M.R.O. 1—10,006—28-2-50

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	2728	Press
B.P.—No. 1296 131		Mis.—
Dated	8-11-	1951 8.73

Not to be folded or roughly handled

Read the following letters:—

No. 129. 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, 23rd August 1873, No. 986.

I HAVE the honour to forward revised estimates, accompanied by comparative statements, for completing the undermentioned Cutcherries in the North Arcot District:—

Three Abstract Estimates.
Three Comparative Statements.

			Rs.
Deputy Tahsildar's Cutcherry and Subsidiary Jail at Venkatagherrikotah.			13,950
Second-class Sub-Magistrate's Cutcherry and Jail at Poottoor ...		...	12,500
Do.	do.	Calastry ...	... 13,800

These exceed the original estimates by Rupees 2,720, Rupees 1,690, and Rupees 2,990, respectively, for which sums sanction is now requested.

2. In the case of the Venkatagherrikotah Cutcherry the excess is owing to the District Engineer having allowed higher rates, and to the substituting of brick-in-chunam for brick-in-mud in the cook-room and ryots' shed. The latrine has also been revised in accordance with the Coimbatore plan.

3. The comparative statements of the Poottoor and Calastry Cutcherries show that the excess in each case is due to numerous small errors and omissions in the original estimate, to the high price paid for teak-wood, and to alteration of design in the latrines. It has also been necessary to add Rupees 1,000 to the estimate of the Calastry Cutcherry on account of compensation to be paid for land.

No. 130. From the same Officer, dated Chepauk, 4th October 1873, No. 1,260.

WITH reference to your memorandum, No. 339, of —— September 1873, I have the honour to state that I am unable to furnish any further information regarding the estimates for the Cutcherries in North Arcot beyond that contained in my letter of the 23rd August, No. 986. The late Superintending Engineer, 4th Division, has no longer charge of the North Arcot District, and the District Engineer was not in North Arcot at the time the estimates were made.

2. The necessity for the present revised estimates is principally owing to the rates in the original estimates prepared by the Range Officers having been reduced in the late Superintending Engineer's Office, without consultation with the Range Officers, who could not get the work done at the reduced rates.

3. There were also errors and omissions in the estimates that came from the late Superintending Engineer's Office. As to the latrines, the Coimbatore pattern has been adopted in accordance with the Order of Government of the 30th September 1872, No. 1,312, but the cost of the Cutcherries will not be materially affected by this alteration.

Proceedings of the Madras Government, Public Works Department, 8th November 1873.

No. 131. ORDER THEREON, 8th November 1873, No. 2,728.

CIVIL WORKS, No. 11.

WITH the first of the letters above recorded the Inspecting Engineer for Buildings submits revised estimates for the undermentioned Cutcherries in the North Arcot District, the grants and expenditure on which are shown in the following statement:—

Work.	Amount of revised estimate.	Expenditure prior to 1872-73.	Allotment of 1872-73.	Expenditure in 1872-73.	Allotment for 1873-74.
	RS.	RS.	RS.	RS.	RS.
Subsidiary Jail at Venkatagherri-kotah	13,950	570	...	...	6,900
Sub-Magistrate's Cutcherry and Jail at Poottoor	12,500	4,937	1,873	...	5,000
Do. at Calastry	13,800	6,216	94	...	5,000

2. As in the case of the Cutcherries at Poloor and Coopum, the revised estimates for which came under the consideration of Government in G. O., No. 1,710, of 2nd July last, the necessity for these supplemental demands has arisen chiefly from the original rates having been reduced in the late Superintending Engineer's Office without reference to the Range Officers concerned. His Excellency the Governor in Council sanctions the revised estimates; but he cannot but notice with regret that the grants made for the works in the past year should, from the mismanagement above noted, have remained unutilized, although made in compliance with special and repeated demands.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the Inspecting Engineer for Buildings.
,, District Engineer, North Arcot.
,, Officiating Controller of Public Works Accounts.
,, Judicial Department.

Exd. S. T. Austin.

Spare Copies.

OFFICE OF THE INSPECTING ENGINEER
FOR CIVIL AND MILITARY BUILDINGS,
Chepauk, 4 Oct 73 1873.

No. 1250

From

THE INSPECTING ENGINEER
FOR CIVIL AND MILITARY BUILDINGS,

To

The Secretary to Government
Public Works Department.

SIR,

With reference to your Memo No 339 of — September 1873, I have the honor to state that I am unable to furnish any further information regarding the estimates for the Cutcherries in North Arcot beyond that contained in my letter of the 23rd August No 986. The late Superintending Engineer 4th Division has no longer charge of the North Arcot district and the District Engineer was not in North Arcot at the time the estimates were made.

