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**THE WRITING IN THIS VOLUME
IS TOO CLOSELY BOUND
INTO THE VOLUME TO
REPRODUCE IN ENTIRETY.**

APPENDIX II.

I now propose to analyse the cost of the boundary Survey and to make it the basis of an approximate estimate of the cost of the secondary, Tertiary and topographical Survey contemplated. I also use it as a means of checking the estimates sent in by the Survey and Land Office. In order to compare fairly the figures I find that the cost of the boundary Survey was 30 % more than it would have been if I had not been operating far from the railway. Also owing to transport and other delays which would probably not have occurred near the railway. 30 % must be added to the output.

The whole time of one officer was required for erecting Boundary pillars, I consider that this officer would have been able to carry out tertiary triangulation over the area covered by the sketchers had it been required.

The figures are as follows for 1 years work.

Table 1.

Table I.

Actual Figures

Probable Figures if near Railway

	work e	cost £	cost £	work e	cost £	cost £
secondary triangulation officers	355 miles	5450	15 per mile	460 miles	4200	9.1 per mile
boundary marking equivalent to tertiary triangulation 1 officer	3000 sq.miles	2700	0.9 per sq. mile	3900 square miles	2100	0.54 per sq. mile
geographical work S.N.C.O.s	3000 square miles	3650	1.2 per sq. mile	3900 square miles	2800	0.72 per sq. mile
state management expenses distributed		£: 11,800			£: 9,100	

The amounts of survey estimated for by Mr Waring in his letter No. 2571 Sept 25th, 1904 are as follows:

	cost	time
secondary triangulation Mombasa to the Lake 450 miles		
tertiary triangulation 15,000 square miles	£: 32,000	3 years
geography 15,000 square miles		

Estimating from cost per mile in table I.

with parties proposed page 9

secondary triangulation 450 miles @ £: 9.1	£: 4050	6 months
tertiary triangulation 15,000 sq.miles @ £: 0.54	8100	1½ years
geography 15,000 sq.miles @ £: 0.72	10800	1½ years
extra expenses permanent marks	1400	
permanent offices stone	1000	
expected delays &c 20%	5000	
	£: 30400	

In this estimate all salaries are included.
In Mr Waring's some are omitted.

The allowance for contingencies is put at £:5050 instead of £:150, on the other hand quarters are omitted since the estimated time is short. Mr Waring's estimate puts transport and labour far too low. He however underestimates by a great deal the output of work to be expected.

The general result is a difference of 5% which is not large.

I now proceed to estimate on the same basis for the larger proposals which I advocate, which are shown on the blue print attached and coloured pink;

		cost	time
Secondary triangulation	900 miles @ £9.1	£ 8200	1½ years
Tertiary triangulation	36000 sq miles @ £ 0.54	19400	2½ years
Topography	36000 sq miles	25800	2½ years
Extra permanent marks		3000	
Offices permanent		1000	
Quarters		1500	
18.9% unexpected delays & contingencies		11100	
Total £;		<u>70000</u>	

~~Summary.~~

1 European Staff	£ 18269	16	10
2 Native Staff	14480	0	0
3 Transport	525	0	0
4 Equipment	1244	2	6
5 Instruments	1430	5	0
6 Books & Stationery	576	10	6
7 Allowances	1920	0	0
8 Buildings	7000	0	0
9 Passages &c	3099	0	0
10 Miscellaneous	10970	0	0

17.6%	Total	59514	13	10
add 19% contingencies		10485	6	2

Grand Total	£ 70,000 - 0-0
-------------	----------------

1. Salaries European Staff.

1st Trigonometrical Section

& Head Quarters.

