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(2) Date of repair 20-10-1942

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. <i>3401</i>	Press ~~Mis.~~
<i>549-550</i>	
Dated <i>28-11-</i>	<i>1864.</i>

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
28th November 1864.*

No. 549 Read the following Endorsement of the Superintending Engineer, 7th Division:—
No. 178.

*Notes to accompany the final Bill for the Groynes to protect the Salt Gollah at
Tellichery.*

1. Measures to protect this building from the encroachments of the sea, originally called for by the Collector before the monsoon of 1863, were planned by the District Engineer at a cost of Rupees 2,000, and in the form of a sea wall parallel to the beach. The principle of such a work was disapproved of by the Superintending Engineer, and orders to estimate for rough stone groynes, at right angles to the shore, were issued in July 1863. Mr. Bailey not understanding what was intended, left the project to Captain Vertue amongst his Unanswered References.

2. In a letter of the 15th February, that Officer recommended that 5,000 cubic yards of stone should be laid down in a groyne of 250 yards in length, costing Rupees 15,000, as a commencement of operations, with a view to subsequent extension. Shortly afterwards he received the Superintending Engineer's verbal instructions on the spot, to run out two small groynes at a cost not exceeding Rupees 1,000, and was supplied with a tracing of the kind of work required. His estimate of 21st March providing for two groynes, each 20 yards long, for Rupees 1,000, was altered by the Superintending Engineer into one for two groynes of less height, but double length, to cost Rupees 1,200, which amount was sanctioned by Government in Government Order No. 1,347 of 10th May, and increased to Rupees 1,302 by G. O. No. 2,078 of 19th July.

3. Captain Vertue appears to have commenced work in anticipation of sanction, under a false impression that the Superintending Engineer had done more than authorized collection of materials, and reported one groyne as finished on his own plan before receipt of the Superintending Engineer's revising Order No. 612 of 22nd April. The second groyne seems afterwards to have been carried out on the same scale as the first.

4. These small works have hitherto entirely answered their purpose, and greatly benefited a long line of private property, as well as Government buildings, endangered by the encroachments of the sea. But the Superintending Engineer cannot submit the final bill for the work without expressing his disapprobation of a certificate which can state, without qualification, that "the work was executed fully to the extent of the estimate" when the facts are as follows, viz:—

<i>Estimated for.</i>	RS.	A.	P.	<i>Executed.</i>	RS.	A.	P.
80 Cocoanut posts	80	0	0	55 Posts	50	0	0
440 Cubic feet wood-work...	262	8	0	257½ Wood-work ...	144	11	6
550 Cubic yards of stone ..	687	8	0	350½ ————— ...	789	0	0
43 Do. do. ..	96	12	0				
Fixing Posts and plank- ing... ..	60	0	0	{ Nails	27	8	0
20 Coolies	5	0	0		3	8	0
Sundries and superin- tendence... ..	110	10	8		0	8	6
					34	8	0
					933	4	0
				101 Maistries ...	33	10	8
Total...	1,302	6	8	Total...	1,307	10	8

Bills and estimates being valueless if Executive Officers are to be allowed to submit the former without any explanation whatever of discrepancies.

5. The accompanying letter and estimate of Rupees 2,140, lately submitted by Captain Vertue, are appended to these notes, to give a complete idea of the very small amount of practical skill shewn by that Officer from first to last. In his original proposition he quite lost sight of the relative proportion of his estimated outlay to the object in view. From his final letter he would appear to have adapted what he may have read about flexible floating break-waters to structures totally different in nature and object. And he has not known where to stop; enough

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for the present having been done to secure the object in view, and spare stone being at hand to use if required on emergency, with upwards of Rupees 250 of allotment unexpended. Moreover, the Superintending Engineer can come to no other conclusion, on the spot, but that with better management, the chief requisite, rough stone, ought to be put down in the shape of groynes at a cost much below that actually charged. This opinion he has taken care to make known most decidedly to the Taluk Overseer in charge, distinctly informing him that his rate of working is not creditable to his powers of management.

TELLICHERRY, 11th November 1864. (Signed) G. W. WALKER, Lieut.-Colonel, R. E.,
Superintending Engineer, 7th Division.

To the Secretary to Government, Department Public Works, in vindication of the charge of lax supervision of estimates in paragraph 5 of Government Order No. 2,954 of 14th October, and in further illustration of Cannanore Range work under Captain Vertue.

(Signed) G. W. WALKER, Lieut.-Colonel, R. E.,
Superintending Engineer, 7th Division.

No. 550. ORDER THEREON, 28th November 1864, No. 3,401.

1. The Bill is sanctioned.

2. The Governor in Council observes that the Superintending Engineer's Memorandum furnishes further evidence of Captain Vertue's inefficiency as a Range Officer. His conduct also in granting a certificate to the effect that the work had been completed to the full extent of the estimate, while the materials, as shewn in paragraph 4, were considerably below the quantities provided for, is deserving of severe censure. The Government note, however, that the two groynes, as completed, are stated to have hitherto entirely answered their purpose.

(True Extract.)

(Signed) CHARLES A ORR, Colonel, R. E.,
Secretary to Government.

To the Superintending Engineer, 7th Division.
" Controller of Public Works Accounts.
" Accountant General.

Exd. S. T. Augustin.

Notes to accompany the final Bill for the Groynes to protect the Salt Gollah at Tellicherry

Enclosures

1 Measures to protect this Building from the encroachments of the sea originally called for by the Collector before the monsoon of 1863, were planned by the District Engineer at a cost of Rupees 2000 and in the form of a sea wall parallel to the beach. The principle of such work was disapproved of by the Superintending Engineer, and orders to estimate for rough stone groynes, at right angles to the shore, were issued in July 1863. Mr Bailey not understanding what was intended, left the project to Captain Vertue amongst his unanswered references.

2 In a letter of the 15th February that officer recommended that 5000 cubic yards of stone should be laid down in a Groyne of 250 yards in length costing Rupees 15,000 as a commencement of operations; with a view to subsequent extension. Shortly afterwards he received the Superintending Engineer's verbal instructions on the spot, to run out 2 small Groynes at a cost not exceeding Rupees 1000, and was supplied with a tracing of the kind of work required. His estimate of 21st March providing for 2 Groynes each 20 yards long, for Rupees 1000, was altered by the Superintending Engineer into one for 2 Groynes of less height, but double length, to cost Rupees 1200, which amount was sanctioned by Government in Government Order No. 1347 of 10th May, increased to Rupees 1302 by G.O. No. 2048 of 19th July.

3 Captain Vertue appears to have commenced work in anticipation of sanction under a false impression that the Superintending Engineer had done more than authorize collection of materials, and reported one Groyne as finished on his own plan before

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Notes in accompanying
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to provide the satisfaction
at Allentown

Ms A 9.2.10.1 - 28th Dec 1861

William Gordon

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observes that the Superintendent
 Engineers' Memo^s furnished further
 evidence of Captain Dutton's in-
 efficiency as a Range Officer.

His conduct also in granting
a certificate to the vessel that
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to the full extent of the order, so
while the materials, as shown
in paper A, were considerably
below the quantities provided

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