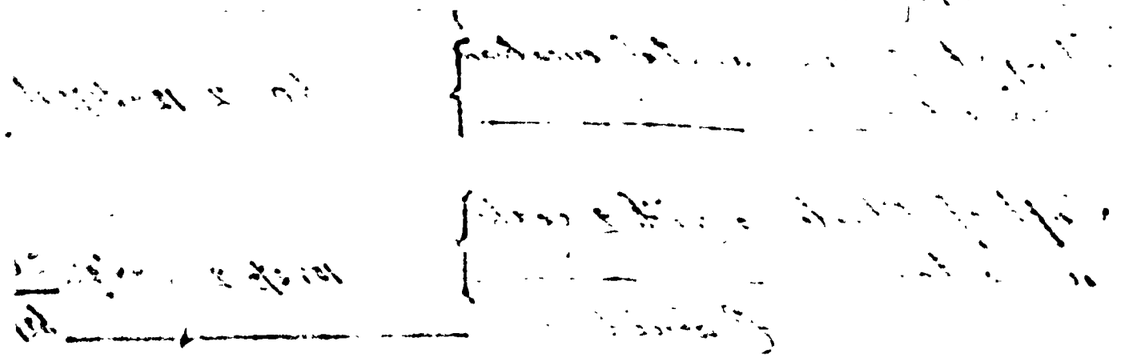
2 The necessity for the present revised estimates is principally owing to the rates in the original estimates prepared by the Range Officers having been reduced in the late Superintending Engineer's Office, without consultation with the Range Officers, who could not get the work done at the reduced rates.

There

3 There were also errors and omissions in the estimates that came from the late Superintending Engineer's Office. As to the Latrines, the Commissioners feel that soon adopted in accordance with the Order of Government of the 30th September 1872 No 1312 that the cost of the Cantonments will not be materially affected by this alteration.

I have the honor to be
Sir
Your most obedt Servant

Ed Md Scott Lt
Asst Engineer for Bridges



Public Works 1873 Department

8° 5 h 52

No. 1260

From

The Inspecting Engineer
for Buildings,

To

The Secretary
to Government
Ootacamund

Dated 4 October 1873.
Recd. 4 Oct 1873.

No. 2728-1 Nilgiris 73.

Requesting that Orders may be issued to furnish any further information required regarding the estimate for the Cultivation in North Arcot Ground that contained in the letter of the 23rd August last No. 986.

130

Copy to Collr Nilgiris

Comparative Statement Showing the Differences between the Original and the Revised Estimate for Constructing Sub. Magistrates Court House and Subsidiary Jail with out buildings at Bootoorinkee on Wallagah Range of North Street.

Description of Works	Original Estimate					Revised Estimate					Differences			Remarks
	No. of Similar Apartments	Dimensions	Quantity	Rate	Per	Amount	Quantity	Rate	Per	Amount	Increase		Decrease	
Sub Magistrate's Court & Subsidiary Jail														
C.F.t. of concrete work			1473	12	100	176	1443½	12	100	173	2	15	1	Error in calculating quantities.
Do. of Brick in Mortar			9700-6	15		1455	10447	16		1671	135	216	123	Do Do Do
Do Concrete Arch work			197-3	22		109	324	20		64	12	9		Do Do Do
Do. Teakwood work including carpentry			45-7½-3		C.F.	16	2874	3	10	C.F.	1765	10	16	68	128	High rate paid for Teak in 1870
Sq.t. Roofing with Teakwood														
complete. Rafters ridge poles battens														
flat and pantiles with mortar			4447	15	Sq.	716	4930	24		100	1158		441	8	8	Do Do Do.
bands Eaves support														
Iron Bolts							18		4	C.	4	8	4	8		Omitted in Original Estimate
Iron Rods for trusses with screw														
nuts and heads complete							8	4			32		32			Do Do Do
Pair half panelled half venetian														
doors with frames bolts locks and														
fastening hooks complete for the			12	10	C.	48	12	40			480					
Court Clerks and Record rooms														
Do. strong half venetian half iron														
barred grated doors for prisoners rooms							5	60			300			60		I Do Do Do
Do for Jailed Do			1	60		36	3	54			162		162			Omitted in Original Estimate
Sq.t. of Teakwood framing							112	8		14	56			28		Error in Calculation
Iron barred ventilators for court			168	5		84	16	14		C.	224		80			High rate was found necessary
house and Record rooms						36										
Sub Magistrate's bench wooden			16	9							297	9	7	2	65	
seats and railings &c.						36										Omitted in Original Estimate
C.F.t. of flooring with concrete and							360	12		100	43	3	2	43	3	2
Jammed																
Sq.t. of Asphalting Jhe inch thick							720	18		Sq.	129	9	7			
Do. flooring with 8 inches square			720	18		Sq.										
bricks bedded and mortar Jor							1160	9			104	6	5			11 9 7
foundation concrete bricken thick																
Rung.t. of ornamental wrought			1160	10		116										
cross Do							60	2	12		Rft.	165				
Sq.t. of Plastering with 2 coats																
in mortar			60	2	12	Rft.	15									
							9112	8		100	229	12	9			33 12 7 Error in Calculation.
Carried over			10163	2	5	Sq.	261									
											7089	10	6	1051	11 10	180 6 2

Old Estimate Sub. Engineer 1872

Revised Estimate Sub. Engineer 1872

Comparative statement showing the differences between the Original and Revised Estimate for Constructing Sub. Magistrate's Court house and Lockup with out buildings at Bolarumba on Wallyah Range of North Road.

