Revenue Department

Minutes of Consultations.

15th Dec 1857.

Back Nos 26 & 27.

Order No 1288 & 11th Dec 1857.

(13)

செப்பனிடுபவர் பெயர்

செப்பனிடுவதற்காக எடுத்துக் கொள்ளப்பட்ட நாள்

செப்பனிட்டு முடிக்க நாள்

சரிபார்க்கும் மு. நி. பர. எ. கையொப்பம்

ஆராய்ச்சி உதவியாளர் கையொப்பம்

1288

Fort Saint George, Revenue Consultation of 15th December 1857.

No. 26. Read the following letter from J. D. SIM, Esq., Acting Secretary to the Board of Revenue; to H. FORBES, Esq., Acting Secretary to Government Revenue Department; dated Fort St. George, 27th November 1857, No 4222.

SIR,

With reference to Extract Minutes Consultation under date 23d November 1857, No. 1204, R. D., I am directed by the Board of Revenue to state that they have requested the Director of Assessment and Superintendent of Survey to revise their respective estimates of establishment, in such manner that neither shall exceed 38,00,000 Rupees.

2. The Board beg to observe that they are not aware on what data the estimate set forth in the Extract Minutes Consultation of 14th August 1855* was computed, and it appeared to them to be of so general a character, that they presumed the Government intended the proposed establishments to be prepared with reference to more detailed data: especially as regards the survey, which the Government in Extract Minutes Consultation 14th August 1857, No. 815, R. D., directed should decidedly be a perfect one and connected with the grand triangulation. It will be recollected that the survey commented on in the Board's letter of 27th February 1854, on which the survey estimate of the Extract Minutes Consultation of 14th August 1855 is apparently founded, was quite a tentative one, and conducted on such economical principles that country paper was used where it ought to have been of the best kind, and even the colours no better than the cheap toy paints in England; neither was it contemplated to work to the accuracy, and with all the topographical delineation that is now required.

**Paras. 38 to 42.*	*Rupees.*
Survey.....	38,40,000
Assessment.....	38,00,000
	76,40,000

3. As to the establishment for assessment, Mr. Nowill's is confessedly an experimental one, for the mode of assessment by villages in the N. W. Provinces afford no data whatever, and the Board were not even aware that the preparation of such an estimate as that in Extract Minutes Consultation of 14th August 1855 was in contemplation. They cannot but consider the one now forwarded by Mr. Newill exceedingly moderate, and certainly not sufficient when the operations are more extended, and the demarcation carried out in a detail which was not originally contemplated.

4. As regards boundary marks and pillars, it was proposed by the Board in their Proceedings of 15th May 1857 to recover this by a deduction from what would have been a reduction of the assessment. They have no means of ascertaining the cost of instruments, which will it is hoped be nearly all supplied from the Government Stores in Calcutta.

5. The Board would be glad if Government would state if 38,40,000 Rupees for survey and 38,00,000 Rs. for assessment is actually the maximum to which the estimates are to be revised.

No. 27. ORDER THEREON, No. 1288; dated 11th December 1857.

1. The paper recorded above, is the reply of the Board of Revenue to the order of Government dated 23d November 1857, No. 1204, Revenue Department, pointing out to them that if the Establishments for the Survey and Settlement were to be entertained on the scale recommended by them in their letter of 9th November 1857, No. 3853, the Estimate of Rs. 76,00,000 would be vastly exceeded.

E. M. C. 14th Augt. 1857, No. 951, P. 38.

2. The Board state that they have requested the Director of Settlements and the Superintendent of the Survey, to revise their respective Estimates of Establishments, in such a manner that neither shall exceed 38,00,000 Rupees. They go on to observe that they are unaware on what data the Estimate of 76 lacs of Rupees was computed; and they point out that, as Government had expressed an opinion that the survey should be a perfect one, and connected with the grand Triangulation, the tentative survey of Captain Priestley's (which was conducted on such economical principles that inferior paper and paints were used for the Maps), it appeared necessary that the

Para. 1.

proposed Establishments should be framed with reference to more detailed data, than those afforded by Captain Priestley's estimates and proceedings.

