given with
scales of from 1:25,000 to 1:100,000. It is
the system of conservation, with its need for
elaborate in this country, there is no doubt
essential features of all conservation, and
regarding which, I can not think of any
on scales smaller than 1:100,000.

In maps on a scale of 1:100,000 or
the whole of the details, and about
could be inserted. These maps, however,
10 would be surveyed and sketched.

Department in the ordinary course of the
topographical survey. The boundary of the
forest would be traversed with the theodolite
and chain and the measurements &c. being
entered in a field book could be plotted on
both the 4 inch and 2 inch scales. Details
7, 9 and 10 would be sketched by plane
table on the 2 inch scale, and transferred
by enlargement to the forest boundary map
on a scale of 4 inches to a mile with sufficient
accuracy for the purpose of the Forest Depart-
ment, but as regards hills, a few contours only
should be sketched on the forest 4 inch map
as a guide to the aspects of the ground. Hill
sketching by horizontal or vertical hachures
should be omitted from the 4 inch map as tending
to confuse all other detail. In illustration
of the difficulty which would be met in
utilizing for forest conservancy purposes a hill
sketched map, I forward herewith a portion
of that of Mercator's map on a scale of 2 inches
to a mile (C). It will be conceded that
details and information regarding the timber
can better be recorded on the copy in outline
(F) without hills than on the hill sketched
impression. The heights of all prominent hills
as ascertained with the aneroid barometer
or otherwise would be shown on the forest
maps. Details 2 to 6 inclusive must necessarily
be inserted by the Forest Officers and as Officers
are

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unobjectionable, but the indications of soils
given by him, cannot I think be successfully
combined with the former. For the reasons
already given the representation of the character
of soils by dots rings diamonds and crosses
would fail in a lithograph. So far as I can
gather, it seems to be the practice in Europe
to prepare special copies of forest maps when
it is desired to contrast the growth or nature
of timber with the soil or geology of the
various tracts. In these the soil can be
indicated by colour to any desired extent while
the nature of the growth marked out in
distinct areas by circumscribing dotted lines
can be written down within such areas.

I annex with reference to the fore-
going remarks two tables of references which
might I think be generally adopted without
difficulty, appended to each is a small example of forest mapping.

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A sketch has been given above of the
nature of the work which is required in order
to satisfy the requirements of the forest
Department in the matter of maps, and of
that of the topographical surveys now in
progress and it remains to show how the operation
of this Department can be best directed so as to
meet general requirements. The arrangements
necessary are very simple. We have to deal with
two distinct sets of circumstances viz that in
which there has been no previous survey of the
tract by this Department and there is no map
available except the Atlas sheet and that in which

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Subordinate...
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if required for the purpose of clearing special boundaries and place himself in communication with the Survey Officer with a view to the perfection of arrangements. A Forest Subordinate should if possible be attached to the Party of demarcators working on the boundaries of District Taluqs or Gemmindaries running through forests in order to his furnishing assistance in pointing out the boundary and procuring labour. The Survey Officer should as soon as possible supply the Forest Officer with an eye sketch of the boundaries of State forests which are about to be surveyed and the Forest Officer should thereon mark out the tracts of which working maps on the scale of 4 inches to a mile are required and return it to the Survey Officer. For such portions the traverse work will be plotted on the 4 inch scale and reduced thereafter to smaller scales required by the Survey Department. The cost of mapping on the 4 inch scale should be charged to the Forest Department.

Topographical details within State and Gemmindari forests will be sketched in by the Survey Department as a part of its ordinary duty but the boundaries of interior subdivisions of forests ^{necessary for forest} management should be inserted by Forest Officers on lithograph or other copies of maps. Surveys of State Forests will be carried out as part of the general topographical survey of the Presidency the traverse work around the boundaries will be connected with minor triangulation.

1. The position which in the past has been
to the situation of the land and the plan
will be traced, except from the land
which may arise in the district for the
purpose of the Forest Department.

