M.R.O. 1—77,606—8-6-37.

(1) Number of pages 54

(2) Date of repair

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 2511 Press Mis.

28-29

Dated 3-10 — 1871.

Not to be folded or roughly handled

B 20649

No. 28. Read the following letter from the Superintending Engineer, 6th Division, to the Secretary to Government, Public Works Department, dated Tanjore, 26th August 1871, No. 473;—

1 Statement.
3 Letters.

Estimate, Rupees 96,600, sanctioned in G. O., No. 2,590, dated 6th August 1869.

I HAVE the honour to inform you that, in measuring up the earthwork executed in forming the road embankment of the Boodalore Railway feeder, the Executive Engineer discovered that far more earthwork had been paid for than had been executed.

2. The road-work appears to have been divided into four sections and given out to four different contractors; the first three sections were in Mr. Walton's charge, and the fourth under the Local Fund Overseer; with the first three we have only now to do. In Section I. Captain Montgomerie finds that 20,250 cubic yards of earthwork have been executed, and this, at the rate allowed in the estimate, namely, 1 anna per cubic yard, gives Rupees 1,265.

3. For this section Mr. Walton passed 24,951⅝ cubic yards of earth, and paid Rupees 1,299-9-0 at 10 pice per cubic yard pending the sectioning of the bank; a portion of this sectioning appears to have been undertaken by daily labour, and though Rupees 147-0-9 had been spent in this manner up to the end of August by Maistry Valayudum Pillay, on the 3rd September Mr. Walton passes a certificate for 1 anna* for the contractor, on which the contractor now claims payment, Valayudum Pillay still continuing to carry on work by daily labour and expending in all Rupees 283-0-3. In addition to this Valayudum Pillay expended Rupees 125-14-9 in earthwork carried on by daily labour, and, after Mr. Walton's measurements were taken, Overseer Chellumbrum granted a certificate for 3,589¼ cubic yards of earthwork at 10 pice, so that on this section work has been passed or certificates have been granted to the value of Rupees 2,155-5-7, this amount being Rupees 889-11-7 in excess of value of work turned out according to Captain Montgomerie's measurements, the actual payments made up to date amount to Rupees 1,708-8-0, and the contractor claims Rupees 259-14-7 on Mr. Walton's certificate of 3rd September and Rupees 186-15-0 on that of the Local Fund Overseer.

* Difference for 2 pice per cubic yard, Rupees 259-14-7.

Rs.	A.	P.
186	15	0
1,299	9	0
259	14	7
283	0	3
125	14	9
186	15	0
2,155	5	7
1,265	10	0
889	11	7

4. Of the above expenditure Mr. Walton appears to be responsible for Rupees 1,842-7-10, and supposing the expenditure incurred subsequently to have been correct, the value of work passed by him must have been only Rupees 952-12-3, and even if all the expenditure incurred subsequently to his going on leave represented no work (and there is no reason to suppose it does so), he would still have passed

work to the amount of Rupees 576-13-10 in excess of work executed as checked by Captain Montgomerie.

5. As regards Section II., Mr. Walton furnished a certificate for 25,651⅛ cubic yards at 1 anna = Rupees 1,603-3-0, and made payments amounting to Rupees 1,500. Captain Montgomerie subsequently made a further payment of Rupees 50 on Mr. Walton's certificate, and so Rupees 1,550 have been paid in all; while Captain Montgomerie's check measurements show that 17,005 cubic yards of earthwork have been executed, and this he values at Rupees 1,053-1-6, a portion* of the work having been in an incomplete state when he measured it; thus, for this section, Mr. Walton has passed work to the amount of Rupees 550-1-6 in excess of value of work executed, and from his own check measurements of this section he could only show 18,180 cubic yards of work; but there is no reason to doubt the accuracy of Captain Montgomerie's measusements of 17,005 cubic yards.

	Rs.	A.	P.
15,139, at 1 anna	946	3	0
* 1,866, at 11 pice	106	14	6
Total...	1,053	1	6

Rupees	1,603	3	0
,,	1,053	1	6
,,	550	1	6

Enclosures of No. 2, of 31st January.

6. In Section III. Captain Montgomerie's measurements show that 27,569⅝ cubic yards of earthwork have been executed, and these, at 1 anna, give an expenditure of Rupees 1,723-1-10. Mr. Walton's measurements are 30,315⅞, for which he paid, at 10 pice, Rupees 1,578-15-2; in addition to this 997 cubic yards of earthwork were executed by the Local Fund Overseer, and Rupees 136-6-8 were expended in daily labour on earthwork subsequently to Mr. Walton's proceeding on leave; thus the expenditure on this section has been Rupees 1,777-10-10 against Rupees 1,723-1-10, the value of work actually executed; but a further claim of Rupees 315-12-7* may perhaps be made by the contractor for sectioning the embankment, the contents of which Mr. Walton estimated at 30,315⅞ according to the certificate granted by him, after checking or pretending to check pit-measurements.

