Archives I 10,006 –16-8 77.

(1) Number of pages 28

(2) Date of repair Aug'81

(3) Initials of the Referencer

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue . DEPARTMENT

G.O. No. / ~~B.P. No.~~	76	~~Press.~~ / Mis.
Dated	10-1-1879	197 .

G.S

Not to be folded or ***roughly handled***

A° 2214/93

Revenue Survey Office
Camp Kotagherry
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 & which materials for mapping already prepared might be usefully adopted.

2 On 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

The area of forests handed over to the Forest Department for conservancy is chiefly derived from the list given by the Conservator in his Annual Administration Report for 1876-77.

4 It appears from the foregoing statement that tracts of State or Zemindari 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 location 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 fuel 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.O. 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 a

adjacent country its roads towns &c and being simply a portion of the Taluq map referred to in the preceding para. 2/3

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.

(1) The boundary of the forest and the marks defining it.

(2) The nature of the timber or growth and whether natural or planted.

(3) In the case of plantations, the age of the timber.

(4) The boundaries of subdivisions marking out tracts taken up for special treatment or of similar characteristics

(5) Areas of plantings and fellings.

(6) The nature of the soil or subsoil.

(7) The aspect or general lie of the ground or hill features.

(8) The heights above the sea at various points.

(9) The position of foresters huts and timber depots.

(10) The roads, streams villages &c

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 maps forwarded in illustration

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 scale. 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 Department, 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. All 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 utilising for forest conservancy purposes a hill sketched map, I forward herewith a portion of that of Mercara taken on a scale of 2 inches to a mile (E). 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

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 soil 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.

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

" 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 operations 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 sheets and that in which

X D & D'

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 Districts Taluqs or zemindaries 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 Zemindari 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

be charged to the Forest Department and
their supervision should devolve on the Forest
Officer who alone can insure 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 obedt. Servant
Alex. Scott. D.F.C. R.E.
Superintendent Cen. Circle

1878

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

District Taluq	Name of Forest tract or Fuel Reserve	Nature of Holding	Area under Cultivation	State of Survey	Total area in each Dist.	Remarks
1	2	3	4	5	6	7	8
Tanjam Gunnur		Government Forest	859·07	½ Surveyed ½ Under survey	895·36	
		Private do	36·29	½ Unsurveyed ½ Under survey		
		Govt: do	136·61	Surveyed		
	Poddutur	do	199·93	do		
	Budvail	do	340·29	do		
	Sidhout	do	43·52	do		
	Cuddapah	do	239·81	do		
	Royachoti	do	25·41	do		
	Voilpad	do	393·60	do		
		Private do	4·67	do		
Cuddapah	Balapally	Fuel Reserve	3·13	do	1410·05	
	Pullampet	do no 1	2·70	do		
		Gullagunta Chamb no 2	5·47	do		
		do no 3	4·69	do		
		Veragunta no 4	0·94	do		
		do no 5	4·69	do		
		Thumaconda no 6	4·69	do		
		Vacatoconda no 7	4·69	do		
		Gathalanaka-nakpalli				
North Arcot	Markapur	Govt: Forest	403·07	Under Survey	1739·06	
	Mandikotkur	do	591·74	⅔ Surveyed ⅓ Under Survey		
	Cumbum	do	381·57	Surveyed		
	Nandial	do	180·86	do		
	Sirvell	do	181·82	do		
	Kalastry Zemindary	Private do	24·77	do		
	Carvetnuggur Zemindary	Govt: do	14·53	do		
		Private do	295·93	do		
	Chendra-Sherry	Govt: do	152·00	⅔ Under Survey ⅓ Unsurveyed		
		Private do	1·60	Surveyed		
		Maumundy Fuel Reserve	4·00	do		
		Chazerlanum do	0·38	do		
	Chittur	Govt: Forest	270·98	⅔ Under Survey ⅓ Unsurveyed		
	Punigamur Zemindary	Private do	53·25	Under Survey		
		Govt: do	50·88	Unsurveyed		
		Private do	169·28	do		

