

(1) Number of pages 14(2) Date of repair 13-8-42

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 1764	Press
77-78	~~Mis~~
Dated 6-7-	1863.

Not to be folded or roughly handled

14

*Proceedings of the Madras Government, Public Works Department,
6th July 1863.*

No. 77. Read the following Proceedings of the Madras Government in the Military Department, dated 29th June 1863, No. 2,107 :—

Approving, for immediate execution, of the Estimate of
Rupees 38,100 for erecting the buildings to contain the
second set of Incorporating Mills at the Gun Powder
Manufactory, Madras. } (Vide Military Proceedings, 29th June 1863,
Nos. 568-569.)

No. 78. ORDER THEREON, 6th July 1863, No. 1,764.

1. Communicated to the Superintending Engineer 4th Division for information and guidance.

2. Captain Prendergast will be good enough to report whether stone might not be used in the construction of the buildings instead of brick, and whether in the event of funds being provided, the work could be completed by the end of the current year.

(Signed) W. I. BIRDWOOD, Colonel, R. E.,
Secretary to Government.

Note by the Honble the President
on Proceedings of Government No.
dated June 1853.

See query inside as to
use of stone.

The Mills should be got to
work as speedily as possible. Could we
not run the whole building up this
year?

P. M.

Note by the Honble T. Pierpont.
on Proc of Cont. No dated June 1863.

The Estimate must be
sanctioned, the question put by His
Excellency being referred to the Sup^r
Engineer; viz: whether stone should
not be used instead of brick; and
whether the whole work could not
be completed this year.

For Mr.

74

MILITARY DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following letter:—

From the Acting Superintending Engineer, 4th Division, Madras, 12th June 1863, No. 601; to the Secretary to Government, Public Works Department, Chepauk.

With reference to the Orders of Government, No. 396, of the 16th February 1863, I have

the honor to submit an Estimate of Rs. 33,100 for erecting the Buildings to contain the second

set of Incorporating Mills at the Gun Powder Manufactory, I have specially to bring to notice

the increased rate of brick-work, caused by the price of bricks, being Rupees 12 per thou-

sand; in an Order of 13th March 1862,

Enclosures.

One Letter, No. 135, dated 8th June 1863, with one accompaniment.

One Abstract Estimate.

One Letter, No. 2977, dated 19th March 1863.

One Specification.

Three Plans.

No. 434, Government concur with the District Engineer, that superior materials will be required for the parts of the Building on which heavy Machinery will be supported, and that every precaution should be used in its erection. This was in reference to the Buildings for the 1st set of Incorporating Mills, and in consequence, a good Brick was used throughout, at the rate of Rupees 9 per thousand.

2. An agreement was entered into for the supply of bricks for these Buildings, at the last mentioned rate: but from doubts being entertained, as to whether the second set of Buildings would be sanctioned also; provision is not made for the bricks now required. The attempt to renew the agreement has been unsuccessful; the Supplier who made the bricks complains of having lost money, and persistently refuses to give Bricks of the same description, for less than Rupees 12 the thousand. The Bricks are the best that have been used on Government works in Madras, the next best which were made for the fortifications at Rupees 7-8 per thousand, being much inferior: and I would recommend sanction being given for the increased price, as an exceptional case; because the Mills are considered an important work that should not be delayed, and because we shall obtain for certain, a very good brick from the same supplier, who has already made them, and can therefore make them again. By going into the open market, we run the risk of failure: it is possible that a Tender might be given in, at a lower rate; but we have no certainty of a Contractor supplying an equally good brick in the required quantity and time. Advertisements have recently been published by a Brick-making Company, and I detained the Estimate, in order that I might ascertain, if good bricks could be obtained from them, at a lower cost. The Company will give bricks, 8 inches by 4 by $2\frac{1}{2}$, at 10 Rupees per thousand; while the Supplier will give a larger sized brick of 9 inches, by $4\frac{1}{2}$ by $2\frac{1}{2}$, for Rupees 12 the thousand. The price of the former, compared with the latter bricks, is as 1 to $1\frac{1}{4}$, while the size is as 1 to $1\frac{1}{4}$. The Company's bricks are Machine made, and very neat in appearance: but they contain a large quantity of sand, and are not so well mixed or so well burnt as the Supplier's. The Supplier is paid only for the number of "whole" bricks actually delivered at the Powder Mills, no broken or part-brick being accepted; whereas the Company's bricks are delivered at their Works, five miles off, and all breakage or loss on the road, falls on this Department. Again, dealing with the Supplier, we reserve to ourselves the power of rejecting all bricks which are not considered to be up to the standard, in quality or shape; and thus we are secured from having any bad bricks on our hands. On full consideration, I am of opinion, that to ensure economy, by using good material, it will be of advantage to pay Rupees 12 for the bricks which by experience have been found to be very good ones. The Abstract Estimate now submitted has accordingly been revised at this rate, and advantage has been taken of comparing the similar set of Buildings in progress, in making this Estimate correct in its details.