3. The Government observe that a reference to the Extract Minutes Consultation above quoted, would have shewn the Board of Revenue that the estimates were in the main framed on Captain Priestley's own data, and these, with the cost of the Bengal, N. W. Provinces, and Bombay Surveys, must be taken as a guide in the first instance. The Government are fully aware that much more minute detail will be necessary in this Presidency than elsewhere; and it is again probable that the wages of labour being higher in the Madras Presidency than in Bengal, (and probably than in Bombay also) there would be further cause for additional cost here; they would not therefore wish to bind the Board down too closely; but inasmuch as the estimates have been framed on the experience of Captain Priestley's operations, which, were in their turn calculated on that of the Surveys in Upper India, and as sanction for the Survey has been asked and obtained on the understanding that the true cost is represented by those estimates, they think that the present establishments should not be in excess of what has been already practically demonstrated to be necessary.

	Rupees.
A.	37,524
B.	31,287
C.	32,610
D.	48,978

4. As an example of the scale on which the estimates under notice have been framed, the sanctioned cost of each Surveyor's establishment in Bengal,[A] the N. W. Provinces,[B] and in South Arcot[C] under Captain Priestley is marginally compared with that[D] of each of those now proposed by Mr. Newill and the Board.

5. And it is further necessary to point out that a margin must be left for contingencies; for Travelling Batta, for the expense of finding the Grand Trigonometrical Survey Stations; and for the demarcation of boundaries and erecting the boundary pillars. This last item however is of such importance that the Governor in Council deems it necessary to go into some detail about it.

6. For the demarcation of boundaries 4 persons at Rupees 30, and 8 Peons at Rupees 5 are the only officials supposed by Mr. Newill to be necessary; as these only work for 6 months a year, the total yearly expenditure proposed for the demarcation establishment is thus 960 Rs.

7. The determining and marking of boundaries, is the primary and fundamental process in a Revenue survey. All other operations are entirely dependent upon it. It is absolutely necessary that the surveying party should always find their work ready for them, that they may be able immediately to recognize what they are to survey. This necessity is so thoroughly recognized in Bengal and the N. W. Provinces, that there a Surveyor is peremptorily forbidden to undertake any boundary which has not been previously "demarcated" by the establishment appointed for the purpose.

8. Captains Smith and Thuillier express themselves in different parts of their "Manual," as follows on this subject;—

Page 516. "As a preliminary and most important part of survey operations, the accurate demarcation of boundaries and settlement of disputes is carried on by a distinct establishment specially appointed for the purpose..... which proceeds the survey in such a way that the Surveyor may always find *adjusted boundaries and plenty of them*, to keep his parties at work."....

Page 516. "The demarcation office must keep so well in advance, that no hindrance whatever may occur to the Surveyor."

Page 517. "They" (the survey establishment) "are thus entirely dependent on the Settlement officer (subordinate to whom the demarcation establishment is) for a fair field to labour in."....

Page 519. ..... "The utmost necessity exists that all cases of disputed boundaries be properly adjusted prior to the survey; unless it is so, the survey is delayed, and its records are thrown into confusion."

Page 290. "It is the duty of the Sub-Assistant Surveyor to compare the external boundary of the village maps with the Thakbust or demarcation map,"..... ..... "the boundary Surveyor reports any difference he may have observed between the

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"Thâks (or mud or other pillars shewing the boundaries) as actually existing, and those given in the "demarcation map."

"By the delay caused to the survey party by non-adjusted boundaries, the cost of the survey "is considerably increased." This effect it may be observed, has already been practically experienced by Captain Priestley in his preliminary operations in South Arcot and the dry talooks of Trichinopoly.

