Judicial (1895) Department.

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G.O., No 1491

Dated 15 july 1895

INDEXED.

[Despatch Abstract.]

CENTRAL JAILS, RAJAHMUNDRY AND CANNANORE.

Approving the proposals of the Inspector General of Prisons for replacing the wooden railings at the---by iron railings, and requesting the Public Works Department to arrange for the preparation of plans and estimates in respect of the masonry walls proposed to be erected at the Rajahmundry Central Jail.

BACK PAPERS

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.
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Govt. of {1895} Madras.

JUDICIAL.

Issued

Recd. *Encl.*

G.O., 15th July 1895, No. 1491.

JULY.

Central Jails, Rajahmundry and Cannanore.

Approving the proposals of the Inspector-General of Prisons for replacing the wooden railings at the — by iron railings, and requesting the Public Works Department to arrange for the preparation of plans and estimates in respect of the masonry walls proposed to be erected at the Rajahmundry Central Jail.

15TH JULY 1895, No. 1491, JUDICIAL.

GOVERNMENT OF MADRAS.

JUDICIAL DEPARTMENT.

READ—again the following paper :—

G.O., dated 22nd February 1894, No. 452, Judicial.

READ—also the following papers :—

From A. G. CARDEW, Esq., M.A., Inspector-General of Prisons, to the Chief Secretary to Government, dated Ootacamund, 27th March 1895, No. 1729.

In accordance with the directions contained in G.O., dated 22nd February 1894, No. 452, Judicial, I have the honour to submit alternative estimates prepared by the Public Works Department for replacing the wooden palisades at the Rajahmundry Central Jail by (1) masonry walls, (2) iron railings.

2. The estimates for providing masonry walls amounts to Rs. 19,300. The walls would be 8 feet high by 1½ feet thick. As the main object of such dividing walls is to stop a rush of convicts from one yard into another, no wall less than 8 feet high would be of any use. In the Private Secretary's memorandum, dated 31st March 1891, recorded in G.O., dated 22nd April 1891, No. 780, His Excellency the Governor remarked that the partitions between the yards in the Vellore and Coimbatore Central Jails were very insecure and would not withstand any concerted effort on the part of the prisoners. These partitions consist of masonry walls, which, at the Vellore Central Jail, average about 7½ feet and at the Coimbatore Central Jail about 6½ feet and in G.O., dated 26th June 1891, No. 1276, the Government approved of the substitution of iron railings for these walls. Estimates for this work were ordered to lie over in G.O., dated 6th September 1893, No. 1821, Judicial. In these circumstances, the construction of masonry walls appears to be contrary to the decision already arrived at by Government, and I am now of opinion that walls 8 feet high would unduly interfere with ventilation and might prove seriously prejudicial to health. I, therefore, deprecate the adoption of this estimate.

3. The alternative estimate for providing iron railings amounts to Rs. 50,000. After seeing a small piece of railing on the same pattern, which has lately been built to enclose the kitchen yard at the Coimbatore Central Jail, I am of opinion that the plan proposed is not satisfactory. The railing is unnecessarily high. It is proposed to be 8 feet high excluding the horizontal bars with revolving spiked balls. This height might be reduced to 6½ feet, thereby lessening cost. On the other hand, the masonry pillars every 12 to 14½ feet are a source of weakness, as their smooth tops would make the railing much easier to climb. If the railing were reduced to 6½ feet, excluding the horizontal bar with revolving spiked balls, and if the pillars were removed, old iron rails being used instead, this plan of palisading would be very effective.

4. The Superintending Engineer in his letter No. 2434-G.D., dated 16th March 1895 (copy enclosed), suggests a third alternative, viz., the use of certain patent unclimbable steel palings. He encloses an illustration of this. Without seeing the paling, it is difficult to judge whether the "toothed" or "serrated" edge is really efficient, but it seems likely that a railing of this material 7 feet high, would prove a sufficient obstacle even to natives. According to the Superintending Engineer it would be a good deal cheaper than the wrought-iron railings.

5. If the Government decides in favour of the unclimbable steel palings, the necessary steps should apparently be taken in the Public Works Department to obtain the required supply by indent on England. If, however, the wrought-iron railings are preferred, I would request that the modifications in the estimate suggested in paragraph 3 may be approved.

Note by the Chief Engineer, Public Works Department, dated Ootacamund, 9th May 1895.

From A. G. CARDEW, Esq., M.A., Inspector-General of Prisons, to the Chief Secretary to Government, dated Ootacamund, the 18th June 1895, No. 3488.

I have the honour to acknowledge the receipt of Mr. Davidson's memorandum, No. 1355, dated 11th June 1895, forwarding a catalogue of Bayliss, Jones and Bayliss, in order that the form of railing to be adopted in the Rajahmundry Central Jail and other jails may be further considered.

2. The Superintending Engineer, I Circle, in the letter, No. 2434-G.D., dated 16th March 1895, suggested the adoption of a patent unclimbable steel paling made by Messrs. Bain & Co. This paling with a serrated edge along both uprights and horizontals would doubtless form an excellent fence, but the cost appears to be prohibitive. For the total distance of 1,668 yards required at the Rajahmundry Central Jail the bare cost of the railing would, at 1*s*. 1¼*d*. per rupee, appear to amount to be following, viz.:—

	RS.
6 feet high at 17*s*. per yard	25,681
7 ,, at 18*s*. ,, ...	27,192
8 ,, at 19*s*. ,, ...	28,702

2. The freight from Loudon to Cocanada may be taken at 25 per cent. on the above cost, to which must be added the cost of conveyance from Cocanada to Rajahmundry and the cost of erection. It is evident that the total amount would not fall short of Rs. 40,000.

3. In view of the largeness of this sum, it is proposed to confine the use of Bain's steel paling to the inner circle, in which direction any combined attempt by convicts would be probably made. The extent of the inner circle at the Rajahmundry Central Jail is only 193 yards and the cost of Bain's steel paling, 8 feet high, for this distance would be Rs. 3,321.

4. The major part of the area for which fresh railings are required in the Rajahmundry Central Jail relates to the outer circle which measures 1,103 yards. For this it seems necessary to select a cheaper form of railing, and after consulting the Chief Engineer, it is proposed to recommend the adoption of Messrs. Bayliss Jones and Bayliss' No. 112-D. on page 92 of their catalogue fitted with two rows of barbed wire as shown in No. 112-W. on page 95. The cost of the railing 6 feet high delivered at Liverpool is 8*s*. per yard; to this has to be added 4*d*. a yard for the barbed wire and 2*d*. a yard for stays and winders, making 8*s*. 6*d*. per yard altogther, and the value of 1,103 yards at 8*s*. 6*d*. appears to be Rs. 8,491.

5. Besides the inner and outer circle the estimate submitted with my letter No. 1729, dated 27th March 1895, deals also with the approach from the main gate to the tower and with the hospital enclosure. The hospital enclosure may, I think, be left out of account altogether. The existing wooden paling may remain and can be repaired with sound portions of the wooden paling to be removed from other parts of the jail. Information as to the exact length of the approach from the main gate to the tower is not available, but it is taken at 200 yards. For this a masonry wall, 8 feet high, will suffice, the cost of which can be ascertained from the estimates now before Government. It will be approximately Rs. 2,400.