	£ s d	£ s d
1 Surveyor General at £900 per annum for 2½ years	2475 0 0	
1 Subaltern R.E. @ £600 per annum for 2½ years	1650 0 0	
1 Military Clerk, Sergt Major or Sergt @ £250 per annum for 2½ years	687 10 0	
Leave on 3 months full pay and 3 months + pay after 30 months service in the country		
Surveyor General	393 15 0	
Subaltern R.E.	262 10 0	
Clerk	<u>109</u> 7 6	
TOTAL		5578 2 6

2. 2nd Trigonometrical Section

1 Captain R.E. @ £700 per annum	700 0 0	
1 Subaltern R.E.	600 0 0	
1 Military Clerk	150 0 0	
Leave 2 months per year on full pay		
Captain R.E.	116 13 4	
1 subaltern R.E.	100 0 0	
Clerk	<u>25</u> 0 0	
TOTAL		1691 13 4
Carried forward		7259 15 10

	£	s	d	£	s	d
--	---	---	---	---	---	---

Brought forward

7269 15 10

Minor Trigonometrical Section

Subalterns R.E. @ £600 per annum

for 2 years

2400 0 0

Assistants from existing staff

of the Protectorate

are 3 months on full pay and 1

month on $\frac{1}{2}$ pay after 2 years

in the country

Subalterns

375 0 0

TOTAL

2775 0 0

Topographical Section

Subaltern R.E. @ £600 per annum

for 2½ years

1500 0 0

Sergeants R.E. @ £300 per annum

for 2½ years

1500 0 0

L.C. Os. R.E. @ £200 per annum

for 2½ years

3000 0 0

Draughtsmen R.E. @ £200 per annum

for 2½ years

1000 0 0

Leave 3 months on full pay

& 3 months on $\frac{1}{2}$ pay after 30

months in the country

Subaltern

262 10 0

Sergeants

262 10 0

L.C.O.s.

525 0 0

Draughtsmen

175 0 0

TOTAL

8225 0 0

Total European Staff

£ 10,269.15.10

Native Staff

4 Indian masons @ Rs:75 per manum	£	s	d	£	s	d
for 2 years		480	0	0		
2 Indian carpenters @ Rs:75						
for 2 years		240	0	0		
2 Indian smiths @ Rs:75						
for 2 years		240	0	0		
10 Swahili fundis @ Rs:20						
for 2 years		320	0	0		

Porters

Surveyor General	40		
Captain R.E.	40		
5 Subalterns	175		
2 Clerks & Office	35		
2 Sergeants R.E.	32		
6 N.C.Os R.E.	90		
Draughtsmen	--		
2 Asst. Surveyors from Protectorate	60		
2 Compt. Court	20		
Escort	20		
Medical Officer	15		
Total Porters	521		
for 2 years at Rs:10 per month		8432	0
		0	0

Servants 4 per Officer &

2 per N.C.Os. total 52 @ Rs:15 per month for 2 years	1248	0	0
---	------	---	---

Feed for 600 native staff

2/8 Rupees per month for 2 years	2400	0	0
-------------------------------------	------	---	---

Clothing for above			
1 Blanket	4/-		
1 Jersey	4/-		
1 Batties	2/-		
1 Water bottle	4/-		
once a year		120	0
		0	0

Total for Native Staff 14.480 0 0

3. Transport

19 mules for European Staff
@ £25 £:425

50 denkeys @ £2 100

Total £525 0 0

4. Equipment.

		£	s	d	£	s	d
8	Double roof ridge tents complete (1 for office)	100	0	0			
	Ground sheets for above	13	0	0			
8	Outer flies with poles for verandahs	24	0	0			
8	36 x 36 Teak Tables (1 office)	21	0	0			
12	Double roof ridge tents for N.C.Os	160	0	0			
12	Outer flies with poles	24	0	0			
5	Emigrant tents for Stores	25	0	0			
8	Ground sheets 12 feet x 10 feet to cover baggage	16	0	0			
7	green S.L.bags	4	0	0			
7	X beds green	9	0	0			
7	Cork mattresses	3	0	0			
7	Mos. Curtains	5	5	0			
7	Baths and wash stands	7	0	0			
7	Canvas buckets	1	15	0			
7	Green hair pillows	1	10	0			
20	Berkefeld filters	42	0	0			
40	Extra candles	10	0	0			
20	Extra washers	10	0	0			
7	sq. Japanesed Camp lanterns	2	12	6			
20	Empress lamps	15	0	0			
40	doz wicks for same	2	0	0			
7	R.B.Creqest chairs	2	15	0			
7	Rorkee chairs	7	0	0			