Description of work	Original Estimate						Revised Estimate						Differences						Remarks
	Co. Statute of Measurement	Superficial Measurement	Quantity	Rate	Per	Amount	Quantity	Rate	Per	Amount			Increase			Decrease			
										£	s	d	£	s	d	£	s	d	
Brought over						6284				7087	10	6	1031	11	10	180	6	2	
Round wooden ornaments 6 Inches on both sides of trusses			10	1	C	10										10			Mistake in Original Estimate
Rft. of Iron King rod			35	8	Rft	14										14	8		
Iron stirrups with nuts &c			10	2	C	20										20			
Wooden Caps at top joints of principal Rafters			10	2	8	35										35			Mistake in Original Estimate
Sft. of Pointing with Coal Tar			210		Sft	8										8	12		
Squares of wood oil			77	34½		4	18	13											Error in calculation
Earth Work Excavating foundations & filling the same			180		16 Cft	16				39	24		954	87	12				
						6471							85			68	2		
Superintendence & Sundries						332				7262	6	6	1119	13	10	335	4		✓
						180													✓
										737	9	6				184	12	6	✓
										7600			1119	13	10	519	13	10	✓
Cook House																			
Cft. of Brick in mortar			9687½	15		100	1454			9687½	16		100	1554					
Sqrs. of Flooring with 8 inches square bricks bedded in Mortar on a foundation of concrete with 6 inches thick			965½	15		100	145			216	9			14	7			2	27
			216	10		90	21	12											
Cft. of Seakwood										2512½	10			177	4			35	7	8	High rate paid in 1870
Do of concrete			70½	3		Cft	212	11											
Sqrs. of Roofing with Seakwood, Rafters ridge poles battens purlins and Mortar bands			60		2		1	4		70½				7	3			4	10
			360	20			72			360	20			72					
Do plastering with 2 coats in mortar			360	18		90	64	16											
Excavating foundations & filling the same			616	2	8		16	2		575⅞	24			13	15	3			3	3	Error in Calculation
Superintendence & Sundries			220		16 Cft		22	11						10					7	15	Do Do
							495							453	8	5	24	18	2	41	2	2	
Coach House & Stable for Police attending Court										46	7	7		21	5				
Sqrs. of concrete										500				46	2	2	41	2	2
Do Brick in mortar																		6	4
Sqrs. of Plastering with 2 coats in Mortar			754½	12		100	94			49	13			3	1	9			
Do Flooring with 8 inches square bricks bedded in Mortar on concrete & Building Brick			311-4½	15		100	49			3	3	5						5	9
			143-10½	2	8		3	12											
			585	10			85	10		77	3	6				8	9	3	
Carried over							1454			139	11	1		3	1	9	7	5	4

Comparative Statement Showing the Differences between the Original and the Revised Estimate for Constructing Sub. Magistrates Court house and Residence Gaol with out buildings at Bootoorinka on Wallajah Range of North Arcot.

Description of works	Original Estimate						Revised Estimate						Differences						Remarks
	Rs. Estimated	Upon what Quantity	Quantity	Rate	Per	Amount	Quantity	Rate	Per	Amount	Increase		Decrease						
Brought over						11454				139	11	3	17	9	5	4			
Do Rubbing with Palmyra Rafters Seakwood battens Pantiles & Mortar bands	1856	21	-	-	289		1056	16	-	-	168	15	4	-	-	-	84	7	8	
Cost of Seakwood including carpentry	170	3	-	-	511		172 1/8	3	10	-	623	13	5	113	13	5	-	-	-	High rate paid for Seak in 1870
Iron brackets for corners							24	6	-	-	24	-	-	24	-	-	-	-	-	Omitted in Original Estimate
Excavating foundation & filling the same											5	-	-	-	-	-	-	-	-	
Superintendence & Sundries											961	7	10	140	15	2	93	12	-	
											38	8	2	-	-	-	7	32		
											1000	-	-	140	15	2	100	15	2	
Hospital Shed																				
Cost of concrete							193 1/2	12	-	100	23	3	6	-	-	-	15	6		
Do. of Brick in Mortar	193-6	-	2	-	386		1150 3/4	16	-	-	188	15	2	-	-	-	21	3	8	Error in Calculation
Cost of Plastering with 2 coats in Mortar	1101-2 1/4	15	-	-	100		284 1/2	2	4	-	28	7	2	-	-	-	5	11	1	
Do. of asphalting beneath the floor on concrete 3/4 inch thick	365	2	-	8	-															
Do. Roofing with Seakwood Rafters ridge pole straits purlins battens flat and pantile & Mortar bands	512 1/2	18	-	-	92		512 1/2	18	-	-	92	4	-	-	-	-	-	-	-	
Cost of Seakwood	836	18	-	-	150		236	20	-	-	167	3	2	16	11	6	-	-	-	
Do. of Arch work							39-07 1/8	3	10	-	114	10	3	-	-	-	131	1	7	High rate previously paid for wood
Excavating foundation	90-11 1/2	3	-	-	27		39-6 1/2	20	-	100	5	14	6	-	-	-	2	11	3	Error in calculation
Superintendence & Sundries	27-4 1/2	-	36	-	9						4	-	-	2	3	6	-	-	-	
											651	9	9	18	15	-	161	11	1	
											48	6	3	7	12	1	-	-	-	
											700	-	-	26	11	1	161	11	1	
Sinking well 25 ft. deep & 6 ft in diameter																				
Cost of Brick in Mortar for Ring of Wall	17	-	16	Cft	544															
Do. Brick in Mortar					544															
Cost of Plastering with 2 coats in Mortar					845		890-7 1/2	20	-	100	178	2	-	-	-	-	-	-	-	
Cost Excavating the well	890-7 1/2	20	-	100	178	2	1037 1/2	16	-	-	165	14	8	10	5	11	-	-	-	
Sinking a curb of woodberry wood	1037	15	-	-	155	11	1233	2	4	-	27	11	11	-	-	-	3	1	3	
straw Ropes & bailing water &c	1233	2	8	Cft	310		58 24/27	-	4	Cft	14	11	8	-	-	-	29	8	4	Rate before insufficient
Superintendence & Sundries	336	3	-	Cft	84															
					110						140	-	-	-	-	-	-	-	-	
					645	11					426	8	3	10	5	11	32	9	7	
					98	11					33	7	9	7	3	8	-	-	-	
					431	-					460	-	-	17	9	7	32	9	7	
Public Latrine																				
Cost of concrete foundation & Rock											-	-	-	-	-	-	3	6	-	Omitted
											-	-	-	-	-	-	3	6	-	
Cost of concrete	27	-	2	Cft	54															