Rs.	A.	P.
1,578	15	2
62	5	0
136	6	8
1,777	10	10

* 30,315⅞ cubic yards at 2 pice = Rupees 315-12-7.

7. From the enclosed statement it will appear that the total payments made have amounted to Rupees 5,036-2-10; that payments have been made or certificates have been granted to the amount of Rupees 5,536-3-5; that a claim may perhaps be made for a further sum of Rupees 315-12-7; and that Captain Montgomerie's measurements show work executed to the value of Rupees 4,041-13-4: thus payments have been made to the amount of Rupees 994-5-6 in excess of work executed, while claims may perhaps be made to the amount of Rupees 1,810-2-8 in excess of value of work turned out. The contractor for No. 1 section has already petitioned for payment according to the certificates granted, though he has been already paid in excess of value of work turned out, and he will be informed that his

Sum of columns 4 and 6.

claim cannot be recognised, as it is in excess of value of work turned out according to the Executive Engineer's measurements.

8. It appears that a sum of Rupees 11 and odd only was paid for the earthwork in sections I., II., and III., up to the end of April 1870; Mr. Walton was the executive agent in charge of these sections under Captain Montgomerie up to 27th April, on that day he succeeded to the charge of the range and continued in charge till the 27th July, when he reverted to the direct charge of the road and continued in charge till the 22nd October, when he proceeded on leave (for, during the second period Captain Montgomerie had charge of the Superintending Engineer's office, he continued in nominal charge of Range No. 1), and it was between April and October that Mr. Walton passed the certificates adverted to above in excess of work turned out.

1*st*.—From 27th April to 27th July.
2*nd*—From 15th September to 9th November.

9. The payments for work executed were for the most part made by Mr. Supervisor Walton, and his letters of explanation are forwarded; from these it appears that Mr. Walton did not himself measure the work but satisfied himself with checking a pit here and there. Mr. Walton, after having been called upon for explanation relative to the excess measurements passed by him, checked the work executed on section II. by measuring the road embankment, and, in his first letter, endeavours to account for 5,785 cubic yards, out of 23,965 cubic yards, by shrinkage of earth in the embankment and by washing away. The excess to be accounted for is 7,471 cubic yards according to Mr. Walton's second measurements, and 8,646 cubic yards according to Captain Montgomerie's measurements; for while Mr. Walton quotes his measurements as 23,965 cubic yards, the measurements he passed and for which he made out a certificate were 25,651⅛ cubic yards, on which he paid Rupees 1,500 or for 24,000 cubic yards at 1 anna per cubic yard; he is, therefore, incorrect in stating that his measurements were 23,965 cubic yards.

No. 2 of 31st January 1871.
,, — of 20th March ,,
,, 21 of 9th May ,,

25,651	
18,180	
7,471	
25,651	
17,005	
8,646	

10. On my informing Mr. Walton that the measurement of the embankment should show a greater content than the measurements of pits from which the earth was taken, he addressed me by letter dated 20th March, in the latter part of which he states that, owing to the incomplete state of the embankment in Section No. 3, he was unable to check work done in that section.

11. Mr. Walton is in error relative to Captain Montgomerie's method of checking the work executed in Section 3; he did not check the work by calculating the quantity of work to be done and by deducting it from the quantity in the estimate, but by calculating the earthwork required to complete the road embankment with reference to the masonry works which had been built, and by deducting from the quantity thus ascertained the work required to bring the embankment up to the

necessary section. The revised section contains 4,146 cubic yards more than the original estimate. Sections 4 and 3 differed considerably from the original estimate, as the estimate was prepared in 1864 before the construction of the Codamoorty regulator with bridges had been proposed, and it provided for joining Road No. 2 at the Codamoorty bank about 500 yards east of the point at which the Codamoorty regulator has been built, and to which the road is now carried.

In Section 3.		
Original Estimate	36,500	cubic yards.
Revised Section	40,146	,,
	4,146	

12. The work consisted of a new embankment on a level plain, and there could be no difficulty in checking the work executed by bank measurements in Sections I. and II., while from the manner in which the quantity of work executed in No. III. was checked, a very close approximation to the work turned out must have been arrived at by Captain Montgomerie, whose measurements would be rather in excess of, than below, the pit measurements.

Vide paragraph 11.

13. A clause in the contract states that a continuous trench shall be excavated from which to obtain earth for the road embankment; there would have been no difficulty in thus obtaining earth, and irregular pits should not have been dug; it appears that in some cases after pits had been measured other pits were dug in them, and it is probable that the upper pits were then enlarged in some degree and passed off again as new pits. This could only have been done by the Contractor in collusion with the Maistry, who I have dismissed. It was on the Maistry's measurements improperly or, I may say, unchecked that Mr. Walton granted the certificates. I do not for a moment believe that Mr. Walton has in any way benefited by the fraudulent measurements which he has passed, and it is true that there was a great deal of work in progress while he was in charge of the range from April to July, but still this is no excuse for his utter neglect to check the quantities of work turned out before granting certificates for large amounts, and this the more as an approximate check by bank measurements was so easy, and a glance at the estimate would have shown him that there must be an error somewhere. A check such as he exercised, namely, by measuring a few pits in several places, is utterly useless as the sequel indicates and only affords a temptation to fraud, of which the Contractor and Maistry have not been slow to take advantage.

