Read the following letters :—

No. 414. From Colonel E. A. FOORD, R.E., Inspecting Engineer for Civil and Military Buildings, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Chepauk, 2nd October 1873, No. 1,242.

I HAVE the honour to forward, for the sanction of Government, a supplemental estimate of Rupees 1,300 for constructing a masonry compound wall to the burial-ground at Mangalore.

1 Survey.
1 Estimate.
1 Comparative Statement.

2. The original estimate of Rupees 3,490 was sanctioned in the Order of Government of the 12th of April 1872, No. 60, Ecclesiastical Department, communicated with G. O., No. 271, of the 29th idem. The District Engineer of South Canara states that this estimate was made from a very inaccurate survey of the ground, taken by a Range Maistry of the name of Simons. This man was originally engaged as a Surveyor, but being afterwards found by the Range Officer unequal to his work, was allowed to retire. The Range Officer, Mr. Pringle, explains that he was not able to check the survey owing to absence from head-quarters during the month, and being in charge of two ranges, pressure of work prevented him giving the estimate the attention it should have had.

3. From a longitudinal section lately forwarded to me, showing the portions of wall that have been built and remain to be built, it appears that owing to the great difference of level in the run of the wall, it has been found necessary to build it in steps. This was not foreseen by the Range Officer. There was also an error of 224 feet in the length of the wall in the original survey, and no allowance was made in the estimate for excavating foundation and removing the old mud wall.

No. 414A. From A. C. LAWFORD, Esq., Officiating District Engineer, South Canara, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Mangalore, 5th November 1873, No. 79.

WITH reference to your memorandum, No. 273, of 10th October 1873, I have the honour to forward herewith the original estimate and a copy of the survey for enclosing the burial-ground at Mangalore with a masonry wall; the original survey which was forwarded to the Mangalore Range Officer with G. O., No. 271, of 29th April 1872, not being now forthcoming in his office.

1 Original estimate.
1 Survey.

No. 415. ORDER THEREON, 29th January 1874, No. 208.

CIVIL WORKS, No. 28.

THE Mangalore Range Officer would appear to have erred egregiously in basing his estimate for rebuilding the walls of the cemetery at Mangalore on anything but simple measurements of their

Proceedings of the Madras Government, Public Works Department, 29th January 1874.

lengths, which the lowest subordinate in the department was competent to take, instead of on a survey the accuracy of which depended on the training and experience of the person employed, and which was quite unnecessary save to illustrate the position and shape of the enclosure. The error was excessive; and however its original detection may be palliated by the Range Officer, no attempt appears to have been made to account for its not having been discovered or at least reported in good time to allow of reconsideration of the subject before the work had been carried on too far to permit of its being stopped. The Range Officer, and with him the District Engineer, have to explain why the revised estimate of Rupees 1,300 only bears date the 29th May 1873, the original estimate having been sanctioned in April 1872, and funds provided in G. O., No. 1,429, of 8th June 1872; Rupees 3,525, or more than the original sanction, spent in 1872-73, and Rupees 645 spent without sanction up to November 1873.

(True Extract.)

(Signed) G. W. WALKER, Colonel, R.E.,
Secretary to Government.

No. 1242

OFFICE OF THE INSPECTING ENGINEER
FOR CIVIL AND MILITARY BUILDINGS,
Chepauk, 2 October 1873.

From

THE INSPECTING ENGINEER
FOR CIVIL AND MILITARY BUILDINGS,

To

The Secretary to Government
Public Works Department

SIR,

Enclosures 3.
1 Survey
1 Estimate
1 Comparative statement.

I have the honor to forward for the sanction of Government a supplemental estimate of Rs. 1300 for constructing a masonry compound wall to the burial ground at Mangalore.

2. The original estimate of Rs. 3490 was sanctioned in the order of Government of the 12th of April 1872, No. 60, Ecclesiastical Department, communicated with Gr. O. No. 271, of the 29th Idem.

The District Engineer of South Canara states that this estimate was made from a very inaccurate survey of the ground taken by a Range Maistry of the name of Simons. This man was originally engaged as a Surveyor but being afterward

found

found by the Range Officer unequal to his work was allowed to retire. The Range Officer Mr. Pringle explains that he was not able to check the survey owing to absence from head quarters during the month, and being in charge of two Ranges, pressure of work prevented him giving the estimate the attention it should have had.

3. From a longitudinal section lately forwarded to me, showing the portions of wall that have been built and remain to be built, it appears that owing to the great difference of level in the run of the wall, it has been found necessary to build it in steps. This was not foreseen by the Range Officer. There was also an error of 224 feet in the length of the wall in the original survey, and no allowance was made in the estimate for excavating foundation and removing the old mud wall.

I have the honor to be
Sir
Your Most Obedient Servant
E A Ford Colonel R.E.
Inspecting Engineer for
Civil & Military Buildings

Civil

New Work

South Canara District

Abstract Estimate of 1873-74

Work ——— Constructing a masonry compound wall around the Burial Ground at Mangalore

Quantity	Description of work	Rate	Per	Amount	Total
1292½	Cyds. of Earth work	3	Cyds.	242 5 6	
1851032/32	Cft. of Laterite in chunam	18	100 Cft.	3331 4 6	
4264	Do. Do.	21	Do.	895 7 "	
					4469 11 "
	Sundries & Superintendence			330 5 "	
	Total Rupees				4800
	Deduct amount already sanctioned in G. O. No. 271 of 29th April 1872				3490
	Amount requiring sanction				1310

Mangalore
29th May 1873.