Carried over

Comparative Statement Showing the Differences between the Originals and the Revised Estimate for Constructing Sub. Magistrates Court House and Gaol with out buildings at Boolooroo for Wallagah Range of North. Areas.

Description of Works	Original Estimate						Revised Estimate						Differences						Remarks
	Reduced Quantities	Unreduced Quantities	Quantities	Rate	Per	Amount	Quantities	Rate	Per	Amount	Increase		Decrease						
Brought over						£ 3 6 -				- -	- -	-	£ 3 6						
Cft. of Brick in Mortar			1231 1/4	15 -	100	29 0 3 3	2304 1/4	16 -	100	376 1 11	85 14 8		- -						
Rft. of Front drain			- -	- -	- -	- -	96 -	6 -	Rft	39 12 -	39 12 -		- -						
Square of Honey Comb work			- -	- -	- -	- -	72/100 5	- -	Sqr	3 9 7	3 9 7		- -						
Sqft. Plastering with 2 Coats in Mortar			- -	- -	- -	- -	338 3/4	2 4 -	100	97 8 9	71 1 9		- -						
Cft. of Teakwood			1057 1/2	2 8 -	Sqr	26 7 6	4 1/2	3 10 -	Cft	197 9 -	137 12 -		- -						
Sqft. Roofing with Palmyra Rafters			17-1/4	3 - -	Cft	59 12 6													
Teakwood Battens and Pandoles																			
Mortar bands and Ridge			900	24 - -	Sqr	216 - -	330	16 - -	100	164 12 9	- - -		51 3 3						
Do Flooring with Asphalt																			
Excavating Foundation			171	18 - -	Yards	84 12 6	174 1/2	20 - -		234 14 6	150 2 -		- - -						
Superintendence & Sundries			22	0 16	Cft	2 4 -				7 - -	4 15 -		- - -						
						682 10 -				1121 4 5	493 3 -		54 9 3						
						37 5 4				78 11 7	41 6 3		- - -						
						710 - -				1200 - -	534 9 3		54 9 3						
Prison Latrine																			
Cft. of Brick in Mortar							2250 3/4	16 - -		376 1 11	87 14 4		- - -						
Rft. of Front drain			192 1/2	15 - -	100	28 8 7 1/2	106	6 -	Rft	39 12 -	39 12 -		- - -						
Square of Honey Comb Work			- -	- -	- -	- -	72/100	5 - -	Sqr	3 9 7	3 9 7		- - -						
Sqft. Plastering with 2 Coats in Mortar			- -	- -	- -	- -	1338 3/8	2 4 -	100	97 8 9	68 4 -		- - -						
Cft. of Teakwood			1172	2 8 -	Sqr	29 11 4	54 1/2	3 10 -	Cft	197 9 -	173 9 -		- - -						
Sqft. of Roofing with Palmyra Rafters teak wood battens and pandoles Mortar bands & Ridge			8	3 - -	Cft	24 - -													
			442	24 - -	Sqr	110 13 -	1030	16 - -	100	164 12 9	58 11 6		- - -						
Do Flooring with Asphalt		3/4 brick Mortar	253	18 - -	- -	45 9 9	1174 1/2	20 - -		234 14 5	159 5 10		- - -						
Excavating Foundation						2 13 -				7 - -	4 3 -		- - -						
Superintendence & Sundries			30	0 16	Cft	2 9 5 12 8				1121 4 5	625 5 3		- - -						
						29 - 16				78 11 7	49 10 9		- - -						
						525 - -				1200 - -	675 - -		- - -						
						1081 12 -				2446 - -	2560 13 1	910 13 7							
Total Rupees						1081 12 -	Amount to be Sanctioned			40 - -	40 - -								
							Balance requiring to be Sanctioned			2500 - -	2600 13 1	910 13 7	1690 - -						

Ast. Surveyor Wallagah Range Office
Ranipett 31st January 1873
Head Quarters Portmalpetta 22. May 1873

Capt. & Pmb.