Vide letter No. 2 of 31st January.

14. Mr. Walton is now in charge of Range No. 3, but from the case stated above it is clear that he is not fit for an independent charge, or the charge of a range.

No. 29. ORDER THEREON, 3rd October 1871, No. 2,511.

ESTABLISHMENT, No. 2.

THE Government having carefully considered these papers see no reason to question the accuracy of Captain Montgomerie's measurements or the opinion that he and Captain Oakes have formed of the case. It is clear that Supervisor Walton is not to be trusted with the responsible duty of granting certificates for work done, and as he is declared by the Superintending Engineer to be unfit for the charge of a Range, he cannot be retained in the position of a Supervisor and His Excellency the Governor in Council directs that he shall be reduced to the grade of Overseer.

Proceedings of the Madras Government, Public Works Department, 3rd October 1871.

(True Extract.)

Captain, R.E.,
Offg. Joint-Secretary to Government.

To the Superintending Engineer, 6th Division.
,, Controller of Public Works Accounts.

Exd. S. T. Augustin.

No. 473.

Insp. Engrs' Office 6th Division.
Jaipore 26th August 71.
Despatched 29th

From,
Captain R. F. Oakes. RE
Insp. Engineer 6th Division

To,
Colonel J. Carpendale RE.
Secretary to Govt. P. W.
Madras.

Sir,

I have the honor to inform you that in measuring up the Earth work executed in forming the Road embankment of the Boddaloor Railway Feeder the Executive Engineer discovered that far more Earth work had been paid for than had been executed.

2nd The Road work appears to have been divided into 4 Sections & given out to 4 different Contractors, the first 3 Sections were in Mr. Walton's charge and the 4th under the Local Fund overseer, with

with the first three we have only now to do.

In Section I Captain Montgomerie finds that 20250 Cubic yards of Earth work have been executed & this at the rate allowed in the Estimate viz 1 anna per Cubic yard gives Rs. 1265.—

3 —— For this Section Mr. Walton passed 24,951 5/8 Cubic yards of Earth & paid Rs. 1299—9—. at 10 pice per cubic yard pending the Sectioning of the bank; a portion of this Sectioning appears to have been undertaken by daily labor & though Rs. 147—11—9 had been spent in this manner upto the end of August by Maistry Valayudum Pillay on the 3d September Mr. Walton passed a Certificate for 1-anna for the Contractor, on which the Contractor now claims payment. Velayudum Pillay still continuing to carry on work by daily labor and expending in all Rs. 283—11—3 — In addition to this Velayudum Pillay expended Rs. 125—14—9 in Earth work carried on by daily labor & after Mr. Waltons measurements were taken Overseer Chellumbrum granted a Certificate for 3581 1/4 Cubic yards of Earth work at 10 pice, so that on this Section work has been passed or Certificates have been granted to the value of Rs. 2155—5—7— this amount being Rs. 889—11—7 in excess of value of work turned out according to Captain Montgomeries measurements & the actual payments made upto date amount to Rs. 1708—8—0. and the Contractor claims Rs. 259—14—7 on Mr. Waltons Certificate of 3d Sept. timber & Rs. 186—15— on that of the Local fund Overseer.—

4 —— Of the above expenditure Mr. Walton appears to be responsible for Rs. 1842—7—10 & supposing the expenditure incurred subsequently to have been correct the value of work passed by him must have been only Rs. 952—12—3 & even if all the expenditure incurred subsequently to his going on leave represented no work (& there is no reason to suppose it does so) he would still have passed work to the amount of Rs. 576—13—10 in excess of work executed

as checked by Captain Montgomerie.

5—— As regards Section II Mr. Walton furnished a Certificate for 25,651 1/8 cubic yards at 1 anna = Rs. 1603-3-0 & made payments amounting to Rs. 1500. Captain Montgomerie subsequently made a further payment of Rs. 50 on Mr. Walton's Certificate & so Rs. 1550 have been paid in all, while Captain Montgomerie's Check measurements show that 17005 cubic yards of Earth work have been executed & this he values at Rs. 1053-1-6, a portion of the work having been in an incomplete state when he measured it. Thus, for this Section Mr. Walton has passed work to the Amount of Rs. 550-1-6 in excess of value of work executed and from his own check measurements of this Section he could only show 18180 cubic yards of work, but there is no reason to doubt the accuracy of Captain Montgomerie's measurements of 17005 cubic yards.