6. If these proposals are accepted, the cost of replacing the wooden railings in the Rajahmundry Central Jail in the manner proposed will be as follows :—

	RS.	RS.
Bain's steel palings, 8 feet, for inner circle	3,321	
Freight at 25 per cent. on Bain's steel palings, 8 feet, for inner circle	830	
Carriage and erection, say, 25 per cent.	830	
		4,981
Bayliss' iron railings 112-D. with two lines of barbed wire 112-W., stays and winders	8,491	
Freight at 25 per cent. on Bayliss' iron railings 112-D. with two lines of barbed wire 112-W., stays and winders ..	2,123	
Carriage and erection, say, 25 per cent.	2,123	
		12,737
Masonry walls, 8 feet high, for passage between gate and tower according to distance, say, 200 yards		2,400
Total ..		20,118

or in round figures Rs. 20,000 which it will be seen is only a little more than the lowest of the three estimates submitted by the Superintending Engineer, I Circle. In these circumstances I hope that these suggestions may be favourably considered.

7. I beg to add that the wooden railings at another Central Jail, that at Cannanore, are in an equally bad state with those at the Rajahmundry Central Jail and are in urgent need of replacement. Should the Government approve of the present proposals, a similar scheme for the Cannanore Central Jail will be submitted. The distances are less, and the expenditure will be considerably smaller as the following figures show :—

	RS.	RS.
Inner circle, 167 yards, Bain's steel palings 8 feet at 19*s*. per yard	2,874	
Freight and erection at, say, 50 per cent.	1,437	
		4,311
Outer circle, 786 yards, Bayliss' iron railings 6 feet, 112-W.	6,051	
Freight and erection	3,025	
		9,076
Total ..		13,387

By these arrangements the two jails, Rajahmundry and Cannanore, can be provided with permanent railings at a cost (Rs. 33,500) which is considerably less than would be required to provide a single jail with Bain's steel palings throughout.

8. Messrs. Bayliss, Jones and Bayliss catalogue is herewith returned.

Note by the Chief Engineer, Public Works Department, dated 6th July 1895, No. 520-D.

ORDER—dated 15th July 1895, No. 1491, Judicial.

The Inspector-General's proposals are approved and the Public Works Department will be requested to arrange for the preparations of plans and estimates in respect of the masonry walls, which it is proposed to erect at the Rajahmundry Central Jail.

1 2. The steel palings and iron railings which will be required should be procured by means of an indent prepared by the Jail Department, in which it should be explained that, if possible, even at the cost of a little delay, they should be shipped direct to Cocanada and Cannanore, respectively.

(True Extract.)

Chief Secretary.

To the Inspector-General of Prisons with catalogues.
" Public Works Department.

Exd. Shaik Kareem.

No. 2434 G.D.

1

From
A. H. Garrett Esq.
Superintending Engineer
Ist Circle

To
The Inspector-General of Prisons.
Dowlaishweram, 16 March 1895.

Sir,

Referring to the correspondence ending with your telegram dated 8th instant, I have the honour to forward the alternative estimates called for.

2. If masonry walls are considered objectionable on account of the obstruction they offer to the free circulation of the air I should recommend in preference to the wrought-iron railings the "Lochrin" unclimbable Steel Paling.

3. I enclose an illustration (to be Kindl
returned) of this paling taken from the ca
-logue of Bain & Co- 8. Victoria Street, West
The paling seems to be well adapted for
in Jails and its cost should be under Rs 3
so that it is considerably cheaper than th
-posed wrought-iron railing.

I have etc
(Signed) A. H. Garrett
Superintending En
Ist Circle

(True Copy)

A. G. Cardew
Inspector General of Prisons

189 5
Jud Dept.
No. 0
To 1607

P. W. D. Form,
No. M 204.

ESTIMATE FORM.—Detail Measurements.

Detail of Work	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
g the existing Palisading g Gates.						
the existing palisading the outer circle.		3310			3310	
ng the approaches.		800			800	
round the inner circle		580			580	5
ng Hospital enclosure		315			315	
Total Rft of removing palisading work					5005	or 5005 Units
io Chunam work.						
sonry wall around to	1	3310	3-0	2.5	24825.0	
t the ng the approaches	2	396.5	3.0	2.5	5947.5	
m wa und the inner circle	1	580.0	3.0	2.5	4350.0	
Hospital enclosure	1	315.0	3.0	2.5	2362.5	
knes of gate pillars	2×18	3.5	0.5	2.5	157.50	
o — for pilasters	163	3.5	0.5	2.5	713.12	
Total					38355.62	
ductions.						
ways 3'-5" wide	2	1.5	3	2.5	22.50	
— 8-0 do	12	6.0	3	2.5	540.0	
— 10-0 do	4	8.0	3	2.5	240.0	
Thickness of already lls from inner ards.	9.5	3	2.5			
osure. ds to the outer circle ys	1	273.0	2.35	"	641.55	
deductions	2×18	4.0	1.5			
			2.0			

Date 6th March 189

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.
1	2	3	4	5	6
Random rubble (1st sort) in chunam					
Wall all round the outer circle excluding pillars of the 4 gates	1	3294	1.5	8.0	39528.0
Walls along the approaches	2	398.5	1.5	8.0	9564.0
Wall around the inner circle excluding pillars of the 11 gates	1	536.0	1.5	8.0	6432.0
Wall along the hospital enclosure excluding pillars of the 3 gates	1	303.0	1.5	8.0	3636.0
Gate pillars	2x18	2.0	2.0	9.0	1296
Coping to Do	2x18	2-6	2-6	1-0	225.0 ~~243.36~~
Pilasters	163	2-0	0-5	8-0	[illegible]
Total.					
Deductions.					
Deduct for 3-6" gate ways	2	3-6	1.5	8-0	
—Do— for 8-0 do do	12	8-0	1.5	8.0	
—Do— for 10-0 do do	4	10.0	1.5	8.0	40
—Do— for the thickness of already built stone walls from inner circle to the wards	9	1.5	1.5	8.0	162
Do—Do— from wards to the outer circle	9	1.5	1.5	8.0	162
Total deductions.					2040 2042
Total random rubble in chunam work less d					[illegible]

139 5
Jud Dept.
No. 0
1607

P. W. D. Form,
No. M 204.

ESTIMATE FORM.—Detail Measurements.

Detail of Work	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
rki Pointing work (Contd). 13ft.					64778.0	✓
all, along the Hospital enclosure luding pillars of the 3 gates.	1x2	303.0	"	7.0	4242.0	✓
te Pillars.	2x18	6.5	"	9.0	2106.0	✓
o— on the 4th side above wall.	2x18	1.5	"	2.0	108.0	✓
lasters.	163	1.0	"	8.0	1304	✓
Total Pointing square feet.					72538.0	✓
Deductions.						
ct for 3·6" gate ways	2	3·6	"	7.0	49.0 ~~490.0~~	
— for 8·0 do do.	12	8.0	"	7.0	672.0	
— for 10·0 do do	4	10.0	"	7.0	280.0	✓
for the thickness of already stone walls from inner the wards.	9	1.5	"	7.0	94.5	✓
m wards to the outer circle.	9	1.5	"	7.0	94.5	
Total deductions					1190 ~~1631.0~~	
Pointing work square feet less deductions.					71348 ~~70907~~	713.50 or ~~709~~ Units.
stering (3 coats)						
all round the outer circle two 3-6" & two 8-0" gate ways pillars	1	3241	2.35	"	7616.85	✓
g the approaches.	2	398.5	2.35	"	1872.95	✓
nd the inner circle two 8ft & one 10ft gate way	1	446.0	2.35	"	1048.1	✓
the Hospital enclosure two 10ft gate ways llars	1	273.0	2.35	"	641.55	
uctions	2x18	4.0	1.5			