John Bevan Capt.
District

Captain R.E.
Engineer R. Area

/Signed/ J. Smither.
Sub Engineer
Asst. Wallagah Range of N. Areas

Lieut. Colonel, R.E.
Inspecting Engineer for
Civil & Mily: Buildings.

A Statement is annexed to the Plan for Explanation in detail.

Comparative statement Showing the differences between the Original and Non Revised Estimate for Constructing Sub. Magistrates Court house, and the Erection of Jail without buildings at Bootoorinka on Wallgah Range of North Street.

Description of works	Original Estimate						Revised Estimate						Differences						Remarks
	Rs	Rate of Exchange	Pounds Stg	Rate	Per	Pounds	Rs		Rate	Per	Pounds		Rs		Rate	Per	Pounds		
Clearing Ground																			
Removing Earth																			
Digging Foundations																			
Sub Structure																			
Superstructure																			
Doors																			
Windows																			
Glazing																			
Painting																			
Roofing																			
Flooring																			
Plastering																			
Sundries																			

Trincomalee

North Arcot District

No 1 on Wallajah

Range

Encls: to a letter W. 986 dated 25th August 1873.

Comparative Statement shewing the difference between the Original and the Revised Estimate for constructing Sub Magistrate's Court houses and Subsidiary Gaols with Out Buildings at Poattoor

Revised Estimate Rs 12,500

Original D° 10,810

Amount requiring sanction 1,690

P.W. 4675/73.

Comparative Statement shewing the difference between the Original and the Revised Estimate for Constructing Submagistrate's Court House and Subsidiary Jail with out buildings at Calcutta Town in No. I on the Left Range of Road existing

North Division

Description of works	Original Estimate: No. of Similar works performed	Quantity	Rate	Per	Amount	Revised Estimate: Quantity	Rate	Per	Amount	Difference: Increase	Difference: Decrease	Remarks
Subimagistrate's Court and Subsidiary Jail												
Cubic feet of Concrete work		1419½	12	100	170 4 11	1443½	13	100	187 11	17 6 1		Error in Calculating Quantities
Do Brick in Mortar		9700½	15	-	1455 12	10449	17		1776 5 3	321 4 1		Do Do Do
Do Cambay Arch work		497½	22		109 14	324	21		68 8		41 5 8	Do Do Do
Do Teak wood work in Cutting Carpentry		5557½	3	Cft	1667 11 2	4887-1	3 12	Cft	1826 9	128 13 10		High price to Teak purchased in 1870
Suff^e of Roofing with Teak wood Couples Rafters, Ridge poles, battens, flat and pantiles with Martaban and Gaes Leffords		449	18	100	746 14	4950	2 6		1287	540 8 8		Do Do Do
Bolts						218	12	4	8 4 8	4 8		Omitted in the Original Estimate
Pair Bolts for Trusses with screw nuts and Head 7 feet long						18	4		32	32		Not previously allowed
Pair half panelled half venitian doors with frames, bolt locks and fastening hooks		12	40	E.	480	11	40	E	480			High Rate paid for Teak
Complete for the Court Clerks and Record Rooms												
Do Strong half venitian, half Iron barred graded doors for Prison Rooms		6	60		360	3	60		300		60	One door deep entrench before
Do Fixed Do Do						3	54		162	162		Omitted before
Suff^e of Teak wood framing Iron barred Venitatons for Court Rooms and Prison Rooms		168	8	Sqr	84	112	8	Sqr	56		28	Error in Calculation
Submagistrates bench, wooden Seats, and Railings		16	9	E	144	16	14	E	224	80		High rate paid for Teak
Cft of Flooring with Concrete well Rammed					36				299 9 7		2 6 5	Passed Sum enough
Suff^e of Asphalting ½ thick		720	18	Sqr	129	360	13	100	46 12 9	46 12 9		Omitted in the Original Estimate
Do Flooring with 6 Inches Square Teak bedded in Martaban Lime Mortar 1 thick		1160	10		100 116	1720	19	Sqr	136 12 9	7 3 2		On account of distance
Foundation Concrete 1 thick						1160	10		100 116			
									7001 5	1340 8 7	131 6 8	

Surveyed Calculated by Mr. J. Smith Asst Engineer

Revised Calculated by G. C. No. 14 of 1872

Condemned

Comparative Estimate shewing the Differences between the Original and the Revised Estimates for Constructing Sub Magistrates Court House and Subsidiary Jail with out buildings at Calcutta Town in No. I on the Esplanade