In

6—— In Section III Captain Montgomerie's measurements show that 27569 5/6 cubic yards of Earth work have been executed and these at 1 anna fine an Expenditure of Rs. 1723-1-10 Mr. Walton's measurements are 30,315 7/8 for which he paid at 10 fine Rs. 1578-15-2 in addition to this 997 cubic yards of Earth work were executed by the Local Fund Overseer & Rs. 136-6-8 were expended in daily labor on Earth work subsequently to Mr. Walton's proceeding on leave, thus the Expenditure on this Section had been Rs. 1777-10-10 against 1723-1-10 the value of work actually executed but a further claim of Rs. 315-12-7 may perhaps be made by the Contractor for Sectioning the Embankment the Contents of which Mr. Walton Estimated at 30315 7/8 according to the Certificate granted by him, after checking or pretending to check his measurements.—

7—— From the enclosed Statement it will

when

will appear that the total payments made have amounted to Rs. 5036-2-10 that payments have been made & Certificates have been granted to the amount of Rs. 5536-3-5 that a claim may perhaps be made for a further sum of Rs. 315-12-7 & that Captain Montgomeries measurements show work executed to the value of Rs. 4041-13-4 thus payments have been made to the amount of Rs. 994-5-6 in excess of work executed, while claims may perhaps be made to the amount of Rs. 1810-2-8 in excess of value of work turned out. The Contractor for No. 1 Section has already petitioned for payment according to the Certificates granted though he has been already paid in excess of value of work turned out & he will be informed that his claim cannot be recognised as it is in excess of value of work turned out according to the Executive Engineers measurements.

8—— It appears that a sum of Rs. 11 and odd only was paid for the Earth work in Sections I II & III upto the

the end of april 1870; Mr. Walton was the executive Agent in charge of these Sections under Captain Montgomerie upto 27th April, on that day he succeeded to the charge of the Range & continued in charge till the 27th July when he reverted to the direct charge of the Road and continued in charge till the 22d October when he proceeded on leave; (for during the 2d period Captain Montgomerie had charge of the Superintending Engineers office he continued in nominal charge of Range No. I) & it was between april and october that Mr. Walton passed the Certificates adverted to above in excess of work turned out.—

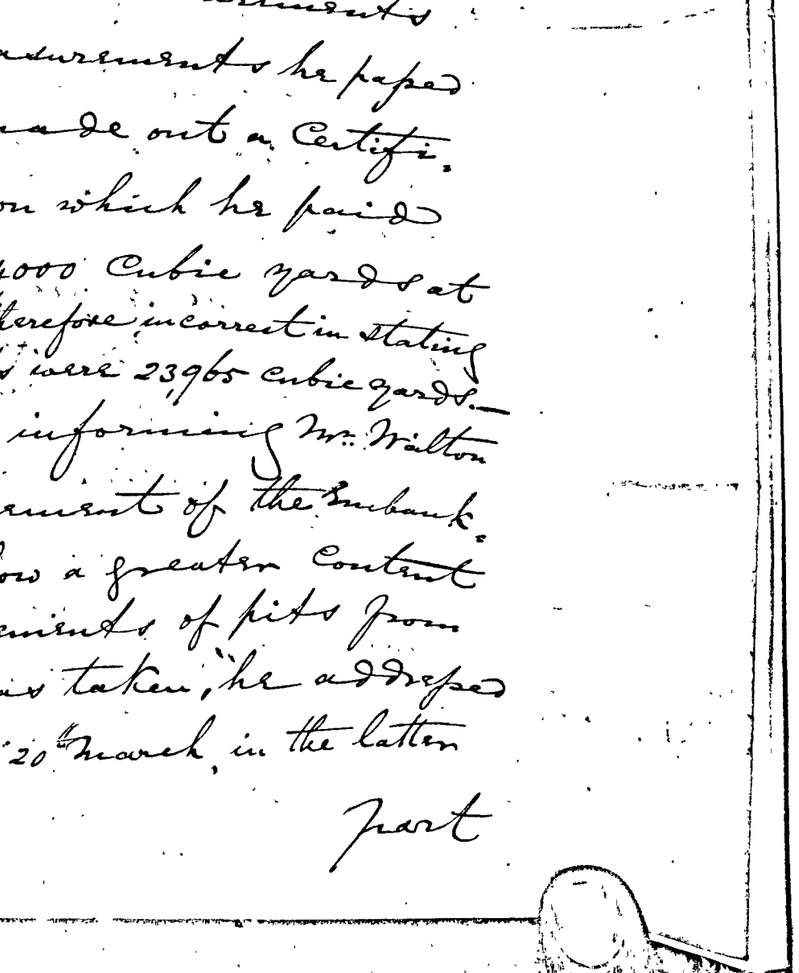
9—— The payments for work executed were for the most part made by Mr. Supervisor Walton & his letters of explanation are forwarded, from these it appears that Mr. Walton did not himself measure the work but satisfied himself with checking a pit here & there

Mr.