Carried forward:

496 7 6

Exhibits continued:

Weight forward:

	£	s	d	£	s	d
	496	7	6	496	7	6
1. C.O. outfit articles		2	10	0		
1. Lined sauce pans 2 pts						
ints		7	5	0		
2. Cooking pots		1	1	0		
3. Spoons			1	0		
4. Knives			4	0		
5. Coffee mills		1	5	0		
6. Sincers		3	0	0		
7. Fry pans seamless 9"		1	0	0		
8. Open baskets with partitions for above		4	10	0		
				20	16	0

1 wicker basket partitioned in
centre lined with
bags & covers for cutlery centg:

4 Soup plates	4 large plates
4 small plates	4 cups & saucers
4 egg cups	4 table knives
4 dessert knives	1 Cook's knife
2 small cook's knives	Steel
4 T. forks nickel	4 dessert forks
4 spoons	4 dessert spoons
4 Tea spoons	4 egg spoons
2 meat dishes	2 Veg. dishes
4 pint tumblers	1 pepper caster
1 Salt cellar	1 Mustard pot
1 Tea pot 2 pints	1 Coffee pot Turk
1 Milk jug	12 Dish cloth
2 napkins	3 Selvyta
2 Metal polish	4 Table cloth 1/2 yds
2 glass tumblers	9 0 0

6 baskets as above with half the
articles for officers

27 0 0

E.C.O.s Outfit as supplied to

E.C.O.s serving in E.A.P.

and Uganda through the

Crown Agents @ £230

360 0 0

396 0 0

Carried forward

913 3 6

56

Equipment continued:

	2	s	d	f	s	d
brought forward :				913	3	5
24 Hurricane lamps	7	4	0			
100 Axes felling with handles	45	0	0			
100 Helves spare	5	0	0			
100 Bush knives blade 12"	25	0	0			
100 Bill hooks	20	0	0			
36 Picks	5	0	0			
36 shovels or spades	5	0	0			
24 hand saws	11	0	0			
3 saw sets		4	0			
24 files 3 squares	1	0	0			
6 planes assorted	2	10	0			
6 Nail pullers	3	12	0			
6 Screw drivers		6	0			
6 chisels various		15	0			
6 spoke shaves	1	0	0			
6 Hammers		15	0			
Nails, screws , tacks &c.,	2	0	0			
Paints assorted	2	0	0			
" brushes		6	0			
2 tool boxes Joiner's	14	0	0			
2 " " Mason's	5	0	0			
2 " " Black Smith's	5	0	0			
2 Field forges	12	0	0			
Repe various	10	0	0			
Foot rules		12	0			
24 Zinc buckets	6	0	0			
12 Augers various		15	0			
Up keep & repair 2nd year	100	0	0			
Total				280	19	0
Total for Equipment				£1204	2	6