3. I have already reported,* that of the sum of Rupees 5,000, allotted from the Reserve

Fund of last year, only Rupees 742, was actu-

*No. 299 of 22nd May 1863.

ally paid away on the 30th April 1863, and

that Rupees 10,000, granted for the current

year, may be well laid out on the lower parts of the Buildings.

Carried over Rupees 5220. 5500

16th June 1863.

Referred to the Military Department.
(Signed) W. I. BIRDWOOD, Colonel, R. E.,
Secretary to Government, P. W. D.

ORDER, No. 2107, 29th June 1863.
Approved for immediate execution.
(True Extract.)

M. M. M. M. M.
Deputy Secretary to Government.

To the Public Works Dept., with 8 enclosures.
" Quarter Master General.
" Barrack Master.

BUILDINGS

ABSTRACT of Estimate No. of 186 -6

DISTRICT *Presidency*

WORK

*Constructing Incorporating Mills Engine & Boiler
in the form for order Manufacturing
at Vyasarpady.*

Quantities.	Description of Work.	Rate.			Amount.	Amount. of each part.
		Rs.	A.	P.	Rupees	Rupees.
<u>Concrete</u>						
18333 1/2	Cft. of Laying with Concrete	3	6		4010	
4942 1/2	Cyds. of Excavating & Level. : ling the ground — Per cyd	4			1236	
	Sundry Charges & :-				254	5500
<u>Constructing shafting.</u>						
Vaults & Screen walls.						
4171 1/2	Cft. of Brick work with Hydraulic : li Cement — Per cft		5	7	1325	
7891 1/2	do of Brick in Chumam —		4	3	2097	
1330	do of Segmental arch work with rubbed brick in Chumam — do		5		416	
	Centering for do				200	
377 7/8	Cyds of Filling with river Sand out side the shafting Vault watering & well from : ring down as shown in the Plan —	1	4		172	
850	Cft. of Laying with Selly in Chumam of 3 inches thick underneath granite floor in the shafting Vault	3	5	7	29	
867 1/2	do of Flooring with granite stone in Chumam 3 line dressed of 6 inches thick above the Selly — do	50			434	
1750	do of Plastering with 2 Coats of Hydraulic Cement Chumam to the inner walls of the shafting Vault — do	4	4		74	
4827	do of Plastering with 3 Coats Chumam to the Screen walls — do	3	12	5	182	
Carried over Rupees.					5229	5500

Exd. R. Stephenson.