Mr. Walton after having been called upon for explanation relative to the excess measurements passed by him checked the work executed on Section II by measuring the Road Embankment & in his first letter endeavours to account for 5785 Cyds. out of 23,965 cyds. by shrinkage of Earth in the Embankment & by washing away — The excess to be accounted for is 7,471 Cubic yards according to Mr. Waltons 2nd measurements and 8646 according to Captain Montgomerie's measurements; for while Mr. Walton quotes his measurements as 23965, the measurements he passed & for which he made out a Certificate were 25651/8 on which he paid Rs. 1500 or for 24000 Cubic yards at 1 Anna per Cyd. — he is therefore incorrect in stating that his measurements were 23965 cubic yards.—

10 ——— On my informing Mr. Walton that the measurement of the Embankment should show a greater Content than — the measurements of pits from which the Earth was taken, he addressed me by letter dated 20th March, in the latter part of which he states that owing to the incomplete state of the Embankment in Section No. 3 he was unable to check work done in that Section.—

11 ——— Mr. Walton is in error relative to Captain Montgomerie's method of checking the work executed in Section 3 he did not check the work by calculating the quantity of work to be done & by deducting it from the quantity in the Estimate, but by calculating the Earth work required to complete the Road embankment with reference to the Masonry works which had been built & by deducting from the quantity thus ascertained the work required to bring the Embankment upto the necessary Section — The Revised Section Contains 4,146 cyds. more than the original Estimate. Sections 4 & 3 differed considerably from the original Estimate, as the Estimate was prepared in 1864 before the Construction of the Cudamoorty Regulator with bridges had



marked

had been proposed and it provided for joining Road No. 2 at the Codamoorty bank about 500 yards east of the point at which the Codamoorty Regulation has been built & to which the Road is now carried.

12 —— The work consisted of a new embankment on a level plain & there could be no difficulty in checking the work executed by bank measurements in Sections I and II while from the manner in which the quantity of work executed in No. III was checked a very close approximation to the work turned out must have been arrived at by Captain Montgomerie whose measurements would be rather in excess of, than below, the pit measurements.

13 —— A clause in the Contract states that a continuous trench shall be excavated from which to obtain earth for the Road embankment; there would have been no difficulty in thus obtaining earth & irregular pits should not have been dug -

it

it appears that in some cases after pits had been measured other pits were dug in them and it is probable that the upper pits were then enlarged in some degree & passed off again as new pits - This could only have been done by the Contractor in collusion with the ministry who I have dismissed - It was on the ministry's measurements improperly or I may say unchecked that Mr. Walton granted the Certificates - I do not for a moment believe that Mr. Walton has in any way benefitted by the fraudulent measurements which he has passed & it is true that there was a great deal of work in progress while he was in charge of the Range from April to July, but still this is no excuse for his utter neglect to check the quantities of work turned out before granting Certificates for large Amounts & this the more, as an approximate check by bank measurements was so easy & a glance at the Estimate would have shown him that

there

there must be an error somewhere
A check such as has been exercised viz by
measuring a few pits in Several places
is utterly useless as the sequel indi-
cates & only affords a temptation to
fraud of which the Contractor & Maistry
have not been slow to take advantage—

14 —— Mr Walton is now in charge
of Range No 3, but from the case stated
above, it is clear that he is not fit
for an independent charge or the
charge of a Range.—

I have the honor to be
Sir
Your Most Obd Servt
W. F. Drake Capt R.E.
Supg Engineer 6th Div

there must be an error somewhere.
A check such as he exercised viz: by
measuring a few picks in several places
is utterly useless as the sequel indi-
cates & only affords a temptation to
fraud of which the Contractor & Maist
have not been slow to t[illegible]

14 ——— Dis & Engrs 1/69 31-135-69

P.W. 1871 Dept
No 4093
Exec Engrs
6 Oct

To Secretary to
Govt P.W.
Madras

J. Rung
above, i
for an
charge

Dated 26th Aug 71.
Rec'd 31st
No 473-
Encls. 4-

Reports relative
to alleged assault by
Ovr & Supervisor Walter
on Bondalore Rail-
way Feeder Work-

No 2811- 3 Oct 71

No 28
6 Oct 71

Statement of Earthwork Executed on Bidadúr Railway Tanjore District.
and of Certificates granted Feeder up to the 31st December 1870, of payments made,