9. Now, supposing that sanction were immediately granted for the Establishments asked for, for Captain Priestley and the two parties which the Board (para. 11. of letter of November 9) say will soon be ready for the field, the consequence will be that they would find not a single day's work ready for them; not a single boundary demarcated, not a solitary dispute settled. And with the very small Establishment of 12 individuals asked for, it seems quite impossible that even supposing all the boundaries to be undisputed, which is hardly probable, they will be able to push on so fast as to keep two entire survey parties supplied with "adjusted boun- "daries and plenty of them." Operations are about to be conducted on as large a scale here as in Upper India, and there is no reason to suppose that an Establishment equal to that employed in those parts for the demarcation of boundaries, will not be required in this Presidency.

10. The demarcation establishment entertained in the N. W. cost Rupees 16,248 per annum, and is described in page 516 of Captains Smith and Thuillier's Manual.

11. In framing the establishments therefore, the Government are of opinion, that, unless Mr. Newill can distinctly shew that other and cheaper agency will be sufficient, allowance should be made for a demarcation establishment of equal strength to that above specified. It will be of course presided over by one of Mr. Newill's deputies.

12. In directing the resubmission of the estimates, revised in accordance with the instructions above given, the Government have only to repeat their former observation, that they have no wish to stint the Board or to bind them down rigidly to a given sum; if on reconsidering the subject, the Board are still of opinion that the data on which the original estimates were framed, are insufficient for the wants of this Presidency, the circumstance will be brought to the notice of the Government of India, with an intimation that a larger grant will be subsequently applied for; but for the present, this Government must be guided in making their applications for sanction, by the experience of former surveys of other parts of India.

(Signed) H. FORBES,
Acting Secretary to Government.

B/
1888

Revenue Board Office,
Fort St. George,
27th November 1854.

No. 4222.

From
I. D. Sim Esqre
Ag. Secretary to the Board of Revenue.

To,
H. Forbes Esqre
Ag. Secretary to Government
Revenue Department.

Sir,

With reference to Extract Minutes of Consultation under date 25th November 1854 No. 1904 R. D. I am directed by the Board of Revenue to state that they have requested the Director of Assessment and Superintendent of Survey to revise their respective Estimates of Establishment, in such manner that neither shall exceed 3,80,000 Rupees.

2. The Board beg to observe that they are not aware in what data the Estimate set forth in the Extract Minutes of Consultation of the 7th August 1855 was computed, and it appeared to them to be of so general a character, that they presumed the Government intended the proposed Establishments to

* paras 38. 42.
Survey 3,84,00,000
assessed 3,80,000
7,64,000

to be prepared with reference to more de-
tailed data: especially as regards the survey
which the Government in Extract Minutes
Consultation 11th August 1857 No 815 R. D.
directed should decidedly be a perfect one,
and connected with the grand triangulation.
It will be recollected that the survey com-
menced on in the Board's letter of
27th February 1854, on which the survey Estim
of the Extract Minutes Consultation of 14th
August 1855 is apparently founded, was
quite a tentative one, and conducted on
such economical principles that Country
paper was used where it ought to have
been of the best kind, and even the colours
no better than the cheap toy paints in
England; neither was it contemplated to
work to the accuracy, and with all the
topographical delineation that is now requi-
3 As to the Establishment for
assessment, Mr Neill's is confessedly an
experimental one, for the mode of assessmen
by Villages in the N.W. Provinces afford no
data whatever, and the Board were not
even aware that the preparation of such
an Estimate as that in Extract Minutes
Consultat

Consultation of 14th August 1855 was in con-
templation. They cannot but consider the one
now forwarded by Mr Neill exceedingly
moderate, and certainly not sufficient when
the operations are more extended, and the
demarcation carried out in a detail which
was not originally contemplated.

As regards Boundary marks
and Pillars, it was proposed by the Board
in their Proceedings of 15th May 1854
to recover this by a deduction from what
would have been a reduction of the assess-
ment. They have no means of ascertaining
the cost of Instruments, which will it is
hoped be nearly all supplied from the Govern-
ment Stores in Calcutta.

5. The Board would be glad
if Government would state if 38,40,000 R.
for Survey and 38,00,000 Rs for assessment
is actually the maximum to which the
Estimates are to be revised.