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Cut stone work.						
Cut stone in gate pillars for fixing hinges at 6 per each gate way—	6×18	1-0	1-0	0-75	81-0	
Cft of cutstone work					81.0	or 81 ci
Wrought iron work.						
Iron work for gates as per separate Estimate (without spikes)					15174.00 ~~1715.19~~	
lbs of wrought iron work					15174.00 ~~1715.19~~	or 17
Painting work.						
Painting the gates ~~+ wood walls~~					1624 ~~1715.0~~	
Sft of Painting work.					1624.0 ~~1715.0~~	or 1
Fixing the gates						
General Charges						
Petty Supervision						
Contingencies						

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	TOTAL.
1	2	3	4	5	6
		RS.		RS.	RS.
Units	Removing the Existing Palisading	0-0-6	Rgft	156 ✓	
do	Concrete in chunam work	13.10.0	100cft	5071 ✓	
do	Random rubble (1st sort) in ch.	15.0.0	do	8993 ~~9000~~	
do	Surki pointing work	2-8-0	100sft	1784 ~~1773~~	
do	Plastering work (2 coats)	3-8-0	do	407 ✓	
do.	Cutstone work in chunam	54-0-0	100cft	44 ✓	
[illegible]	Wrought iron work	0-1-9	lb	1659 ~~1877~~	
do	Painting work	3-9-0	100sft	57 ~~64~~	
	Earthwork excavating foundations			200	
	Fixing the gates			100	
	General charges	2-0-0	cent	34 ~~40~~	
				18505 ~~18729~~	
	Petty Supervision	2-8-0	cent	460 ~~467~~	
	Contingencies			335 ~~304~~	
	Total Estimate Rs				19300 ~~19500~~

Supg. Engineer 1st Circle.
Dated 17th March 1895

Grand Total of Estimate Rs. 19300 ~~19600~~

1895.

17/3/95

Date 6th March 1895

(E. No. 123.)

SUPERINTENDING ENGINEER, No. 3/1848 12 MAR 95 FIRST CIRCLE.

CIRCLE— First

DIVISION— Eastern

DISTRICT— Godavari

TALUK (OR ESTATE IN CASE OF ESTATE WORKS.)

ESTIMATE FORM.—Abstract.

Financial Head— Provincia

Budget Head— Civil Buil

Departmental Head— Origina

Main Head— Jails

Sub-Head—

Project of which the work forms part—

Section—

Name of Work— Replacem existing wooden Palig the Central Jail at Rajmun with masonry walls & iron

Amount of Estimate, Rs.— ~~19500~~ 19300

To be carried out by— D.P.W.

REFERENCES.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	MEASUREMENTS IN FEET.			Area or Contents.	Qu des of
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	
Concrete in chunam						
Under intermediate pillars of outer circle	246					
do do do of approaches	61					
do do do of Inner circle	28					
do do do of Hospital enclosure	18					
do Gate pillars (18×2)	36					
Total	389	3.75	3.75	2.5	13675.75 ✓	or 13
Random rubble (1st sort) in chunam						
Intermediate pillars of outside circle	246					
do do of approaches	61					
do do of inner circle	28					
do do of Hospital enclosure	18					
Total	353	2.25	2.25	8.0	14296.5 ✓	
te pillars 2×18	36	2.25	2.25	9.0	1640.25 ✓	
Coping to all pillars (Hemi-sphere)	389	Solidity 3.0 (round)			1167.00 ✓	
Total c. ft. of cutstone in chm.					17103.75	✓ or 171
Pointing work						
Intermediate pillars	353	9.0	..	8.0	25416 ✓	
Gate do	36	9.0	..	9.0	2916 ✓	
Total Sqr. ft. of pointing work					28332	✓ or 28.3
Plastering (2 coats)						
Round tops of Gate & intermediate pillars	389	Surface area 8.0			3112	✓ or 31
Cutstone work						
At the hinges for gates	6×18	1.0	1.0	0.75	81.0	.81

March 189

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7

Report to accompa

for replacing the existing wooden

in the Central Jail. Rajahmund

iron railings. Estimate 57000 Rs 57000.

The estimate provides for

the existing Teak wood palisadings

jahmundry Central jail which are

or less decayed & constructing an iron ra

of the same design as that sanctioned

Coimbatore jail (vide tracing attached)×

The railing will be formed of T iron upr

$1\frac{1}{2} \times 1\frac{1}{2} \times \frac{5}{16}$" and horizontal bars 3" × $\frac{1}{2}$" sectio

In order to prevent prisoners from scali

the railings it is proposed to fix one vertica

bar $1\frac{1}{4}$" square at every $2\frac{1}{2}$' to carry a rounda

1" rod on which will be a series of wooden whe

5" diameter. each with 5 spikes.

Masonry pillars have been provided for

at intervals of 12' to 14-6" from centre to centr

× not recd.
A.G.J.

Engineer 1st Circle
6 March 1895.

palasading

Date 6th March 1895.

J.T.

Report to accompan

for replacing the existing wo

in the Central Jail Rajahm

Masonry walls. Estimate

The Estimate provides

the existing teak wood palisa

-mundry Central Jail whic

less decayed and construct

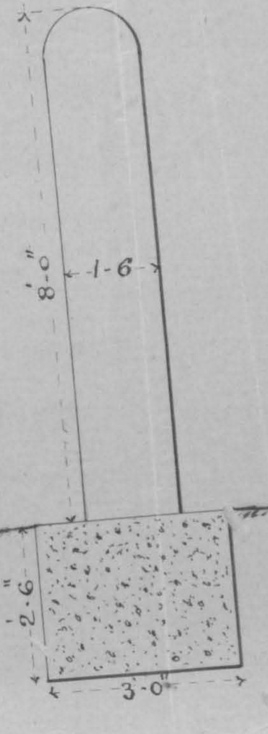
Stone in mortar walls 8 ft h

in place there of.

A Sketch of the walls prov

the Estimate is given below

length excluding gate ways.



scale 3=1

Supp. Engineer 1st Circle.
Dated 17th March 1895

J.T.

Deta

work for vertical
for
for zontal
for Do
Do Spik
Do agnals
reocts
Do
work bolt
teak wood bat
Do over 10
Do Do 8
Do Do 3½
halasading

Date 6th March 1895.

P. W. D. Form,
No. M 204.

P. W. D. Form,
No. M 204.

ESTIMATE FORM.—Detail Measurements.