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

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District	Taluq	Name of Forest tract or Fuel reserve	Nature of Holding	Approximate Area in Sq. miles	State of Survey	total area in each Dist.	Remarks
1	2	3	4	5	6	7	8
South Arcot	Tirunamalai	Govt. Forest		416·19	⅛ Surveyed ⅞ Unsurveyed		
		Private do		2·88	Unsurveyed		
		Muttanai	Fuel Reserve	6·25	do		
		Chinnasamudram	do	10·00	do		
		Perumpolathur	do	7·50	do		
		Cusbah Tirumalai	do	3·67	do		
	In Salem N. Arcot and S. Arcot	Tirumalai	do	36·00	¾ Surveyed ¼ Unsurveyed		
	Tirukovilur	Govt. Forest		132·41	Under Demarcation or Survey		
		Private do		0·96	do		
		Mutacadu	Fuel Reserve	3·90	do		
		Kerrivadu	do	1·10	do		
		Kottamuthalam	do	3·13	do		1144·03
		Sadyapalem	do	3·90	do		
		Periamanai	do	13·81	do		
	Villupuram	Gungavaram	do	12·50	do		
	Villupuram	Govt. Forest		57·85			
		Private do		2·17	do		
	Tindivanam	Govt. do		72·83	Unsurveyed		
		Kallakurichi	do	148·09	do		
		Private do		112·00	do		
	Virdhachellam	Govt. do		37·50	do		
		Private do		1·02	do		
	Cuddalore	Govt. do		41·28	½ Surveyed ½ Under Demarcation or Survey		
		Private do		0·77	Surveyed		
	Chidambaram	Govt. do		16·32	do		
	Udiarpalayam	Govt. do		87·29	do		
		Private do		66·49	do		
	Jeyambalam	Govt. do		19·26	do		
		Private do		2·05	do		
	Musiri	Govt. do		58·43	do		
		do		6·40	do		274·21
	Trichinopoly	Srirangam	Fuel Reserve	0·72	do		
		Thuvagudi	do	1·80	do		
		Govt. Forest		31·61	do.		
	Kulitalai	Lalapettai	Fuel Reserve	0·16	do		

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

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Dist.	Taluq.	Name of Forest tract or Fuel reserve	Nature of Holding	Approximate area in square miles	State of Survey	Total area in each dist.	Remarks
1	2	3	4	5	6	7	8
Nilgiri	Nilgiri		Govt. Forest	201·73	½ Surveyed ½ Under Survey	201·73	
South Canara	Kodipi		do	247·81	½ Unsurveyed Unsurveyed	211·77	
	Upinangadi		do	706·24	do		
	Kasergode		do	85·37	do		
			Private do	112·64	do		
	Mangalore		Govt. do	59·71	do		
			do	240·96	do		
Tinnevelly	Tinneveli	Manumichi	Fuel reserve	2·27	Surveyed	347·69	
		Tachanum	do	0·99	do		
	Attapidan	Kytan	do	1·76	do		
	Sattur	Sattur	do	0·39	do		
	Tenkarei	Tutucorinblock	do	0·94	do		
		Puthucolum	do	0·38	do		
	Storivilliputtur		Private Forest	100·00	½ do ½ Unsurveyed		

New Survey Office
Cinch Kottapalayam
30 June 1878

Actg Secretary to Govt.

Lt Colonel R.E.
Superintendent of New Survey

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

Compared by ...

No. 4273
1/4

Revenue Survey Office
Coimbatore
17th December 1878

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From

The Superintendent Revenue Survey,

To

The Secret ry to Government
Revenue Department.

SIR,

I have the honour to request you will return, for reference, the 7 specimen Maps, as per margin, sent with my letter No. 2214 of the 30th June 1878.

B	Presidency Maps, shewing forests	
C	—— Do —— Tracing shewing surveyed & unsurveyed forests	
D	Map shewing description of forests	1
D	—— Do —— —— Do —— —— Do	1
E	Portion of Mercara Taluk	1
F	—— Do —— —— Do —— in outline without hills	1
G	Nidtad Noble in Coorg	1

Your to Fort notice

I have the honour to be
Sir
your Most Obed.t Servant

Alex.r Scott Lieut.t Col.o R.E.
Superintendent Rev.e Survey

2 pw Ld
Encl— Dm.

Sept 23 1779.

Jan 76