20 Camp Tables 36 x 24

40 0 0
1244 2 6

Instruments continued

	£	s	d	£	s	d
Brought forward				1258	17	6
oak case drawing instruments from Bdy Coms'n repairs	10	15	0	2	0	0
arrows, sets of	2	0	0			
drawing boards, extra large, @ 1/6/-	10	8	0			
parallel rulers, 18", @ £2-5-0	18	0	0			
straight edges @ fl-4-0	9	12	0			
german silver straight edges, with 30° diagonal inch x $\frac{1}{2}$ inch, and divided on edge inches and 10th, in case @ £4 7/6	9	12	0	-	-	-
from Bdy Coms'n						
flat boxes for maps @ £1/10/-	9	0	0			
Prismatic compasses @ 3/-/-	2	10	0			
from Bdy Coms'n						
sets Marquis scales	5	0	0			
Survey levels, 1 ft side or 4 ft						
6" celluloid carrying case						
sets @ 1/-/6						
clinometers	one					
for each surv. by C	24					
spare from Bdy C	-					
Salter's box	41					
Ranging poles	2					
ternate blank				0		
Met. rec & m	12					
Sketching unit officer & NOG	3.	14	0			
Field levels	5	13	0			
squares 48"	5/8			15	0	
Total				191		
Total for instruments				£1459		

6. Books and Stationery.

A. Books

	£	s	d	£	s	d
Nautical Almanacs for 3 years	2	12	6			
Tables Shortreduced	16	0	0			
Tables Chambers	4	10	0			
Logarithm's new manual of Logarithm	6	0	0			
Mournals for topographical Survey	2	16	0			
Survey papers S.M.L.	-	-	-			
Auxiliary Tables Survey of India	2	6				
Handbook trigonometrical Branch Survey of India	1	10	0			
andbook Topographical Survey of India	1	0				
Inst. Manual of G.T. Survey	-	-	-			
Leuvenet's Inst. Manual	2	0	0			
Prints &c price 1/-	12	10	0			
Various books & Pamphlets	20	0	0			
				£: 76	10	6

B. Stationery.

12

12 Stationery boxes for Offices

19 Stationery boxes ⁱ for each Officer & N.C.O

1 Typewriter with all accessories
1 special case for carrying on Safari

Separate

1 typewriter

1 special case

1 cross pen by

1 typewriter

1 typewriter

24 reels ^{16 P.S.}

72 pieces Indian paper various

Stationery continued:

48 paper weights
12 boxes paper fasteners
4 paper punches
6 India rubber stamps
8 doz Saucers, ink & paint
48 sticks Indian ink
96 bottles ink Higgins
12 bottles paste
12 bottles gum
48 lbs glue
4 glue pots
96 paint brushes
24 gum brushes
24 glue brushes
1000 yards Linen mounting, 48-in wide
4000 Calculation forms various

Say total for Stationery for 3 years £: 500

Books £:	76-10-6
Stationery	500- 0-0
total	576-10-6

7. Allowances.

A. Travelling

	£	s	d	£	s	d
7 Officers @ Rs:5 per diem say for 300 days	700	0	0			
10 N.C.Os @ Rs:3 per diem	720	0	0			

B. Quarters

in lieu of quarters when at Head Quarters	say:	500	0	0	(.)
--	------	-----	---	---	-----

Total	1920	0	0
-------	------	---	---

8. Buildings

Offices	£: 1000
Quarters for Staff	4500
Quarters for Natives	1500
Total	£: 7000

(64)

9 Passages Steamer & Rail & fares & freight.

7 officers 1st class steamer & return @ £100	£: 700 0 0
12 N.C.O.s 2nd class steamer & return @ £55	666 0 0
Extra baggage stores etc	100 0 0
Railway fares incl arrival from and departure to england 7 1st class 5 times in 2 years	144 0 0
12 second class 5 times in 2 years	165 0 0
600 porters 3 times incl to & from Mombasa	1230 0 0
Freight of goods	100 0 0
Total	£: 3099 0 0

65

10. Miscellaneous .

		f	s	d	f	s	d
120	Trigonometrical stations erection &c @ £.20	2400	0	0			
2000	Minor Trigonometrical stations 1 per 15 sq.miles in 36000 miles 2000 @ £.3	6000	0	0			
	Postage & Telegrams	100	0	0			
19	Game Licenses for 3 Years this will save great expense to provide the porters with a meat ration 3 times per week 19 x 10 x 3	570	0	0	*		
	Ammunition & Fireworks (Rockets Port fires, Blue lights &c.)	100	0	0	*		
200	heads of cattle per year for emergency when no game is obtainable. 3 heads give the Safari 1 days ration or 66 days for the year 200 x 3 x 3	1800	0	0	*		
	Total				10,970	0	0

BUDGETARY APPENDIX

Annual estimates, increases proposed.