I have the honor to be,
Sir,
Your most obed servant,

Rev Board's Office,
Fort St George,
27th November 1857

Ag Secretary

To H. Forbes Esqre
Ag Secretary to Government
Revenue Department.

R. D.

No 1288. 1288

Extract from the Minutes of Consultation
Under date the 11th December 1857.

Read letter from the Board of
Revenue dated 27 November
1857 No 4222.

1. The Paper recorded above, is the reply of the Board of Rev. to the order of Govt dated 23 November 1857 No 3204 R.D. pointing out to them that if the establishments for the Survey and Settlement were to be entertained on the scale recommended by them in their letter of No 9. 1857 No 3853, the Estimate of ₹ 76.00.000 would be vastly exceeded

2. The Board state that they have reported the

E.M.C. 14 Aug 1858
No 951. P. 38.

Copy in Letters to Govt
of Bengal March 1858 No 5.

Read letter from Govt
of Bengal dated 15th December
1857 No 11482.

Ordered that Secretary do
Board of Revenue
to Govt of Bengal
Revenue Department

Dated 28th
Read 28th

Director of Settlements and the
Superintendent of the Survey,
before their respective
Estimates of Establishments,
in such manner that
neither shall exceed 38.00.000
Rupees. They go on to observe
that they are unaware on what
data the Estimate of 76 Lacs
of Rs. was computed; &
they point out that, as for
had expressed an opinion that
the Survey should be opened
one, and connected with the
great Triangulation, the tenta-
tive Survey of Capt. Priestley
which was conducted on such
economical principles, that
inferior paper and paints
were used for the Maps, it
appeared necessary that the
proposed Establishment should
be on the reference

p 1.

& more detailed data, than
those afforded by Captain
Priestleys Estimates and pro-
ceedings.

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3. The Government observe
that a reference to the Estimate
above quoted, would have
shewn the Board of Revenue
that the Estimates were in
the main framed on Captain
Priestleys own data, and
these, with the cost of the
Bengal, N.W. Provinces, &
Bombay Surveys, must be
undoubtedly taken as a
guide in the first instance.
The Govt are fully aware that
much more minute detail
will be necessary in this
Presidency than elsewhere,
and it is again probable
that the wages of labour
being higher in the Madras

Presidency than in Bengal, (and probably than in Bombay also) there would be further cause for additional cost here; they would not therefore wish to bind the Board down too closely; but inasmuch as the Estimates have been framed on the experience of Capt. Priestley operations which were in their turn calculated on that of the Surveys in Upper India, and as sanction to the Survey has been asked and obtained on the understanding that the true cost is represented by those Estimates, they think that the present Establishments should not be in excess of what has been already practically demonstrated to be necessary.

4. As an example of

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the scale on which the Establishments under notice have been framed, the sanctioned cost of each surveyor Establishment in Bengal, the Bombay Presidency, and in South Arcot under Captain Priestley is respectively compared with that of each of those now proposed by the Board.

	Rs
A —	37524.
B —	31287.
C —	32610.
D —	48978.

5. And it is pointed out that a margin must be left for extra Pencils for Travelling Batta, for the expenses of finding the S.-I. Station, and for the demarcation of Boundaries and erecting the Boundary pillars. This last item however is of such importance that the G. in C. deems it necessary to point some

detail about it

6. In the demarcation of boundaries 4 Persons at Rs 30, and 8 Peons at Rs 5 are the only Official supposed by Mr Sewell & the Secretary; & these only work for 6 months a year, the total yearly Expenditure proposed for the demarcation Establishment is thus 960 Rs.

7. The determining and marking of boundaries, is the primary and fundamental precept in a Revenue Survey. All other operations are entirely dependent upon it. It is absolutely necessary that the Surveying party should always find their work ready for them, that they may be able immediately to recognize what they are to Survey. This necessity is so thoroughly recognized in Bengal and the N.W.P., that there,

8/1888

a Surveyor is peremptorily forbidden to undertake any boundary which has not been previously "demarcated" by the Establishment appointed for the purpose.