...tail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
...ork for 8 feet gate						
... vertical bars	6	9.3	0-1¼	0-1¼	291.37 ✓	
...or Do	12	8-1	1½×1½	× 5/16	271.60	
...rizontal bars	2	8-2	0-3	0-½	81.65 ✓	
Do	1	8-2	0-1	diar	21.40 ✓	
...r Spikes	100	0-9½	0-¾	"	116.85 ✓	
...agnals	2	5-8	0-2	0-¼	18.92 ~~19.08~~	
...rivets	30 ~~40~~	0-3½	0-½	diar	5.74 ~~7.65~~	
Do	30 ~~40~~	0-2	0-⅜	"	1.84 ~~2.46~~	
...bolt	1	1-6	0-1	0-1	5.01	
...on for ... gudgeons	6	1-9	0-1½	0-1½	78.85 ✓	
do	6	0-5	0-1	dia	6.55	
Do f...						
Do for	6	0-6	0-1½	0-1½	22.53 ✓	
	6	0-6	0-1½	0-¾	11.25 ✓	
	1	1.1	0-9	0-⅜	11.25 ✓	
	1	0-5	0-2½	0-½	1.79 ✓	
...od work						
...a teak wood ba...	1	0-6	0-¾	"	0.73 ✓	
Do ...	1	1-0	0-1½	0-½	2.50	
Do ...					7.17 ~~7.48~~	
...halasa...					957.00	
Do horizontal bars	1	3900...				
Do Square bars	1595 ~~943~~	9-0	0-5	"		5981-0 ~~7801.3~~
C.O						11631-0 ~~12954-6~~

83.12
~~666.41~~
7.12 or 346...
-10-6 or
2-9-1

Date 5th March 1895.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Length.	Breadth.	Depth.	Area or Contents.	Total Quantity each descript of Wo
1	2	3	4	5	6	7
Broughtover					1021.74 ~~1064.41~~ rd	114 ~~116~~
Flat iron for diagnals	2	6-4	0.2	0.¼	21.15	
Round iron for rivets	40 ~~30~~	~~7~~ 0.3½	0.½	diar	7.6 ~~5.7~~	
Do Do	40 ~~30~~	0.2	0.3/8		2.45 ~~1.84~~	
Square for cross bolt	1	1.6	0.1	0.1	5.0	
Do for judgeons	6	1.9	0.1½	0.1½	78	
Round iron for Do	6	0.5	0.1	diar	6.5	
Square iron for Do	6	0.6	0.1½	0.1½	22.55	
Flat iron for Do	6	0.6	0.1½	0.¾	11.2	
Sheet iron for locking cover	1	1.1	0.9	0.3/8	11	
Flat iron for asp	1	0.5	0.2½	0		
Round iron for staple	1	0-6	0.¾			
Flat iron for cross bolt hoops	1	1.0	0			
Nuts & washers &c						
Total lbs for one ga						
Total lbs for 4 gat						
Iron work for 3'-6" gate						
Square iron for vertical bars	3					
Do Do	6					
Do horizontal bars						

P. W. D. FORM,
No. M 204.

Detail of Work.	Number.	Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Broughtover					439.73	16284.00 rd ~~16480.00~~
n for judgeons	3	0-5	0-1	diar	3.27	
for do	3	0-6	0-1½	0-1½	11.26	
iron for do	3 ~~6~~	0-6	0-1½	0-¾	5.62 ~~11.25~~ rd	
n for locking cover	1	1-1	0-9	0-3/8	11.25	
n for asp	1	0-5	0-2½	0-½	1.79	
iron for hook	1	0-6	0-¾	diar	0.73	
iron for cross bolt hook	1	1-0	0-1½	0-½	2.50	
nd washers &c					8.85 ~~8.22~~ rd	
Total lbs for one gate					485.00 ~~490.00~~ rd	
Total lbs for 2 gates						970.00 rd ~~980.00~~
work for palisading						
n for horizantal bars	2	4071.0 ~~3988.5~~	0-3	0-½	40710.00 ~~39886.0~~ rd	
n for Do	1	4071.0 ~~3988.5~~	0.7	diar	10666.02 ~~10449.87~~	
iron for vertical bars	1595 ~~1947~~	9-3	0-1¼	0-1¼	77457.18 ~~94551.18~~ rd	
Do for Do	6392 ~~7777~~	8-1	1½×1½	× 5/16	144692.25 ~~176019.42~~ rd	
Do for spikes	47820 ~~58332~~	0-9½	0-¾	diar	55877.67 ~~68160.94~~ rd	
Total						329383.12 rd ~~389066.41~~
Grand total lbs						346637.12 or 346637 ~~406526.41 or 406526~~
de work						
a teak wood balls	9564 ~~4466~~	0-5	0-5	0-5	691-10-1 ~~843-10-8~~ rd	
Do ~~over 10'~~ gates ~~4 × 25~~	100 ~~336~~	0-5 ~~0-4½~~	0-5 ~~0-4½~~	0-5 ~~0-4½~~	7-2-9 ~~17-8-7~~ rd	
Do ~~D 8~~ Do 12×20	240 ~~16~~	0-5	0-5	0-5	7-4-4 ~~7-1-10~~ rd	
D — D 3½ — D — 2×10	20	0-5	0-5	0-5	1-5-4	
Total cft						717-10-6 or 718 ~~862-9-1~~
palasading flat bars	2	3988.5 ~~3991.0~~	7"	..	4653-0 ~~4656.2~~ rd	
Do horizontal bars	1	3988.5	3"	..	997.*	
Do Square bars	1595 ~~943~~	9-0	0-5"	..	5981-0 ~~7801.3~~ rd	
C.O					11631-0 ~~12954-6~~ rd	

ate 6th March 1895.

Detail of Work.	Number.	IN F Length.	Breadth.	Depth.	Are Contents.	Qua desc of W
1	2	3	4	5	6	7
Brought over					11631-0 ~~12954-6~~	rd
Painting palisading & iron bars	6392 rd ~~7777~~	5-0	0-4		10653-0 ~~12961-8~~	rd
Do Do spikes	47820 rd ~~6833~~	0-9	0-1½		4483-0 ~~546-10~~	rd 114 116
Do Gate 8ft	72	9-0	0-5		270.0	✓
Do Do	144	8-0	0-6		576-0	✓
Do Do	24	8-0	0-7		112-0	✓
Do Do	12	8-0	0-3		24-0	✓
Do Do spikes	1200	0-9	0-1½		113-0	rd
Do Do	24	5-8	0-4½		51-0	✓
Do Do	12	1-6	0-4		6-0	✓
Do Do 10ft	28 rd ~~32~~	9-0	0-7		147-0 ~~168-0~~	rd
Do Do	72	8-0	0-6		288-0	✓
Do Do	8	10-0	0-7		46-8	✓
Do Do	4	10-0	0-3		10-0	✓
Do Do spikes	500 rd ~~480~~	0-9	0-1½		47-0 ~~45-0~~	rd ✓
Do Do ~~3-6~~	8	6-0	0-1½		6-0	✓
Do Do 3½ gates	6	9-0	0-5		22-6	✓
Do Do	12	8-0	0-6		48-0	✓
Do Do	4	3-7	0-7		8-4	✓
Do Do	2	3-7	0-3		1-9	✓
Do Do spikes	80	0-9	0-1½		7-6	✓
Do Do	4	4-8	0-4½		7-0	✓
Do balls	9924 ~~12018~~	0-8	0-8		3411-0 ~~5341-4~~	rd
Do Sundries					380-3 ~~397-11~~	rd
Total Squares					32350-0 ~~33900-0~~	rd 323 or ~~33~~

Erecting iron palisading and gates

ESTIMATE FORM.—Abstract.