Several items require detailed estimates).

Present Survey Staff becomes:

Cadastral Survey, 1906 & 7

Increase:
2 Assistant Surveyors @ £: 250 £: 500
(It is probable that further increase
may be required later).

Passages 1st class @ £:50 100

(Increase of pay on reengagement not
yet required but required eventually) --

10% increase in pay for continuous
work in unhealthy parts 50 ?

Increase Draughtsmen and re-
organization (details below). 504

Allowances in lieu of quarters 100 ?

Permanent stone offices Nairobi 1000 ?

do do do Mombasa 250 ?

Total 2504 ?

4. Land offices: 700 ?

Conveyancer 300 ?

Clerks 300

2 Assistant Land Officers 500 ?

Permanent stone offices Nairobi 500 ?

do do do Mombasa 250 ?

Total 1550 ?
2500 →

64

APPENDIX. IV.

Estimates for proposed alterations in the staff
of drawing office up to April 1907.

	Rs.	a p.	
1 English Draughtsman - (at present being appointed)	200		P.M.
3 Additional English Surveyors draughtsmen are required on a 3 years agreement, at 150/- each p.m. and £30 p.a. extra as house allowance	450		
2 Indian draughtsmen (from the present staff)	115		
Total	765		

Summary.

Amount allowed by estimate 1905-6	Rs: 765	
per month	510	
	200	deficit
Add contingencies	50	
	305	

Rs: 305 per month

= £: 204 per year

add house allowance 90 per year

total grant required £: 344 per year

Add 1 English Draughtsman
(to keep existing topo surveys compiled and up to date)

Rs: 200 P.M.

Total increase required £: 504 - 0 - 0

68

APPENDIX. V.

Technical points survey.

Secondary Triangulation.

The methods laid down by Major Hills in the report on the survey of Canada would be followed.

Higher accuracy than he allows may be expected.

From the work of the Boundary Commission it appears that a probable error of ~~1~~ 200,000 can easily be attained in the measurement of bases by the rapid method of 400 feet tapes.

Similarly in practice 6 inch theodolites gave a mean triangular error of $5''$ only, which is the limit he considers advisable. By using permanent iron Beacons instead of temporary wooden ones and more careful centering than I did, I believe 6 inch micrometer theodolites will readily give $2.5''$ as mean triangular error.

$8''$ Theodolites would in my opinion give mean triangular errors as low as $1''$ which is very nearly primary work and more accurate ^{and expensive} than required.

With 6" theodolites Latitudes with probable errors of $0.5''$ can be obtained readily, since the probable error due to local attraction is $1.5''$ this appears to be good enough. Azimuths with probable errors of $1.5''$ and less can be obtained with the same instrument.

I consider 6" theodolites large enough.

The diaphragms of microscopes should be glass not spider web. Such are ~~more~~ more easily cleaned. The legs should be fitted with parallel top plates for readily centering the instrument.

69

Commr S. A. P.

33235

342



Pressing

26th October 1905

DRAFT

To the Secretary to the

Treasury

MINUTE.

Mr. Bottomley 18/10

Mr. Read 19

X Mr. Antrobus 21

Mr. Cox.

Mr. Lucas.

Mr. Graham.

X Sir M. Ommeney. 21/10

The Duke of Marlborough

X Mr. Lyttelton.

Verbal instruction.

There spoken to Andy Hutton
would like to see this paper
in Treasury 16/10

55/10

Govt. of Comr. S. Afr. 24/10
29/10 P.