Description of works	Original Estimate: Nos. & Dimensions of each	Quantity	Rate	Per	Amount	Revised Estimate: Quantity	Rate	Per	Amount	Difference: Excess	Difference: Saving	Remarks
												Ranges of Masonry and Roofing
Brought forward					5792 8				7001 5	1340 8	131 12	✓
R.F. of Ornamental Grey Coarse		60	2 12	Rft	165	60	2 12	Rft	165			
Surf.e of Plastering with 2 Coats of Coarse in Mortar		104 65½	2 8	Sqr	261 9	9112	2 8	100	227 12		33 12	Error in Calculation
Rounds Wooden Ornaments 18 to five on both sides of Pinnacles		10	1	E.	10						10	Allowed at this Rate for Finishes
R.F. of Iron King Rod		35	8	Rft	17 8						17 8	do do
Nos of Iron Stanchions with Nuts & Screws		10	2	E.	20						20	do do
Wooden Cases at top Joint of Principal Rafter		10	2 8		25						25	do do
Square feet of Flooring with Coal Tar		240		Sqft	8 12						8 12	do do
Squares of Work Ord		77 31½	4	Sqr	161 2	39	2 4	Sqr	87 12		73 6	Work in excess
Earth work excavating foundations & filling the same		180	16	Cyd	16 14				85 68 2			Premium Sum insufficient
					6478				756 139 14 08 107	320 210		Amount insufficient
Superintendence & Sundries					321 10				1332 3 188 79			
					6800				7700 140 8 10 7	508 10 7		
Cook House												
C.ft of Brick in Mortar		968¼	15	100	145 3	968¼	17	100	164 9 8	19 5 11		High Rate paid for Bricks
Surf.e of Flooring with 8" Cyd Bricks bedded in Mortar on Foundation of Concrete 6 inches thick		216	10		21 9	216	10		21 9 7			
C.ft of Teak wood		70 10	3	Cft	212 8	48 10	3 12	Cft	183 2		29 6	Error in Calculation
Nos of Concrete		60	2		7 8	60	13	100 Cft	7 12 9	49		
Surf.e Roofing with Teakwood Rafters Ridge poles, battens, Pantiles and Mortar bands		360	18	Sqr	64 12	360	21	100	75 9 7	10 12 10		High prices of Materials
do Plastering with 2 Coats in Mortar		646	2 8	Sqr	18 2	575 10½	2 4		12 15 3		3 3	Error in Calculation
Excavating foundation and filling up the same		22	16	Cyd	21				10 7 15			
					419 15				475 10 10 38 66 32 9	10 13 5		
Superintendence and Sundries					25				14 5 2			
					195				490 11 38 66 43 6 6			

Comparative Statement Shewing the Difference between the Original and the Revised Estimate for Constructing Submagistrates Court House and Subsidiary Jail & with out buildings at Caladay Town in No. I on Straight Range of roads and Estimate

Description of works	Original Estimate: Nos. of Rods &c. of Masonry &c. when measured	Original Estimate: Quantity	Original Estimate: Rate	Original Estimate: Per	Original Estimate: Amount	Revised Estimate: Quantity	Revised Estimate: Rate	Revised Estimate: Per	Revised Estimate: Amount	Difference: Excess	Difference: Saving	Remarks
Constructing a Shed for Parties attending Court.												
C.ft of Concrete	78.9	2	Cft	9 13 6		78 3/4	13	100 cft	10 3 9	6 3		
Lee of Brick in Mortar	311.4½	15	100	46 11 3		311.4½	17		52 4 11	6 38		
Suppl. of Plastering with 2 Coats in mortar	162.10½	28	Sqt	3 9 2		162 7/8	24		3 3 5		57	
Lee Flooring with 8. Inches Sqr Bricks bedded in Mortar on Concrete 6 inches thick	858	10	Sqr	85 12 9		858	10		85 12 9			
Lee Roofing with Palmirah Rafters, Teak wood battens, Pantiles and Mortar beads	1056	24		253 7		1056	17		179 84		73 14 8	Lower Rates sufficient
C.ft of Teak wood including Carpentry	170	3	Cft	510		172 1/2	3 12	Cft	645 57	135 57		High Rate paid for Teak Once Used in Original Estimate
Iron brackets for Corners						4	6	E.	24	24		
Excavating foundation and filling the same									5			
Superintendence and Sundries				914 5 9 45 14					1006 9 28 153	165 15 6	74 4 5 16 11 1	
				960					1035	165 15 6	90 15 6	
Hospital Shed												
C.ft of Concrete	193.6	2	Cft	24 3		193½	13	100	25 2 6	156		
Lee of Brick in Mortar	1401-2/4	15	100	210 3		1180 11/16	17		200 12 1		9 6 11	Error in calculation
Suppl. of Plastering with 2 coats in Mortar	1365 3/4	28	Sft	34 23		1264 1/4	24		28 7 1		5 11 2	
Lee Asphalting beneath the floor concrete 3/4 inch thick	252-6	18	Sqr	92 4		572½	19		97 6	5 2		Excess for Carpenters
Lee Roofing with Teak wood Rafters Ridge poles, Struts purling battens flat and pantiles in Mortar beads	836	18		150 4 8		836	21		175 8 11	25 13		
C.ft of Teak wood	90-10-10½	3	Cft	272 11 6		39 7/8	3 12	Cft	149 8 6		123 3	
Lee of Arch work	39.4½	36		8 9 5		29.6 7/8	21	100	6 3 2		2 6	Error in calculation.
Excavating foundation	19	16	Cft	1 12 6					4	2 3 6		
Superintendence and Sundries				794 5 11 40 11 8					687 3	133 6 3	140 11 8	
				835					17 159		22 10 7	
									705	33 6 3	163 6 3	
Sinking a well 25 feet deep 5 feet Diameter												