Qu ty	Description of Work.	Rate.	Per	Amount	TOTAL.
1	2	3	4	5	6
		RS.		RS.	RS.
7.0 Units	Concrete in chunam work	13-10-0	100 cft	1867 ~~2348~~ rd	
1.0 do	Random rubble (1st sort) in chm	15-0-0	do	2565 ✓	
3.0 do	Pointing work	2-8-0	100 sft	707 ✓	
.0 do	Plastering 2 coats	3-8-0	do	109 ✓	
1 do	Cutstone work in chunam	50-0-0	100 cft	41	
26 do rd	Iron work for palisading and gates	0-1-9	tt	37913 ~~44464~~ rd	
2.9 cft 3.5 rd	Burma teakwood balls	3-4-0	cft	2334 ~~2804~~ rd	
39 Sqr	Painting palisading & gates or 0-5-0 per Rft	3-9-0	Sqr	1152 ~~1200~~ rd	
	Erecting iron palisading & gates			1000 ~~1500~~ rd	
	Total			47688 ~~55796~~ rd	
	General charges			850 ~~1115~~ rd	
	Carriage to site			60 ~~89~~ rd	
	Petty Supervision	2-8-0	cent	1190 rd	
	Contingencies	-	-	212	
	Total Estimate Rs				50000 ~~57000~~ rd

Supp. Engineer & Circle.
Dated 17th March 1895

Grand Total of Estimate Rs. ~~57000~~ 50000

STATION
Date 6th March 1895.

No. 50 of 1894-95

(E. No. 123.)

SUPERINTENDING ENGINEER
No. 5/1848
12 MAR 95
FIRST CIRCLE

CIRCLE— First

DIVISION— Eastern

DISTRICT— Godavari

TALUK (OR ESTATE IN CASE OF ESTATE WORKS.)

ESTIMATE FORM.—Abstract.

Financial Head— Provincial

Budget Head— Civil Buildings

Departmental Head— Original Works

Main Head— Jails

Sub-Head—

Project of which the work forms part—

Section—

Name of Work— Replacing the existing wooden Palisading the Central Jail at Rajahmundry with iron Palisading & gates.

Amount of Estimate, Rs.— ~~57,000-0-0~~ 50000 Rs

To be carried out by— D. P. W.

REFERENCES.

Read-again G.O. 22-2-94 No. 452 Judl

Read-also the following papers:-

J.S. 1491 & 1577/95

No. 1729.

Ootacamund 1607/

OFFICE OF THE INSPECTOR-GENERAL OF ~~JAILS,~~ Prisons

Dated 27 March 1895.

18

From

A. G. CARDEW, ESQ., M.A.,

INSPECTOR-GENERAL OF ~~JAILS,~~ Prisons.

To

THE

CHIEF SECRETARY TO GOVERNMENT,

Six Enclosure.
viz
2 alternative estimates.
2 accompanying reports.
1 illustration
1 copy of Letter No. 2434 G.D. / 16.3.95

6

SIR,

In accordance with the directions contained in G.O. 22nd February 1894 No. 452, Judicial Department, I have the honour to submit alternative estimates prepared by the Public Works Department for replacing the wooden palisades at the Rajahmundry Central Jail by (1) masonry walls—(2) iron railings.

2. The Estimate for providing masonry walls amounts to Rs 19,300. The walls would be 8 feet high by 1½ feet thick. As the main object of such dividing walls is to stop a rush of Convicts from one yard into another, no wall less th[illegible] 8 ft high would be of any use. In the Private Secretary's Memorandum, dated 31st March 1891, recorded in G.O. 22nd Apr[illegible] No. 780. His Excelle[illegible] 6' high [illegible]

Governor [illegible]

the yards in the Vellore and Coimbatore Central Jails were very insecure and would not withstand any concerted effort on the part of the prisoners. These partitions consist of masonry walls, which at the Vellore Central Jail average about 7½ feet and at the Coimbatore Central Jail about 6½ feet – and in G.O. 26 June 1891 No. 1276 the Government approved of the substitution of iron-railings for these walls. Estimates for this work were ordered to lie over in G.O. 6th September 1893 No. 1821 Judicial. In these circumstances, the construction of masonry walls appears to be contrary to the decision already arrived at by Government, and I am now of opinion that walls 8 feet high would unduly interfere with ventilation and might prove seriously prejudicial to health. I, therefore, deprecate the adoption of this estimate.

3. The alternative estimate for providing iron-railings amounts to Rs 50,000. After ~~seeing~~ a small piece of railing on the same pattern, which has lately been built to enclose the Kitchen Yard at the Coimbatore Central Jail, I am of opinion that the plan proposed is not satisfactory. The railing is unnecessarily high. It is proposed to be 8

tal bars with

ght might be

On the other hand, the masonry pillars every 12 to 14½ feet are a source of weakness, as their smooth tops would make the railing much easier to climb. If the railing were reduced to 6½ feet, excluding the horizontal bar with revolving spiked balls, and if the pillars were removed, old iron-rails being used instead, this plan of palisading would be very effective.

4. The Superintending Engineer in his Letter No. 2434 G.D. d/ 16.3.95 (copy enclosed) suggests a third alternative, namely, the use of certain patent unclimable steel palings. He encloses an illustration of this. Without seeing the paling it is difficult to judge whether the "toothed" or "serrated" edge is really efficient, but it seems likely that a railing of this material 7 feet high, would prove a sufficient obstacle even to natives. According to the Superintending Engineer it would be a good deal cheaper than the wrought iron-railings.

The Supy Engr says that the cost would be under Rs 35,000

5. If the Government decides in favour of the unclimbable steel palings, the necessary steps should apparently be taken in the Public Works Department to obtain the required supply by indent on England. If, however, the wrought iron railings are preferred, I would request that the modifications in the Estimate suggested in para. 3 may be approved.

1780, 72, of

Messrs Bayliss, Jones & Bayliss Catalogue

6' high 2 00

CURRENT No. 1607

JUDICIAL.

JAIL (1895) DEPARTMENT.

From

THE INSPECTOR-GENERAL OF ~~JAILS~~ Prisons,

To

THE CHIEF SECRETARY TO GOVERNMENT.

CHIEF SECRETARY
30 MAR. 1895
GOVERNMENT OF MADRAS

Dated 27
Despatched
Received 30
} March 1895.

Recd 1/4

No. 1729

ENCLOSURES. 6

Subject.

Submitting alternative estimates prepared by the Public Works Department for replacing the wooden palisades at the Rajahmundry Central Jail by (1) masonry

1607

---

452 = 22 - 2 - 94
180 = 22 - 4 - 91
1276 = 26 - 6 - 95
1821 = 6 - 9 - 93

H. M.

Prisons

Mr Cardew's letter puts the case clearly. The expenditure will come out of the P.W.D grant which is large enough to provide the funds.

I don't like this view of the matter WS

D
10-4-95

I think I know the patent unclimbable steel palings – I saw them what I believe to be them at one of the S. Indian Ry. Stations – They are certainly ugly nasty things to get over.

JD
19.4.95

I don't like the idea of walls – railings are better – but the cost is appalling and it is a question whether they wd. not quickly deteriorate from rust – Please ask the C.E. what he thinks, drawing his attention to the fact that the rate for ironwork works out to Rs 257½ per ton

WS
20/4/95

NOTE FOR THE ~~CHIEF SECRETARY~~ Secy to Govt, P.W.D.

1607 [illegible]
[illegible] 23/4

Has the honour to forward the accompanying file (relating to the supply of railings on the Rajahmundry Central Jail) with notes in original by the Honble Mr Bliss C.I.E. and to request ~~that~~ the favour of the opinion of the Chief Engineer's ~~opinion may be furnished~~ with regard to the matter.

Special attention is invited to the concluding portion of the Honble note (By order)

Lionel Davidson
Under Secretary

22.4.95

JD
24/4/95

Make Clean Copy.