2. The plan should show the progress
of the geographical and state of the land
and the land which is the property of the
for his information and for a plan in making
acquisition for land required by the Department.
3. In cases where topographical maps on the
scale of 2 inches to a mile or 1 inch to a mile
have been completed by the Department as
shown on the index attached to the report,
maps on these scales can be made in duplicate.
4. If special maps on larger scales are required
they can be prepared for the Forest Department
boundaries of Districts and of the Forests and
in all cases demarcated and shown and in
some instances these boundaries and the
additional labour would be required to trans-
form the existing maps into Forest maps and
usually the work would be of a nature which
would, under the arrangements suggested above,
always devolve on the Forest Department. The
boundaries of tracts of forest taken up for conservation
where there are not contraventions with adminis-
trative or property boundaries already demarcated,
should be cleared by the Forest Department under
the direction of a Survey Demarcator marked
out and traversed by Surveyors detached from
the nearest Party for the purpose but the
lay of such Surveyors and demarcators should

be charged to the Forest Department and
their supervision should devolve on the Forest
Officer who alone can ensure economical
work from men who will be practically removed
from the control of the Deputy Superintendent.

I have the honour to be
Sir

Your most obedient servant
Wm. Scott. McDonald & Co.
Superintendent of the Forests

District	Saling	Name of Forest tract Fuel reserve	Nature of Holding	Area in square miles	State of Survey	Total area in each Dist.	Remarks
1	2	3	4	5	6	7	8
Cuddapah	Panyam Gumsur		Government Forest	859.07	Surveyed	895.36	
	Toddutur		Private do	36.29	Under survey		
	Budvair.		Govt. do	136.61	Under survey		
	Sidhout		do	199.93	do		
	Cuddapah		do	340.29	do		
	Poyachoti		do	43.52	do		
	Voilpad		do	239.81	do		
			do	25.44	do		
			do	393.60	do		
			Private do	4.67	do		
Cuddapah	Balapally	Fuel reserve	3.13	do		1410.05	
	do no 1	do	2.70	do			
	do no 2	do	2.70	do			
	Pullampati		do	5.47	do		
			do	4.69	do		
			do	0.94	do		
			do	4.69	do		
			do	4.69	do		
			do	4.69	do		
			do	4.69	do		
Cuddapah	Marthapur		Govt. Forest	403.07	Under Survey	1739.06	
	Nandikothkur		do	591.74	Surveyed		
	Cumbum		do	381.57	Surveyed		
	Nandial		do	180.86	do		
	Sirwell		do	181.82	do		
	Kalastrykem		Private do	24.77	do		
	Carvetnuggurtem		Govt. do	14.53	do		
			Private do	295.93	do		
	Chendragherry		Govt. do	152.00	Under Survey		
			Private do	1.60	Surveyed		
Cuddapah	Mamandur	Fuel reserve	4.00	do		1739.06	
	Chazertam	do	0.38	do			
		do	0.38	do			
	Chittur		Govt. Forest	270.97	Under Survey		
			Private do	53.25	Under Survey		
			Govt. do	50.88	Under Survey		
			Private do	169.28	do		
			do	169.28	do		
			do	169.28	do		
			do	169.28	do		

Statement of Forest tracts and Fuel reserves situated in the Madras Presidency up to 31st March 1877

District Taluk Name of Forest tract or Fuel reserve State of Survey area in each Dist. Remark

1	2	3	4	5	6	7	8
Tamil Nadu	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
Gururath	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
Vellore	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
Pohor	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
Arcot	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
Sifpat	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
Nisthup	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
Coram	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
Sarampuri	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
Uttamang	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
Salem	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
Attur	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
Tamil Nadu	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				

Statement of Forest tracts and Fuel reserves situated in the Madras Presidency up to 31st March 1877

1	2	3	4	5	6	7	8
Tamil Nadu	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
Gururath	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
Vellore	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
Pohor	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
Arcot	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
Sifpat	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
Nisthup	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
Coram	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
Sarampuri	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
Uttamang	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
Salem	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
Attur	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
Tamil Nadu	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				
	Chinnasamundam	Forest	1853-73				

Statement of Forest tracts and Fuel reserves situated in the Madras Presidency up to 31st March 1877