"Signed" A. C. Lowford
Offg. District Engineer
South Canara

Examined

Lieutenant Colonel R.E.
Inspecting Engineer for
Civil & Milg. Buildings

C.R. 1873 Abstract
Mangalore Compound Wall
No. 1242
No. 3464

From

The Inspecting Engineer
for Buildings,

To

The Secretary to Govt.
Public Dept.

Mangalore: 3
1873

Dated 29
Recd. 31 October 1873.

Herewith I forward a duplicate abstract & supplemental estimate for Rs. 1310 for constructing a masonry compound wall to the Burial ground at Mangalore in South Canara. No. 208-29 "Recd 1/11/73

Signed

to the great difference of level in the run of the wall, it has been found necessary to build it in steps. — This was not foreseen by the Range Officer. There was also an error of 224 feet in the length of the wall in the original survey, and no allowance was made in the estimate for excavating foundation and removing the

Comparative Statement of work to be executed for the masonry Compound wall around the Burial Ground at Mangalore.

Particulars.	Original Estimate			Revised Estimate			Increase		Decrease		Statement beginning Sanction
	Rate	Qy.	Cost	Rate	Qy.	Cost	Qy	Cost	Qy	Cost	
Earthwork ——— Cyd	-	-	-	-	3 -	1292½ 242	5 6	1292½ 242	5 6	-	-
Laterite in Chunam ——— 100	18 -	145 15/16	2621 11 2	18 -	-	1851 19/32 3331	14 6	3945 13/32 710	3 4	-	-
Ditto ditto Openwork ——— 100	22 -	252 7/8	536 1 3	21 -	-	4264 895	7 -	1736 1/8 339	5 9	-	-
Sundries and Superintendence ———			312 3 7	-	-	330 5	-	18 1	5 -	-	-
Total Rs ———			3492 0 0			4800 0 0		1310 - -			1310 - -

Mangalore
29th May 1873

Examd

Offg: District Engineer
South Canara.

Lt Colonel R.E.
Inspecting Engineer for
Civil & Military Buildings

Examd

-South Canara District-

Enclosure in a letter No 1202 dated 2nd October 1873

G.C. 220 : 208 - 29th Jany/74.

P.W. 5404/73

2

Comparative Statement of work to be executed for the masonry compound wall around the Burial ground at Mangalore

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Amount of Estimate Rs 1300.

No 79. District Engineer's Office,
South Canara -13-
Mangalore 5th Jan 1873

From, The Offg District Engineer
South Canara

To, The Secretary to Govt
P.W. Works, Ootacd

Sir, With reference to your Memo
No 273 of 10th Dec 1873, I have the
honor to forward herewith the
original Estimate & a Copy of
the Survey for enclosing the Burial
ground at Mangalore with a
Masonry Wall; the original
Survey which was forwarded to the
Mangalore Range Office with Ld.
No 271 of 29th April 1872, not being
forthcoming in his Office —
I have the honor to be,
Sir,
Your most obt Servt

A Dawson
Offg Dist Engr

Enclosures.
1 Original Estimate
1 Survey

D.P.W.
I do certify that the Rates entered in the Estimate are those sanctioned by Government in Secretariat No 218 of 25th January 1872.
Ootacamund 28th Dec 1872
Offg Dist Engr

Executive Engr's Office
Cuddapah Circle.
Received 6th Jan 1873
Rs. 1073-4-11
Rs. P. Public Works
Treasury Cuddapah
Issued the invoice
at Bangalore
Ex. 1873-0-0

No 208 P.W. Departt

Proceedings of Mr Wade as Govt

Read the following:-

From the Inspecting Engr for Buildings & Engrs, South Canara } (H. E. No 12429 2nd Feb/75 — " — No 7985 Nov/73)

the Mangalore Range Officer would appear to have erred egregiously in basing his estimate for rebuilding the walls of the Cemetery at Mangalore on anything but simple measurements of their lengths, which the lowest subordinate in the Department was competent to take; instead of on a survey the accuracy of which

The Collector of Canara
Govt - Civil Engrs
Bellary

By Regd Post
No 1078 dated
the 10th Feby 1875
To
The Secretary to Govt
P.W.D. Madras

Sir,

I am directed by the Chief Engineer for Buildings, Roads & Canals to forward herewith a Requisition for the Survey Instruments required by the Range Officer at Bangalore with a Requisition for the necessary Establishment.

I have &c.

Sd/- [illegible]
Secy

Chief Engr for Buildings

Dated 8th Feby 1875

No 208

depended on the training and experience of the person employed, and which was quite unnecessary save to illustrate the position and shape of the enclosure. The error was excessive; and however its original detection may be palliated by the Range Officer, no attempt appears to have been made to account for its not having been discovered or at least reported in good time to allow of reconsideration of the subject before the work had

been carried on too far to permit of its being stopped. The Range Officer, and with him the District Engineer, have to explain why the Revised Estimate of Rs: 1500 only bears date the 29th May 1873, the original estimate having been sanctioned in April 1872, and funds provided in G. O No 429 of 8th June /72, Rs: 3525, or more than the original sanction, spent in 1872/73, and Rs: 645 spent without sanction up to November 1873.

Govt

The Secy: for War
Dy Engr: South Command
Controller of Accts

Despatch 8-C 30/1/74.

Nos. 5404 & 6073 A

Govt. of Madras. 1874

PUBLIC WORKS.

To The Inspecting Engr for Buildings

Dated

Rcd. Encl. 5

G. O. 29 Jany 74 No. 208.

Nos. 1144 1445

Burial ground at Mangalore. Making orders on the Estimate for rebuilding the walls of the Burial ground.