Carried over page, 8899 11310

Quantities.	Description of Work.	Rate.		Amount.	Amount of each part.
		Rs.	A. P.	Rupees	Rupees.
1050	Sqft of Plastering with 3 Coats Chunan to the interior of the arch — Per Sqft	4	52	45	
	Constructing 4 Masonry Steps with bed side walls Elliptical Arch work 10 in sq brick floor & plastering & complete as per plan	"	"	220	
	Filling the remaining portion of the foundation with the excavated earth and well ramming down	"	"	50	
	Sundry Charges & Scaffolding			256	
	Constructing Engine House.				5800
1582 1/2	Cft of Brick work with Hy draulic Cement Per cft.	"	57	503	
13609 1/2	00 of Cut Stone in Cement	1	12	2381	
3260	00 of Brickwork in Chunan	"	43	866	
187 1/2	00 of Cornice work in 8	"	411	58	
27	00 of Circular Arch work	"	6	10	
35 1/2	00 of Flat Arch work in 8	"	56	12	
8	Granite blocks for the opening in the walls — each	15		120	
	Constructing 2 Masonry Steps with bed side walls 10 inches sq brick floor & plastering & complete each as per plan	"	"	40	
250	Sqft of Laying with Jelly in Chunan of brick & tiles underneath the granite floor — Per Sqft	6	112	17	
250	00 of Flooring with 3 line dressed Granite stone in Chunan of 6 ins. thick over the Jelly — 00	50		125	
1070	00 of Plastering with 2 Coats of Hydraulia Cement Chunan to walls under the floor line of the Engine House — 00	4	4	45	
	Carried over			4177	11300

Quantities	Description of work	Rate		Amount	Amount of each part
	Brought over			4177	11300
3800	Sqft of Plastering with 3 Coats Chunan to walls above — Per Sqft	3	125	1144	
36	00 of Plastering with 3 Coats Chunan to the soffit of the flat & circular arch work — 00	4	52	2	
300	00 of Plastering with 3 Coats Chunan to the Cornice	6	64	19	
750	00 Covering the roof with painted Chunan border	6	93	49	
700	00 of Lining with teakwood planks of 3 1/4 ins thick including battens & nails & over the secondary rafters — 00	24	10	172	
65	Running feet of Zinc gutter at the same as per plan — Per Running ft.	1	4	81	
4	Zinc pipes of 4 in diameter including chain cramps & complete — each	12	76	50	
176 1/2	Cft of Sea wood wrought & put up — Per cft	2	15	520	
2	Pairs of Sea wood butter doors with frames brass hooks hinges & bolts & complete each	24	6	49	
1	Pair — — — — —	"	"	29	
1	Pair of Venetian window shutters with frames brass hooks hinges & fastening bolts & complete — " " "	"	"	84	
1	Circular Glazed Ferried fan light shutters with curved frames & complete — " " "	"	"	23	
	Carried over			5399	11300

Quantity	Description of Work	Rate	Amount	Sum
	Brought over		5399	11300
1	Teakwood weather board with brackets purlins			
	of complete as per plan	" "	54	
450	Sq ft of green paint 3 Coats with Europe			
	Verde green to the doors windows & weather			
	Boards	per sq ft 4 12	21	
1200	White paint 3 Coats to the rafters purlins & ceiling planks &	2 11	32	
	Filling the exterior part of the foundation with the excavated earth & ramming well.	" "	30	
	Sundries & scaffolding		244	
	Constructing Boiler House			5780
1249	Cft of Brickwork with Hydraulic Cement			
	Chunam	Per Cft 57	397	
1530	do of Brick in Chunam	" 4 3	406	
150	do of Corned work	" 4 11	46	
38 1/2	do of Flat Arch work in Chunam	" 5 6	13	
575	Sq ft of Scaffolding with Selly in Chunam of 6 in thick above the Concrete	6 11 2	39	
593 1/2	do Flooring with 3 line dressed granite stone in Chunam over the Selly	Per sq ft 50	297	
1500	do Covering the roof with painted Chunam			
	Borders	do 6 9 3	99	
1220	do Plastering with 2 Coats of Hydraulic Cement Chunam to walls under the ground line	4 4	52	

1897 1868 Ditch
Mar of 1868 to Aug
1869

Q: 13 D. 1868
in the M. 1868
D. 1868

Detel 29 June
Red 23 July 1868

Price: 8. 2107.

1868 1869

1897. 78.

... of the ...
... of the ...
... of the ...
... of the ...
... of the ...

1868 1869

1868 1869

Communicated to the
Superintendent of Engineers & ...
information and guidance.

Captain ...

will be sent ... to report ...
stone might not be used in the

construction of the Building in:
instead of brick, and whether in
the event of funds being provided
the work could be completed by
the end of the current year.

To the ...
... of the ...
... of the ...
... of the ...
... of the ...