1	2	3		4		5		6	7		8		9	10	11
No. of Section	Nature of Work	Work measured by Captain Montgomerie		Work passed by Mr Walton		Work paid by Mr Walton		Work passed by Mr Walton but not paid subsequent to his relief	Payments made for work Executed subsequent to Mr Walton's relief and included in Captain Montgomerie's measurements		Work executed subsequent to Mr Walton's relief, but not paid.		Total amount of work passed in each Section as per Columns 4, 7, & 8	Total Expenditure on each Section	Remarks.
		Quantity	Rate Amount	Quantity	Rate Amount	Quantity	Rate Amount	Quantity Rate Amount	Quantity	Rate Amount	Quantity	Rate Amount			
I	Total Work — By Contractor	20250	- 1 - 1265 -												
	Daily labour by Local Fund Maistry Valayudam Pillay	24951/8	- 1 - 1559 77	24951/8	- - 1559 77								3589 - -	10 186 15 -	2155 5 7 1708 8 -
		- - -	283 - 3 -	- - -	283 - 3 -	- - -	- - -	- - - - - -							
II	Total Work — By Contractor	15139	- 1 - 946 3 -												
		1866	- - 11 106 4 6										1603 3 -	1550 - -	
		25651/8	- 1 - 1603 3 -	25651/8	- - - 1550 - -	- - -	- - - - - -								
III	Total Work — By Contractor	27569/8	- 1 - 1723 1 10												
	Daily labour by Local Fund Overseer	303157/8	- - 10 1578 4 2	303157/8	- - 10 1578 4 2	- - -	- - - - - -		997	- 1 - 62 5 -			1777 10 10	1777 10 10	
									2182/3	- 1 - 136 6 8					
		4041 12 4		5024 10 -		4661 8 5		10 - -	324 10 5				186 15 -	5536 3 5	5036 2 10

Subg Engineer's Office 6e Dn
Tanjore 26th August 1871

H. F. Dawkes Captain R.E.
Subg Engineer 6e Dn

Enclosure in a letter from the Supy Engineer 6th Dn, to the Secretary to Government B.W.D. 722-473, dated 4th Augt 1871.

P.W. 4093/71
Trans. Letter 17 L 28.

Statement of Earthwork Executed on Bridalin Railway Feeder up to 31st December 1870, of payments made and of Certificates granted.

5 be made on account of
Drainage and a portion of the
Earth having been washed
away from the slopes by the late
rains. The embankment which
was raised about half a yard
in excess of the estimated height
to allow for settlement may
have probably sunk 4 to 6 feet allow-
ing 2 inches to every foot in height
and half a yard of earth may
have been washed away from
Each slope leaving in
side-ridging and cut-
the top of the Road being 7
yards, the slopes 1/2 yards
and its length 700 yards.

The quantity of Earthwork
necessitated may therefore be
taken as follows.

	C. Yards
Cubical contents of banks in situ	
present state —	16323
In Padugay —	1057
Due to shrinkage & work-	
ing away of the earth from	
the slopes.	@ 6705.
	23965.

With regard to the quantity allow-
ed for Shrinkage &c it should be

* Shrinkage 6 yds 700 × 7 × 5/12 × 1/2 = 22750
Making in Cubic yards 1700 × 42 × 1/2 = 35700
The Slopes. 57050

* 2" per foot for 2½ yards

Please see enclosed
sheet how it
did not the bills
before the arbitrator

1/8

be cancelled and note to cancel-
ling the loose nature of the
soil, the time that has elapsed
since the work was commenced
being 6 months and the fre-
quent fall of rain which causes
I beg to observe, does not attract
your attention

It is a fact that where work on
roads, River and Tank banks is
formed of similar Earth, is carried
out, Considerable difference
as to quantity, when measured
after sometime, will exist between
the Earth transferred, from Ex-
cavation and in embankment.

The quantity paid for is
24000 C. Yards and, as there
still remains 035 C. Yards
after deducting 23965 C. Yards
This may be attributed
partly to the causes above stated
and partly to the small open-
ings, which were left near the
Channels, which cross the
road and are continually
being enlarged by the Villagers
to Irrigate their fields from
being flooded.

The post measurements were from
time to time taken by the Overseer
and, during my inspections
they

they were handed over to me and although I took no part, owing to press of business being in charge of the Range and Special Works Resident to measure every bit I checked the measurements of a few of them in several places to test their correctness and found them to tally with mine. As I have reason to doubt that the quantity of work paid for was exceeded the difference, as ascertained by Bank measurements, should be Capitalised as due to the Causes above stated.

As regards the over-payments of Rs 161-6-2 and to Bank Dam made for Earthwork in Section No 3 it has been ascertained by you by deducting the quantity of Work yet to be done, from the Estimated quantity but I beg to inform you that as through out the Bund the directions were not adhered to, the location of the Line

W.F.D.

differing in most places from that originally selected, Earthwork has been carried out in accordance with the requirements of the road, and such being the case it is possible that no payment in excess of work actually done, has been made.

I have the honorable
Sir
Your Obed[t] Servant
W. D Wallace
Supervisor

29

3

No. 21.

9th May 1871

From Mr. W. H. Walton
Superviser 1st Class.

To Captain Oakes R.E.
Superintending Engineer
6th Dn

Sir,

As requested in Memo of No 108 dated 4th Instant I beg to forward the original measurements of work executed on the Boradulore Railway feeder by Local Agency Valoya den Pillay in Sections 1, 2 & 3 and to inform you that as copies of them were left among the records of my office I did not deem it necessary to leave these also.