Comparative Statement shewing the Difference between the Original and the Revised Estimates for Constructing Submagistrates Court House and Subsidiary Jail with out buildings at Calicut taken in No. I on Road Range of Mats. Road Division

Description of works	Original Estimate: No. Rooms of similar dimensions	Original Estimate: Length	Original Estimate: Ratio	Original Estimate: Per	Original Estimate: Amount	Revised Estimate: Length	Revised Estimate: Ratio	Revised Estimate: Per	Revised Estimate: Amount	Difference: Excess	Difference: Deficiency	Remarks
C/f of Brick in Mortar for Ring of Well		890 7/12	20	100	178 2	890 5/8	21	100	187 6	8 14 6		
Do of Brick in Mortar		1037	15	-	155 8 9	1037	17	-	176 4 8	20 11 11		
Suppl. of Plastering with 2 Coats in Mortar		1233	2 8	Sqr	30 1/32	1233	2 4	-	27 11 11	- - -	3 1 3	
C/f of Excavating the Well		236	- 3	Cyl	44 4	58-24/12	- 4	Cyl	14 11 8	- - -	29 8 4	Error in Calculation
Sinking a well Goose Curry Wood, Straw Ropes, bailing water				-	40				40			
					448 11 11				445 12 9	29 10 5	32 9 7	
Superintendence and Sundries					26 4 1				14 33	- - -	12 - 10	
					475				460	29 10 5	44 10 5	
Public Latrine												
Suppl. of Concrete foundation to posts		27	- 2	Cyl	3 6						3 6	
Do of Brick in Mortar		1034 8/12	15	100	290 33	2350 3/4	17	100	399 10	109 69		Alteration in design
Do feet of Front Drain						106	6	Rft	39 12	39 12		
Sqr of Honey Comb work						72/100	5	Sqr	3 9 7	3 9 7		Error in Calculation
Suppl. of Plastering with 2 Coats in Mortar		1057/12	2 8	Sqr	267	4335 3/8	2 4	100	97 8 9	71 19		Alteration in design
C/f of Teak wood		19-11/12	3	Cyl	57 13	54/12	3 12	Cyl	204 6	124 9		
Suppl. of Roofing with Palmerah Rafters Teak wood battens and Pantiles Mortar bands & Ridge		900	24	Sqr	216	1030	17	Sqr	175 1 7	- - -	40 14 5	Do Do
Flooring with Asphalt 3/4" mix thick		471	18	-	84 12 5	1174/12	21	-	246 10 4	161 13 11		Do Do
Excavating Foundations		22	- 16	Cyl	2 1				7	4 15		
					682 11 8				1173 10 3	535 4	44 4 5	
Superintendence and Sundries					37 5 4				26 57	- - -	10 15 7	
					720				1200	535 4	55 4	
Prison Latrine												
C/f of Brick in Mortar		1921/12	15	100	288 3 7	2350 3/4	17	100	399 10	111 6 5		High price of Bricks
Do feet of Front Drain						106	6	Rft	39 12	39 12		Do Do
Sqr of Honey Comb work						72/100	5	Sqr	3 9 7	3 9 7		
Suppl. Plastering with 2 Coats in Mortar		1272	2 8	Sqr	31 12 9	4335 3/8	2 4	100	97 8 9	65 12		Alteration in design
		Carried Over			320 4				540 5 4	220 8		

Comparative Statement Shewing the Difference between the Original and the Revised Estimate for Constructing Submagistrate's Court House and Subsidiary Jail with and buildings at Galaculy Tavern in No. I on the Colpetty Range of North Coast District

Description of works	No. of Rods of Masonry or Cubic Feet of Timber &c. &c.	Quantity	Rate	Per	Amount	Quantity	Rate	Per	Amount	Decrease	Increase	Remarks
		Brought forward			320 - 4				540 8 4	220 8 -	- - -	
Cft. of Teak wood		8	3 - -	Cft.	24 - -	54½	3 12	Cft.	204 6 -	180 6 -	- - -	Alteration in design
Sft. of Roofing with palmirah Rafters, Teak wood, battens and pantiles Mortar beads and Ridge		442	24 - -	5/0	106 1 3	1030	17 - -	100	175 1 7	69 - 4	- - -	do do
do Flooring with Asphalt 3/4 inch thick		253	18 - -	"	45 8 7	1174½	21 - -		246 10 4	201 1 9	- - -	do do
Excavating foundation		30	- 1 6	Cyd.	2 13 -				7 - -	4 3 -	- - -	
					498 7 2				1473 10 3	675 3 1	- - -	
Superintendence & Sundries					26 8 10				26 5 9	- - -	3 1	
Sundries — do —					" - -				10 - -	10 - -	- - -	
					525 - -				1210 - -	685 3 1	- 3 1	
Grand Total					10812 - -				12800 - -	2896 8 4	906 8 4	
Compensation for land					" - -				1000 - -	1000 - -	- - -	
Total					10810 - -				13800 - -	3896 8 4	906 8 4	
Balance												Requiring to be Sanctioned Rupees 2990 - -

No. 1 or Wallaja Range Office
Ramipett 31st January 1873

Signed R. Ranyard
Captain R.E.
Dist. Asst. Dist. Supt.