Verbal for his departure
(any "Chris" would do)

Copy of this & 3rd one to
the 29/10 from: L. F. [initials]

I am directed by Mr.
Secy. of State to transmit
to you, to be laid before
the Lords Commr. of the
Treasury, with ref. to your
order no. 9200 of the
19th of May last, of the

accompanying copy of a
dispatch from the late
Commissioner of the East

Africa Protectorate
relating a report by
Lieut. Col. Smith, R.R.,
on the state of the
Army Department &
the Protectorate.

Commr S. A. P.

33235

842



Pressing

26th October 1905

DRAFT.

To the Secretary to the

Treasury

MINUTE.

Mr. Bottomley 18/10

Mr. Read 19

X Mr. Antrobus. 21

Mr. Cox.

Mr. Lucas.

Mr. Graham.

X Sir M. Ommanney. 21/10

The Duke of Marlborough

X Mr. Lyttelton.

Verbal instruction.

I have spoken to Mr. Lyttelton &
would like to see this paper
in Treasury 16/10
(copy to Mr. 459)

Govt + Commr - Separate re by
29/10/05

Minister for War department
(copy to Mr. 459)

Copy of this & 3rd gen: to
the 29/10 from: L. F. T.

I am directed by Mr.
Secy. of State to communicate

to you, to be laid before
the Lord Comr^rs of the
Treasury, with ref. to your
order no. 9000 of the
19th of May last, (the

accompanying copy of a
dispatch from the late
Commissioner of the East

Africa Protectorate
enclosing a report by
Lieut. Col. Smith, R.A.,
on the state of the
Army department of
the Protectorate.

No. 2 Their Lordships will
observe that Col.
Smith's proposals for
the future organization
of the Land and
Survey Department to
involve the expenditure
during a period of
three years of a sum
~~£112,000.~~
~~of £12,000 a year~~
~~leaving~~ left above,
~~short~~ from the expenditure
~~on the separate land~~
Office: W. G. Mellon
considered that he would
not be justified in
asking for their
approval for so
extensive a scheme, and
in accordance with
the wishes of the
Colonial Survey
Committee which has
been constituted for

the purpose of advising
the Secretary of State
in regard to matters
connected with the
survey of British Crown
Colonies, Protectorates,
~~and Dependencies~~,
of those in tropical
Africa. The objects
for which the Committee
has been formed are
explained in the
accompanying copy of
a despatch which he
addressed to the
Officers administering
the Government of the
Colonies and Protectorates
concerned on the 24th of
August last
to the Committee
Constituted for the more
efficient surveying of
those colonies

would be to create
separate Land and
Survey Departments
of which the latter
would be composed of
three Sections, trigonometrical,
topographical, and
Cadastral, with a
full complement of
officers (one Captain
and one Subaltern.) for
each of the two first
named Sections. ⁴ The estimated cost of the
~~Aboriginal Survey~~
newly constituted
sections was considerably less
than that of the scheme
submitted by Col. Smith. &
was adopted at Glasgow
and
With a view to
effecting a further
economy, it was suggested
that the trigonometrical
and topographical
sections should be
united as far as

DRAFT

MINUTE.

Mr.

Mr.

Mr. Antrobus.

Mr. Cox.

Mr. Lucas.

Mr. Graham.

Sir M. Ommanney.

The Duke of Marlborough

Mr. Lyttelton.

possible, although
it would be unadvisable
to do so, as the
cabinet office would
have to be reorganized
so as to accommodate
the new department
and the staff of the
new department would
have to be increased
somewhat. It would
be necessary to have
a secondary office.
These proposals are
embodied in the
estimates which are
adopted, ~~which were~~
prepared by Major
L. F. Clore, R.E., C.M.G.,
the Head of the
Topographical Survey
of the Ordnance Survey
is also a member of
the Committee, and
they are intended to
represent the lowest
possible expenditure

Government of the
Protectorate in view

5. Mr. M. H. Melton regards
the adoption of an
efficient system of
survey as a matter of
the utmost importance
for the development
of the Protectorate. He
has recently received
the report of the
Land Commission which
was appointed locally
by the late Sir Donald
Stewart for the purpose
of enquiring into the
whole question of land
in the Protectorate.
In the course of their
report the Commissioners
state, as follows:-