JD
24/4/95

& Bayliss Catalogue
6' high . . . . 2 –

P. W. Dept

CURRENT No. 2390 3B

Note from the Judicial dept dated 25th April 1895 on Judicial Dept C No 1607.

Note by the Chief Engineer P. W. Dept:—

query in [illegible]
bb
17/7

It is observed that the Honorable Member prefers railings to walls. but suggests that the former might possibly deteriorate from rust. Deterioration could be obviated by periodical painting. The main objection is the cost; the following are alternative estimates which may be taken as fairly approximate:—

		Rs
1.	Steel palings 8' high	39,000
2.	Wall 8' high	19,300
3.	Railings after the Coimbatore Jail pattern 8' high	50,000
4.	Railings of the kind referred to in diagram No 112 D, page 92, of Messrs Bayliss, Jones & Bayliss Catalogue 6' high	2[illegible]00

RRENT No. 1607

JUDICIAL.

5.– Do — diagram No. 1106 R, page 106, 8 feet high . . . . . ~~Rs~~ 37,000.

2. A representative of Bayliss, Jones and Bayliss, came to Madras last month and produced a model of their railings in brass which seemed excellent.

3. For an ordinary building I should certainly prefer a railing 6' high to a wall costing some 25 per cent less, for the same height, but it is doubtful whether such railings as those shewn – with a height of six feet – would be sufficient for a prison. – I believe too there are objections to the use of open railings for prisons, apart from the question of height; the Inspector General will no doubt be able to advise upon this point.

? Smuggling prohibited articles ?
D

(Sd.) John Pennycuick, Col. R.E.,
Chief Engineer P.W.D.

Ootacamund
May 9th 1895

No. 141 D dated 10th May 1895
Transferred to the Judicial Department.

Colonel R.E.,
Secretary to Govt. P.W. Dept.

To,
The Judicial Dept.
with papers returned and a copy of Bayliss & Co.'s catalogue for reference and favour of return.

[illegible] 10/5/95

CURRENT No. 1607

JUDICIAL.

Genl / Judicial Depts

CURRENT No. 2390

From, the P. W. Dept

CHIEF SECRETARY
10 MAY 1895
GOVERNMENT OF MADRAS

No. 141 D

Dated 10th }
Recd 10th } May 1895
Regd 10th }
Encl: 1 book & C No. 1607 with Encl: & Spl papers retd.

Subject

Forwarding note by the Chief Engineer P. W. Dept on the question of replacing the wooden palisades at the Rajahmundry Central Jail by iron-railings

Rs
Please put to Judl Dept [illegible]
[illegible] 15 after [illegible]
[illegible]

[G. 25.]
600—8-3-95.

Genl. DEPARTMENT.

C. No. 2390

FOR ORDERS.

Send Mr. Carden Messrs Bayliss & Co's book & ask him to study it (Tell him which types the C. E. suggests) & ask him to come & speak to me about it — He had better have the file to bring at the same time.

W. B.
20/5/95

Subd with reference to H. M.'s remarks on C No 1607 of 1895.

D
14-5-95

Id
17/5/95

Ootacamund
23rd May 1895

D. O. No 244

My dear Carden

The Hon. Mr. Bliss wishes to discuss with you in person the question of the supply of iron-railings in lieu of the wooden palisades at the Rajahmundry Central Jail, and has directed me to send you a copy of Messrs. Bayliss, Jones & Bayliss' Catalogue with the request that you will study it before talking over matters with him — Of the various patterns advertised therein the Chief Engineer has ~~selected & noted with~~ suggested special

CURRENT No. 1607

JUDICIAL.

~~approval~~ to the two following Cost.

(i) Diagram 112 D p. 92 – 20,000
6 feet high

(ii) Diagram 1106 R p. 106 37,000
8 feet high

If you will let me know when you have arranged to discuss the matter, I will send the file of connected papers either to you or to the Hon^ble^ member himself.

Yours sincerely
21-6-95

A. G. Cardew Esq.
I. G. Prisons
with copy of catalogue to be eventually returned.

Des/pf
22/5

N

(Nothing to be read)

Ref^ce^ only No. 1355
D/11-6-95

Messrs. Bayliss, Jones & Bayliss' catalogue will be returned to the I. G. of Prisons in order that he may devote further consideration to the question which form of railing is most suitable for adoption in jails

D
11-6-95

The I. G. of Prisons with a catalogue [illegible] 15/7/95 No 1491 [illegible]

Re replacement of the wooden palisades at the Rajahmundry central jails by iron railing

FOR ORDERS.

CHIEF SECRETARY
6. JUL. 1895
GOVERNMENT OF MADRAS

~~A. M.~~

D.O. No. 244
D/23. 5. 95

N

D
21

Please copy this for h.l.'s signature

22/5

[Form No. (4)—250—4-1-95.]

CURRENT No. 5967 / 1

No. 3488

OFFICE OF THE INSPECTOR-GENERAL OF PRISONS, MADRAS,

Dated Ootacamund the 18^th^ June 1895.

From

A. G. CARDEW, Esq., M.A.,
INSPECTOR-GENERAL OF PRISONS,
MADRAS,

To

THE HONOURABLE MR. J. F. Price C.S.I.
CHIEF SECRETARY TO GOVERNMENT,

Enclosures.

SIR,

I have the honour to acknowledge the receipt of M^r^ Davidson's Memorandum N^o^ 1355 dated 11^th^ June 1895, forwarding a Catalogue of Bayliss, Jones and Bayliss in order that the form of railing to be adopted in the Rajahmundry Central Jail and other Jails may be further considered.

2. The Superintending Engineer, 1^st^ Circle, in the Letter N^o^ 2434 G.D., dated 16^th^ March 1895, suggested the adoption of a patent unclimbable steel paling made by Messrs Bain & Co. This paling with a serrated edge along both uprights and horizontals would doubtless form an excellent fence, but the cost appears to be prohibitive. For the total distance of 1668 yards required at the Rajahmundry Central Jail the bare cost of the railing would, at 1^s^ - 1¼^d^ per rupee, appear to amount to the following, viz:-

6 ft. high at 17- per yard — R^s^ 25,681
7 ft. high at 18- per yard — R^s^ 27,192
8 ft. high at 19- per yard — R^s^ 28,702

The freight from London to Cocanada may be taken at 25 per Cent on the above cost, to which must be added the cost of conveyance from [illegible] Rajah-

A. G. C.

-mundry, and the cost of erection. It is evident that the total amount would not fall short of Rs. 40,000

3. In view of the largeness of this sum, it is proposed to confine the use of Bain's steel paling to the inner circle, in which direction any combined attempt by Convicts would be probably made. The extent of the inner-circle at the Rajahmundry Central Jail is only 193 yards and the cost of Bain's steel paling 8 ft. high for this distance would be Rs. 3321

4. The major part of the area for which fresh railings are required in the Rajahmundry Central Jail relates to the outer circle, which measures 1103 yards. For this it seems necessary to select a cheaper form of railing, and after consulting the Chief Engineer, it is proposed to recommend the adoption of Messrs. Bayliss Jones and Bayliss' No. 112 D on page 92 of their catalogue fitted with 2 rows of barbed wire as shown in No. 112 W on page 95. The cost of the railing, 6 ft. high, delivered at Liverpool is 8/ per yard; to this has to be added 4d. a yard for the barbed wire and 2d a yard for stays and winders, making 8/6 per yard altogether, and the value of 1103 yards at 8/6 appears to be Rs. 8491.