Captain Smith & Gunther Report

2. Supt. Smith & Gunther Report

Page 5, 6 & 7 of the preliminary and "most important part of Survey "operations the accurate demarcation of boundaries and "settlement of disputes is carried "on by a distinct establishment "specially appointed for the purpose ... which "does ... "proceeds the Survey in such "a way that the Surveyor may "always find adjusted boundaries "and plenty of them to keep "his parties at work ... "

6. "the demarcation office "must keep so well in advance "that no hindrance whatever "may occur to the Surveyor."

"They / the Survey Establish- p. 517
ment / " are thus entirely de-
"pendent on the Settlement
"Office / to adjudicate Questions
"the demarcation Establishment
"is / to a pair field & Labour in "
" .... the utmost necessity p 519
"exists that all cases of
"disputed boundaries be
"properly adjusted prior to
"the Survey ; unless it is so,
"the Survey is delayed, & its
"records are thrown into confusion. "
[and, the writer might have added,
its cost is largely increased.]
" It is the duty of the Lab Apt & Surv p 290
"keys to compare the External
"boundary of the Village Maps
"with the Thakbust or de-
"marcation Maps "
" .... " the Boundary Surveyor
"reports any difference he may have
"observed between the Taks / or

19/1888

"and other pillars thereby the
" Boundaries / as actually ex-
"isting, and those given in
"the demarcation Map ..... at
"the delay caused by the
"Survey party upon adjusted
"Boundaries the cost of the Survey
" is considerably increased "

This effect may be observed, has already been practically re-
ferenced by Captain Priestley
in his preliminary operations
in South West and the
Dry Falls of Richmond Bay.

9. Upon supposing that
Sanction were immediately granted
by the Establishment asked
for for Capt. Priestley and
the two parties which the
Board / p " 9 / letter of Nov 9 /
say will soon be ready for
the field, the consequence
would be that they would find

not a single days work ready for them; not a single boundary demarcated, not a dispute settled. And with the very small Establishment of 12 individuals asked for, it seems quite impossible that even supposing all the Boundaries & the worst disputed, which is hardly probable, they will be able to push on so fast as to keep two Entire Survey parties supplied with "adjusted bound-aries and plenty of them" Operations are about to be conducted on as large a scale here as in Upper India, and there is no reason to suppose that an Establish-ment Equal to that employed in those parts for the demar-cation of Boundaries, will not be required in this Presidency.

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10. The demarcation Establish-ment entertained in the N.W. cost Rs 16248 per annum, and is described in Page 516 of Captain Smith & Thuillier's Manual.

11. In framing the Establishment for the present, the Govt. are of opinion that, unless Govt. decide distinctly shew that other & cheaper agency will be sufficient, an allowance should be made for a demarcation Establish-ment Equal strength to that above specified. From one of Govt. presided over by one of Whose deputies

12. In directing the preparation of the Estimates, carried in accordance with the instructions above given, the Government have only to repeat their former decision, that they have no intention that the Board or

ind them down rigidly to a
fixed sum; If on reconsidering
the subject, the Board are still
of opinion that the data on
which the original Estimates
were framed, are insufficient
for the wants of this Presidency
the circumstance will be brought
to the notice of the Government of
India, with an intimation that
a larger grant will be subsequently
applied for. But for the present,
this fact must be guided in
making their applications for
sanction, by the experience of
former Surveys of other parts of
India

I.M.A. Dec.

4 Copies to the Bd of Rev
Desp: 12

Nov. 1857 No 5486.

Copy or Letter to England
Gen. Mem. 1858. No 5.

27-7-94
710/12

12/
1288

Revenue 1857 Department
Dt. to Cons: 16th December

No. 1288.

Extract Mins: of Cons:
Dated 11th Dec. 57.

Nos 26. 27.

Relative to the instructions
given to the Director of Cultiva-
tion & Superintendent of
Survey, to revise their res-
pective Estimates of Esta-
blishments.

4 Dec. 58