"The absence of survey
is a serious impediment

(An Act to regulate)

(of a Surveyor)

Land in some districts is
and when brought up
to meet the former other
districts partially settled
have been closed for
further settlement, others
districts again have ^{not} ~~been~~
not been opened for
settlement at all, and
in no case is the Govt.
able to proceed either
with the work of
getting rid of areas
of applications which
have accumulated
during the last two
years or of turning
its attention to the
throwing open of
uncultivated districts
for settlement. And
consequently the general
development of the
Country has received
a severe check.

The necessity of
surveying and at once
dealing with the
question of survey cannot
be over-estimated. The
present system of
survey, if indeed it
can be called a system
under which the Land
Office require the

making of plans of holdings, as all the surveyors themselves testified in their evidence, is both expensive and of comparatively little value. Isolated plans of holdings in different parts of the country are made which are not tied on to anything, and when a general and accurate survey comes to be made nearly the whole of the work will have to be done over again.

The Colonial Survey Committee share the view of the Committee as to the agency of the quarter, and they consider that there is a danger of the whole system of land surveying breaking down if the quarter is not taken a hand off.

DRAFT.

MINUTE.

Mr.

Mr.

Mr. Antrobus.

Mr. Cox.

Mr. Lucas.

Mr. Graham.

Sir M. Ommannay.

The Duke of Marlborough

Mr. Lyttelton.

(May be almost dispensed with)

Side note

Proportion of increased
annual expenditure
for four months £2000
£2805

Total expenses—
including postage £2675

Total £5490

6. In these circumstances, Mr. Lyttelton would be glad if steps could at once be taken to introduce the scheme embodied in the ~~the~~ ^{the} ~~Land Survey Committee's~~ ^{Land Survey Committee's} ~~yearly~~ ^{annual} ~~the~~ ^{an} estimate, ~~and~~ ^{and} of the ~~land~~ ^{land} available to approve of the scheme, he proposes to enquire by telegraph of the Acting Commissioner whether the sum required to cover the increased expenditure which will be incurred for the remainder of the present financial year, including a certain portion of the initial expenses which cannot be postponed to (about £5,500 in all).

can be set from
savings under other
heads authorized
leads of expenditure for
the current financial year.
I am to request
that you will draw
the Lordships' attention
to the fact referred
to by Col. Smith in
the letter of the 20th
July in which he
forwarded his report
to the Commissioner that
~~the amount~~ part
of the cost of
the expenditure will
be saved on the
form of survey fees as
the land is occupied at
present, owing to the
want of sufficient
numbers of Government
Surveyors.

7. Your Lordship will
observe that the Estimates
provide for the continuation
of the payments which,
owing to the want of a
sufficient number of Govt.
Surveyors, it has been necessary
to make to private Surveyors
licensed by the Admiralty.
It is hoped, however, that a
considerable portion of
this sum so paid ~~will be~~ ^{will} be
~~used~~ ^{available} ~~in the~~
~~for the~~ ^(in the)
~~and~~ ^{the} ~~Reconstituted~~
Department. I am also
to point out that an
increase in the revenue
from survey fees may
be expected owing to
the fact that the Deptt
will be able to deal
with a much larger
number of applications
from settlers.

~~of the survey fees~~
~~estimated to proceed~~ 317
surveys licensed by
the Administration, with
the result that the
fees are lost to the
Government while the
accuracy of the surveys
~~is open to question~~
8. I am to add that,
if the scheme is approved,
it will be necessary for
to provide, in the
Estimates for 1906/7,
for the addition to the
gross authorized
expenditure of the
protection of the
area of ~~the~~ ^{the} ~~Admiralty~~
settlers) which requires
the annual survey
involved and the
expenses of the
protection of the
area involved.