The measurements were from time to time written by the Maistry on other papers than those in which his measurements are now forwarded and shown to me whenever I inspected the work but as Earth work was carried out by the Contractors at the same time in different parts of the Sections and not continuously from one end I directed him to have pit measurements written out

when

Enclosure in a letter from the Supt Engineers Secretary 6th Dn to the Govt - P. W. D. - No. 473, dated 26th July 71.

P. W. 4093/71
From 3rd Asstt 11th Jul 71

Mr Superviser Walton's letter No 2 dated 31st January 1871.

out in order commencing from one end, their position being noted with reference to channels and other objects that there may be no difficulty in checking the whole of them finally - This has been done by him in the measurements now submitted but as the pits were subsequently submerged I was prevented from testing the measurements, as I intended of every one of them -

As the measurements of Pits as entered in the Ministry accounts now sent are differently arranged from those that were submitted by him for the quantity of work on which each payment was made I can not state for which of these pits the respective payments were made and the dates on which the measurements of some of them were tested by me

The measurements now submitted for the 3 sections do not represent work wholly measured by me but only partly tested

The calculations of the measurements in Section No 2 give 24595 Cubyds and not 25030 yds as stated in the Memo: - The Ministry must have the Pit measurements as they were presented for each payment -

They to remain
Sir,
Your most Obt Servant
W. B. Webb
Superintt Class.

From
The Inspector
No 3 Range Sanjan
Dated 9th May 1871
Rec'd 10th May 1871
No 21

Forwards original
Measurements
of work executed
on the Boodalore
Railway Feeder

Enclosure in a letter
from the Superintendg Engr
6th Div. to the Secretary
to Govt. P.W.D.
No. 473, dated 26th August 71.

P.W. 4093/71
Rec. 3rd October 1871 Ack. 4th

No. Supervisor Walton's
letter No. 21, dated
9th May 1871.

Accounts Branch.

Trangquebar
20th March 1871.

39

To
Captain R. J. Baker R.E.
Superintending Engineer 4th Div.

Sir

With reference to Memo No. 1091 dated 10th March last regarding the discrepancy made by me for the works on the Boodoor Railway Feeder, I beg to inform you that when in the explanation submitted I attributed the main difference between Captain Montgomeries' measurements of the embankments and mine as taken by the Chainage and lastly tested by me, I did not mean to say that the discrepancy was due to any inaccuracy in the measurements as taken by Captain Montgomerie, but that the difference arose from the fact that the embankments were formed of loose earth such as the one in Section No. II, the Chainage ought to be made in a less length when measured some time after its completion, on account of shrinkage and the sliding away of the earth from the inclined slopes of the Bund. I admit that I have been hasty in this respect and that no such allowance as stated in the Memo is admissible.

I have only to state about the measurements as taken by the Amildar, that I had no opportunity of testing any one of them, and that as the work in Section No. II was in progress, these being yet unbroken

the pits being under water. It is not possible, I beg to state, to ascertain the exact quantity of Earth work that has been carried out in this section by measurements of the Embankment which in its present state, is for the most part very irregularly formed, and hereafter when it is properly sectioned it may be determined whether any Overpayment has been made.

The Estimated items for Earth work in most parts of the Road have not been strictly carried out because the line selected differs from the one estimated for, and Earth work has been carried out in accordance with the requirements of the Road and there are but few places in its entire length where the sections of the Embankment tally with those as provided in the Estimate.

I beg to remain
Sir
Your most obed.t Servant
P. V. Walker
Superintendent

Ltr. Le Division } No. C. & A. 4782

From
Offr. in charge
No. III Range
Tanjore

Dated 20 } Mar. 91
Recd. 22 }

No.

Explanation
regarding excess
expenditure on
the Boodalore Rail
way feeder.

11

P.W.D. 1471

Proceedings of the Madras Government

Read the following

From

The Supdtg. Engineer
of the 6th Division } (No. C. No. 473 of 26 August 1871)

The tabular statement forwarded as an enclosure with the Supt. Engineer's letter above; shows clearly the amount of work certified by the Supervisor Pallan to have been executed on three several sections of the Budalur Railway feeder or road, the quantity done subsequently to his being

Enclosure in a letter from the Supt. Engineer 6th D. No. 1, to the Secretary to Govt. P.W.D.— No. 473, dated 26th Augt. 71.

P.W. 4093/71. Para. 3 dated 1st Dec. 28

From Supervisor Walton's letter No. — dated 20th March 1871.

relieved of the charge and the sanction paid to the Contractor or otherwise expended.

2. Mr. Wallow appears from this to have certified that during his incumbency work to the value of Rs 5,024-10 had been executed and payments were actually made by him or by others on this guarantee to the extent of Rs 4,711-8-5. It is further shown that during the period following his relief, additional work said to have been executed, was at any rate passed and paid for to the extent of Rs 324-10-5. In addition to this another charge is entered of Rs 186-15-0 for work also done under the Overseer who succeeded the Supervisor and finally it is noted in the column of remarks in the statement, that possibly a further sum of Rs 315-12-7 may be demanded by a Contractor, being short payment on work certified by Mr. Wallow and in the Superintending Engineer's letter, that another

relieved of the charge and the sanction paid to the Contractor or otherwise expended.