Dist. Taluq.	Name of Forest tract or Fuel reserve	Nature of Holding	Approximate area in acres	State of Survey	Total area in acres	Remarks
Circar	Collegal	Govt. Forest	103.77	Surveyed		
	do	do	135.07	Surveyed		
	Phirvan	Fuel reserve	99.70	Surveyed		
	Sathyanam	Govt. Forest	270.85	Surveyed		
	do	Govt. Forest	262.33	Surveyed		
	Chinnabot	H. Reserve	101	Fuel reserve	8.00	do
	do	do	102	do	6.00	do
	do	do	103	do	5.00	do
	Sholaburay	do	1.58	do		
	Arumathakotta	Govt. Forest	205.87	Surveyed		
Pudukottai	do	do	194.17	Surveyed		
	Arumathakotta	Fuel reserve	7.21	Surveyed		
	Govt. Forest	do	83.94	do		
	Private	do	13.64	do		
	Govt. Forest	do	3.00	do		
	Govt. Forest	do	3.50	do		
	Govt. Forest	do	87.33	do		
	Fuel reserve	do	5.00	do		
	do	do	3.00	do		
	Govt. Forest	do	297.53	Surveyed		
Tiruvannamalai	Private	do	49.23	do		
	Govt. Forest	do	81	Surveyed		
	Private	do	08.57	Surveyed		
	Fuel reserve	do	2.51	Surveyed		
	do	do	4.00	do		
	Govt. Forest	do	44.33	Surveyed		
	do	do	23.87	do		
	Private	do	77.03	do		
	Govt. Forest	do	80.19	Surveyed		
	Govt. Forest	do	231.79	Surveyed		
Tirunelveli	Govt. Forest	do	8.38	Surveyed		
	Govt. Forest	do	31.25	do		
	do	do	138.37	Surveyed		
	Fuel reserve	do	2.68	Surveyed		
	do	do	3.57	do		
	Govt. Forest	do	10.00	Surveyed		
	Govt. Forest	do	10.00	Surveyed		
	Govt. Forest	do	10.00	Surveyed		
	Govt. Forest	do	10.00	Surveyed		
	Govt. Forest	do	10.00	Surveyed		

Statement of Forest tracts and Fuel reserves situated in the Madras Presidency up to 31st March 1877

Dist. Taluq.	Name of Forest tract or Fuel reserve	Nature of Holding	Approximate area in acres	State of Survey	Total area in acres	Remarks
Tirunelveli	Miljiri	Govt. Forest	201.73	Surveyed		
	do	do	247.81	Surveyed		
	Upinangadi	do	706.24	do		
	do	do	85.37	do		
	Kasergode	Private	do 112.64	do		
	Uangalore	Govt. Forest	do 59.71	do		
	do	do	240.96	do		
	Simmev	Govt. Forest	2.27	Surveyed		
	do	do	0.99	do		
	Ottapida	Govt. Forest	do 1.76	do		
Tirunelveli	Sattur	Govt. Forest	do 0.39	do		
	do	do	0.94	do		
	Govt. Forest	do	0.38	do		
	Private	do	100.00	do		
	Govt. Forest	do	100.00	do		
	Govt. Forest	do	100.00	do		
	Govt. Forest	do	100.00	do		
	Govt. Forest	do	100.00	do		
	Govt. Forest	do	100.00	do		
	Govt. Forest	do	100.00	do		

New Survey Office
Camp, Kottayam
30 June 1877

Adm. Secy. St. John R.E.
Superintendent New Survey

"For list of Forest acquisitions made by the Forest Dept. up to April 1877 see Proceedings of Govt. in the New Dept. dated 30th January 1878 No 153."

Comp. by A.R.
7/1/78

*Enclosed to the Hon.
the Superintendent of
the Revenue Survey
of the Province of
Madagascar.*

Madagascar

1878



No. 4273
194

Revenue Survey Office
Lehmann
17th December 1878

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13*

From

The Superintendent Revenue Survey,

To

The Secretary to Government
Revenue Department.

SIR,

I have the honour to request you
will return, for reference, the 7 specimens
B Presidency Maps, shewing forest
C Do Tracing shewing surveyed
& unsurveyed forests
D Map shewing description of
D Do Do Do
E Portion of Mercator's Atlas
F Do Do in outline of
G Kottad Nohli in leong
your most obedient servant

I have the honour to be
Sir
your most obedient servant

*20th Dec
Ed - Mm*

*Wm Scott Leitch
Superintendent Revenue Survey*

Particulars

No.

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Receipt No.

Dated

Letter No.

No.

of 187

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Not a receipt for the money of 1876

Received 1878

Mrs. H. H. G. 17976

The following is a list of the

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REFERENCE

Specimen Forest Maps:-
Required to return the 7 -
forwarded with N^o 2316
of the 30th Jan 1876.

1876
Ordered according to

10 Jan 1879

Ref 2367/79

No 76