5. Besides the inner and outer circle the Estimate submitted with my Letter No. 1729 dated 27th March 1895, deals also with the approach from the Main Gate to the Tower, and with the Hospital enclosure. The Hospital enclosure may, I think, be left out of account altogether. The existing wooden ~~paling may~~ remain and can be repaired with sound portions of the wooden paling to be removed from other parts of the Jail. Information as to the exact length of the approach from the Main-Gate to the Tower is not available, but it is taken at 200 yards. For this a masonry wall, 8 ft. high, will suffice, the cost of which can be ascertained from the estimates now before Government. It will be approximately Rs. 2400.

6. If these proposals are accepted, the [illegible] wooden railings in the Rajah-

-mundry Central Jail in the manner proposed will be as follows:—

		Rs.
Bain's steel palings, 8 ft. for inner Circle	Rs. 3321	
Freight at 25 per Cent on ditto	Rs. 830	
Carriage and erection, say 25 p.c.	Rs. 830	
		4981
Bayliss' Iron Railings 112 D. with 2 lines of Barbed wire 112 W. Stays and Winders	Rs. 8491	
Freight at 25 per Cent on ditto	Rs. 2123	
Carriage and erection say 25 p.c.	Rs. 2123	
		12,737
Masonry walls 8 ft. high for passage between Gate and Tower according to distance say 200 yds.		2400
	Total	Rs. 20,118

or in round figures Rs. 20,000 which it will be seen is only a little more than the lowest of the three estimates submitted by the Superintending Engineer 1st Circle. In these circumstances I hope that these suggestions may be favourably considered.

7. I beg to add that the wooden railings at another Central Jail, that at Cannanore, are in an equally bad state with those at the Rajahmundry Central Jail and are in urgent need of replacement. Should the Government approve of the present proposals, a similar scheme for the Cannanore Central Jail will be submitted. The distances are less, and the expenditure will be considerably smaller, as the following figures show:—

		Rs.
Inner circle - 167 yds. Bain's steel palings 8 ft. at 19- per yd.	2874	
Freight and erection at say 50 per Cent	1437	
		4311
Outer Circle - 786 yds. Bayliss' Iron railings 6 ft. 112 W	6051	
Freight and erection ~~50 per cent~~	3025	
		9076
	Total	Rs. 13,387

By these arrangements the two Jails Rajahmundry and Cannanore can be provided with permanent railings at a cost (Rs. 33,500) which is considerably less than would be required to provide a single Jail with Bain's steel palings throughout.

8. Messrs. Bayliss, Jones and Bayliss catalogue is herewith returned.

I have the honour to be,
Sir,
Your [illegible] Servt.

CURRENT No. 1607

JUDICIAL

CURRENT No. 2967

JUDICIAL. Dept.

JAIL (1895) DEPARTMENT.

From

THE INSPECTOR-GENERAL OF PRISONS,

Madras,

To

THE CHIEF SECRETARY TO GOVERNMENT,

CHIEF SECRETARY
20 JUN. 1895
GOVERNMENT OF MADRAS

Dated 18th –
Despatched
Received 20 "
Regd 21 "
June 1895.

No. 3488

ENCLOSURES. ~~One Catalogue~~
Enc: No 1 to No. 2390 sets

Subject.

* Submitting certain further proposals regarding the replacement of wooden palisadings in the Rajahmundry Central Jail with iron railings.

* taking care to explain that if possible even at the cost of a little delay, they should be shipped direct to Coconada & Cannanore respectively.

R 22/6 There are occasional direct steamers I believe –

Before however, issuing orders, ask C.E. to see if I have made any mistake – I may have –

H.B. 4/7/95

Refce No. 1135/95 & papers

For orders

Sented with refce to the notes & orders under cover of Reference d 11 June 95, No. 1355. – It is understood that these proposals were settled when H.E. discussed the question with Mr Cardew.

For orders (a) as to whether they may be approved & (b) as to whether a similar scheme for Cannanore may be called for

D
25 6 95.

It seems to me that Mr Cardews estimate for Rajahmundry is below the mark as he has apparently not provided for P.W.D. supervision &c.

I dont understand what he means as regards Cannanore for he puts down freight (carriage?) and erection at 50 per cent which is the same as at Rajahmundry though he says "The distances are considerably less &c."

D
27/6/95.

I dont see why there need be any P.W.D. supervision as regards the railings as they simply require to be let into holes in the ground which will then be filled again with earth rammed down hard – The prison can do this.

I dont see any error as regards Cannanore – In Rajahmundry he has but down freight 25% & carriage & erection 25% = 50% – For Cannanore he has but down freight & erection 50% in a lump [illegible]

Apparently [illegible]

[illegible]

C 29/6

Copy of an office ~~order~~ Note

Ootacamund

dated 2nd July 1895

No 1518.

From the Chief Secy to Govt

To The Secretary to Govt

P. W. Deptt.

Has the honor to forward Judicial Current No 2967 in original with connected papers and to request as desired by the Hon'ble Mr Bliss, that the Chief Engineer may be asked to scrutinize the proposed order.

[G/9]
2,000—2-4-95.

Current No. 3221

Judicial DEPARTMENT.

Subd. with reference to H.E.'s orders on C. No 2967 of 95

From P. W. Dept.

No. 521 D.

Dated 6th } July 1895
Received 6th }
Enclosures C. No. 2967 rets.

SUBJECT.

Transferring note by the Chief Engr., P. W. D., d 6th July 95, No 520 D, with reference to Office Note from the Jud. Dept., No. 1518 d 2nd July 1895, regarding the replacement of wooden palisadings in the Rajahmundry Central Jail with iron railings

Judicial

P. W. Dept.

520 D

6th July 1895

[illegible]

Transferring note by the Chief Engr. P.W.D. 6th July 95 no 520 D, with reference to office note from Judl. Dept. No 1518 dated 2nd July 1895, [illegible] [illegible] [illegible] Rajahmundry [illegible]

CURRENT NO. 3221

Office Note from ~~the~~ Judicial Department No. 1518 dated July 2nd 1895.

Note by the Chief Engineer Public Works Department:—
No. 520 D. 6th July 1895

The Honorable Member's figures appear correct; there will apparently be no necessity for Public Works Supervision.

2. The Inspector General is correct in allowing the same price for freight and erection at Cannanore as at Rajahmundry. The cost of erection will be about the same in both cases, and the freight will probably be rather more to Cannanore than to Cocanada, and this difference will about cover the cost of railway carriage (a very small item) from Cocanada to Rajahmundry.

Query no proof
Ob

The 50 per cent allowed
ill probably be found
ufficient but not excessive.

(Sd.) John Pennycuick,
Col. R.E.,
Chief Engineer, P. W. Dept.

Ootacamund,
July 6. 1895 }

521 D. 6th July 1895

Transferred to the
judicial Department.

J Pennycuick Col. R.E.,
Secretary to Government, P. W. Dept.

6 JUL 1895

C. H. B.
5/7 95

To,
The Judicial Dept.
with papers returned.

The P W D 11 } ... catalogues (~~[illegible]~~) (Bayers... Catap... [illegible]
despd
10/8/95

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E

OFFICE OF INSPECTOR GENERAL OF JAILS,

Ootacamund, May 24th 1895.