2. Mr. Wallon appears from this to have certified that during his incumbency work to the value of Rs 5024-10 had been executed and payments were actually made by him or by others on this guarantee to the extent of Rs 4,711-8-5. It is further shown that during the period following his relief, additional work said to have been executed, was at any rate passed and paid for to the extent of Rs 324-10-5. In addition to this another charge is entered of Rs 186-15-0 for work also done under the Overseer who succeeded the Supervisor and finally it is noted in the column of remarks in the statement, that possibly a further sum of Rs 315-12-7 may be demanded by a contractor, being short payment on work certified by Mr. Wallon and in the Superintending Engineer's letter, that another

actually does claim
Rs 259-14-7 on Mr.
Wallan's certificate.

3. The result is that
as shown in the margin
payments have been
made, or liabilities
incurred on account
of this portion of the
road amounting in
the aggregate to Rs
5-7-98-13-0.

*Paid by Mr. Wallan or dis- -bursed on the guarantee of his certificate	Rs. as. 0
	4711-8-8
Paid subsequently to Mr. Wallan's relief	324-10-5
certified by the local fund Overseer but not paid	12-15-0
short payments on work certified by Mr. Wallan and claimed or likely to be claimed by contractors.	575-11-2
Total Rs.	5,798-13-7

4- Examining next
the entries made in
the 3rd columns of the
statement, which re-
-present the quantities
and value of the work
actually executed as
derived from the
later

later measurements by
Capt: Montgomerie it
is seen, the whole should
only have entailed an
expenditure of Rupees
4,864-13-4.

5. While noticing
that Mr. Wallan is only
responsible for a por-
-tion of the expendi-
-ture, the Supt. Engineer
justly remarks, that
even if the whole
incurred after Mr.
Wallan left represented
no work (which there
is no reason to suppose
is the case) he would
still

still have passed work
to an extent much in
excess of that executed
as checked by Captain
Montgomerie.

6. It is thus conclu-
sively shown that
excess payments have
been made on incorrect
measurements prepared
there is no reason to
doubt with intent
to defraud and that
the fraud was ren-
dered possible by the
culpable neglect of
Mr. Dalton.

7. The plea advanced
by the Supervisor of
pressure of work as
an

an excuse for his having
adopted without pro-
per scrutiny and
check the measure-
ments of his subor-
dinates cannot be
admitted, but taking
into consideration
Mr. Dalton's previous
good character and
accepting the opinion
expressed by Captain
Oates that he does
not believe that
Mr. Dalton has in
any way benefitted
by the fraudulent
measurements, his

Excellency in Council resolved simply to direct his reduction from 1st to 2d grade Supervisor and to prohibit his employment in charge of a range.

8. These papers will be referred to the Govt Pleader with a view to his reporting whether under the circumstances a criminal action could be maintained against the Inspectrix who supplied the incorrect measurements and the contractors and whether a Civil suit for the recovery of the excess payments to the latter could be maintained.

Asked

To
The Supdg Engr 6 Dn
" Controller P. W. Accts
" Govt Pleader

The Government having carefully considered these papers see no reason to question the accuracy of Captain Montgomerie's measurements or the opinion that her Captain Oakes have formed of the case. It is clear that Senior Walton is not to be trusted with

Letter from the Supg. Engr
of the 6th Division dated 28th August 1871. No 473.

Circulated for orders.

This case has been very carefully enquired into by Capt. Oakes the Supg. Engineer, and there can be no reason to question the accuracy of Capt. Montgomerie's measurements or the opinion that he and Capt. Oakes have formed of the case.

It is clear that Supervisor Walton is not to be trusted with the responsible duty of granting certificates

of granting Certificates
for work done, and
as he is declared
by the Superintending
Engineer to be unfit
for the charge of a
Ward, His Excellency
the Governor in Council
directs that he be
reduced to the grade
of Overseer.

To The S. Engr. 6th Div.
Comptroller
Dept 4/10/71

for work done - As Capt
Oakes puts it, the fraud is
owing to a Variety of Measure-
ments being unchecked by
the Supervisor. As the
Supervisor is acquitted of
having in any way benefitted
by the fraud, it might
be a sufficient punish-
ishment to reduce him
to 2d. Grade Supervisor,
but he is declared by the
Supt. Engineer to be unfit
for charge of a Range at all
for any independent
charge, and might not there-
fore be retained in that
rank at all. He might cer-
tainly be reduced
to the rank of Overseer
if he is to be retained
in the department at all.

Ff. 14 Feb.

C. No. 4093.

Govt of {1871} Madras.

PUBLIC WORKS.

To Superintending Engr
6th Division

Dated

Rec'd. 4/7

Read.

G. O. 13 October No. 2511.

Nos. 2842 9

Appointing Lieutenant Walton
to be to the grade
of Overseer.