District Supt's Office
Poothalpett 22nd May 1873

Signed F. Smither
Sub. Engineer
No. 1 or Wallaja Range of N. Coast

Lt. and Colonel R.E.
Superintending Engineer for
Civil & Misc. Buildings

OFFICE OF THE INSPECTING ENGINEER
FOR CIVIL AND MILITARY BUILDINGS,
Chepauk, 23 August 1873.

No. 986

From

The Inspecting Engineer,
for Civil and Military Buildings

To

The Secretary to Government
Public Works Department

SIR,

Enclosures 6.
3 abstract estimates
3 Comparative statements.

I have the honor to forward revised estimates accompanied by comparative statements for completing the undermentioned Cutcherries in the North Arcot District:

Deputy Tahsildar's Cutcherry and Subsidiary Jail at Vengatagiri Kottah Rs. 13950
Second class Sub Magistrate's Cutcherry and Jail at Poolloor ——— " 12500
Do. ——— Do. Calastry ——— " 13800

These exceed the original estimates by Rs 2720, Rs 1690 and Rs 2990 respectively for which sums sanction is now requested

2 In the case of the Vengatagiri Kottah Cutcherry the excess is owing to the District Engineer having allowed higher rate and

Provincial

North Arcot District

Wallajah Taluq

Estimate in a letter dated 25th August 73.

Comparative statement shewing the difference between the original and revised Estimate for the undermentioned Court House & Subsidiary Jail with out-buildings at Vengatagiri Taluq.

Revised Estimate Rs. 13800.
Original Estimate 10810.
Excess 2990

Abstract Estimate 2990
P.W. 4 Bys/73.

No. 7728 Rh Dated

and to the substitution of brick in chunam for brick in mud in the cook room and ryots shed. The latrine has also been revised in accordance with the Coimbatore plan.

3. The comparative statements of the Pollor and Calastry Cutcherries show that the excess in each case is due to numerous small errors and omissions in the original estimate, to the high price paid for teak wood, and to alteration of design in the latrines. It has also been necessary to add 1000 Rs to the estimate of the Calastry Cutcherry on account of compensation to be paid for land.

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

153

P. W. 1873 Ks Department

No. 986 / No. 4675

From The Inspecting Engineer for Buildings

To The Secretary to Government P.W. Department

No. 2728 - 8 Encls.

Dated 23 August 1873.

Recd. 25 "

Forwards for sanction revised estimates accompanied by Comparative Statements for completing the Contractor's Surveyor's Post Office & Laboratory Buildings in the North Street District

No. 129

Copied 6 Oct 26 Aug 73

No. 2728 P.W. Department

Encl 8

From The Madras Government

Read the following

From The Superintending Engineer for Buildings (P.W.D. No. 1986 dated 23rd August 1873)

To do do. (" " " 1260 dated 2nd Oct 1873)

With the first of the letters above recorded the Inspecting Engineer for Buildings submits revised estimates for the undermentioned Cutcherries in the North Street District the grants

a and expenditure on
which are shown in
the following statement.

Work	Amount of Revised Estimate	Expenditure prior to 1872/73.	Allotment of 1872/73	Expenditure in 1872/73	Allotment for 1873/74
Subsidiary Jail at Venkatagherri Kotah	13,950	570	4,000	"	6,900
Sub Magistrates Cutcherry and Jail at Poolloor	12,500	4,937	5,873	1,800	5,000
Do. at Calastry	13,800	6,216	4,594	"	5,000

As in the case of the Cutcherries at Poloor and Coopum, the Revised Estimates for which came under

the consideration of Government in G.O No. 1710 of 2nd July last, the necessity for these supplemental demands has arisen chiefly from the original rates having been arbitrarily reduced in the late Superintending Engineer's office without reference to the Range Officers concerned. His Excellency

the Governor in Coun-
cil sanctions the revised
estimates; but he can-
not but notice with
regret that the grants
made for the works in
the past year should
~~have the~~
~~partly perhaps owe~~
~~management & the~~
~~want of the change of~~
~~above noted~~
~~Officers~~, have remained
unutilized, although
made in accordance with
special and repeated de-
mands.

Lt. W.

No. 129-31.

To H. E. Governor
" Dr Engr Staff
" Cantonments & Ab. Est. Officer
" Insp. Genl. Police
" Revenue "
Darjeeling the 5 C. 14/11/31.

P.C. No. 5452-4075

Govt. of 1873 Madras.

PUBLIC WORKS.

To

The Inspecting Engr
for Buildings &c.

Dated

Rec'd. 11.12 Encl. 3

G. O. 8 Nov. 1873 No. 2738.

Nos. 129 to 131

Sub Jails Fisheries in
the South Arcot Dt. Pubg
Orders in favour of Sub Jails and
Pubn Sub Jails and
Fisheries.

P-129-31.