UNDER SECRETARY PUBLIC 4 MAY 95

My dear Davidson,

If the Honble Member approves, I would propose to come & see him on the subject of the Rajahmundry railings at 8 A.M. on Tuesday next. I think the early morning suits him best. If not, any other hour on Tuesday - or any subsequent day would be equally convenient to me. When you let me know Mr. Bliss's reply, will you send me the file as proposed, as I should like to compare Bayliss, Jones & Bayliss' designs with that of Bain & Co. supplied by the Supdg. Eng. 1st Circle, & submitted with my No. 1729, dated 27 March last.

Yours sincerely

A. G. Cardew

T. I.

25th inst

D

MH 5

GOVERNMENT OF MADRAS

OOTACAMUND,

25 .5. 1895:

My dear Mr. Bliss

Will you let me know if Tuesday at 8 a.m. will suit you. I enclose Carew's letter *.

Yours sincerely

Lionel Davidson

*. I will send the file to him

My dear D —

All right

Yrs

H.S

25/5

[G./24.]
500—21-3-95.

Jail DEPARTMENT.

Papers to be read in proceedings :—

Again G.O., dated 189 , No.

X· Again G.O., dated 22 Feby 1894, No. 452

A (without ests.) Current No. 1607 of 1895, dated 27 Jan from the I. G. of Prisons.

A. { " " 2390 " 1895, " 10 May, " the P.W.D.
" " 2967 " 18 June " I. G. of Prisons.
" " 3221 " 1895, " 6 July " ~~the I.G. Prisons.~~ P.W.D.

D/X

ORDER. dt 15th July 1895 No. 1491

R.S.

The I.G.'s proposals are approved & the P.W.D. will be requested to arrange for the preparations of plans and Estimates in respect of the masonry walls which it is proposed to erect at the Rajahmundry Central Jail.

2. The steel palings and iron railings which will be required should be procured by means of an [illegible] indent prepared by the Jail Department, in which it should be explained that, if possible, even at the cost of a little delay, they should be shipped direct to Cocanada & Cannanore, respectively.

J. O.

.S.T.C. D 11.7.95 12/7/95.

The I.G. Prisons } with catalogues (Bapu's? [illegible] copy to be returned)
The P.W.D. II } despd 10/8/95.

H.D. 6/8 [illegible]

Incl Enclosures

Print from G.E.

~~Note
Show the [illegible] [illegible]
in [illegible] for C.S.~~

35

15th July 1895, No. 1491, Judicial.

Show previous
G.O. pd

Print the two office
notes from the Chief
Engr as - 9 - & sketch
35 copies.
31/7

GOVERNMENT OF MADRAS.

JUDICIAL DEPARTMENT.

Read—again the following paper :—

G.O., dated 22nd February 1894, No. 452, Judicial.

Read—also the following papers :—

From A. G. CARDEW, Esq., M.A., Inspector-General of Prisons, to the Chief Secretary to Government, dated Ootacamund, 27th March 1895, No. 1729.

In accordance with the directions contained in G.O., dated 22nd February 1894, No. 452, Judicial, I have the honour to submit alternative estimates prepared by the Public Works Department for replacing the wooden palisades at the Rajahmundry Central Jail by (1) masonry walls, (2) iron railings.

2. The estimates for providing masonry walls amounts to Rs. 19,300. The walls would be 8 feet high by 1½ feet thick. As the main object of such dividing walls is to stop a rush of convicts from one yard into another, no wall less than 8 feet high would be of any use. In the Private Secretary's memorandum, dated 31st March 1891, recorded in G.O., dated 22nd April 1891, No. 780, His Excellency the Governor remarked that the partitions between the yards in the Vellore and Coimbatore Central Jails were very insecure and would not withstand any concerted effort on the part of the prisoners. These partitions consist of masonry walls, which, at the Vellore Central Jail, average about 7½ feet and at the Coimbatore Central Jail about 6½ feet and in G.O., dated 26th June 1891, No. 1276, the Government approved of the substitution of iron railings for these walls. Estimates for this work were ordered to lie over in G.O., dated 6th September 1893, No. 1821, Judicial. In these circumstances, the construction of masonry walls appears to be contrary to the decision already arrived at by Government, and I am now of opinion that walls 8 feet high would unduly interfere with ventilation and might prove seriously prejudicial to health. I, therefore, deprecate the adoption of this estimate.

3. The alternative estimate for providing iron railings amounts to Rs. 50,000. After seeing a small piece of railing on the same pattern, which has lately been built to enclose the kitchen yard at the Coimbatore Central Jail, I am of opinion that the plan proposed is not satisfactory. The railing is unnecessarily high. It is proposed to be 8 feet high excluding the horizontal bars with revolving spiked balls. This height might be reduced to 6½ feet, thereby lessening cost. On the other hand, the masonry pillars every 12 to 14½ feet are a source of weakness, as their smooth tops would make the railing much easier to climb. If the railing were reduced to 6½ feet, excluding the horizontal bar with revolving spiked balls, and if the pillars were removed, old iron rails being used instead, this plan of palisading would be very effective.

4. The Superintending Engineer in his letter No. 2434-G.D., dated 16th March 1895 (copy enclosed), suggests a third alternative, viz., the use of certain patent unclimbable steel palings. He encloses an illustration of this. Without seeing the paling, it is difficult to judge whether the "toothed" or "serrated" edge is really efficient, but it seems likely that a railing of this material 7 feet high, would prove a sufficient obstacle even to natives. According to the Superintending Engineer it would be a good deal cheaper than the wrought-iron railings.

The distances are less, and the expenditure will be considerably smaller as the following figures show :—

	RS.	RS.
Inner circle, 167 yards, Bain's steel palings 8 feet at 19s. per yard	2,874	
Freight and erection at, say, 50 per cent.	1,437	4,311
Outer circle, 786 yards, Bayliss' iron railings 6 feet, 112-W.	6,051	
Freight and erection	3,025	9,076
Total ..		13,387

By these arrangements the two jails, Rajahmundry and Cannanore, can be provided with permanent railings at a cost (Rs. 33,500) which is considerably less than would be required to provide a single jail with Bain's steel palings throughout.

8. Messrs. Bayliss, Jones and Bayliss catalogue is herewith returned.

Query

Note by the Chief Engineer, Public Works Department, dated 6th July 1895, No. 520-D.

The Honourable Member's figures appear correct; there will apparently be no necessity for public works supervision.

2. The Inspector-General is correct in allowing the same price for freight and erection at Cannanore as at Rajahmundry. The cost of erection will be about the same in both cases, and the freight will probably be rather more to Cannanore than to Cocanada, and this difference will about cover the cost of railway carriage (a very small item) from Cocanada to Rajahmundry.

3. The 50 per cent. allowed will probably be found sufficient but not excessive.

OOTACAMUND,
6th July 1895.
(Signed) J. PENNYCUICK, Col, R.E.,
Chief Engineer, P.W.D.

No. 521-D.

Transferred to the Judicial Department.

(Signed) J. PENNYCUICK, Col., R.E.,
Secy. to Govt., P.W.D.
6th July 1895.

ORDER—dated 15th July 1895, No. 1491, Judicial.

The Inspector-General's proposals are approved and the Public Works Department will be requested to arrange for the preparations of plans and estimates in respect of the masonry walls, which it is proposed to erect at the Rajahmundry Central Jail.

2. The steel palings and iron railings which will be required should be procured by means of an indent prepared by the Jail Department, in which it should be explained that, if possible, even at the cost of a little delay, they should be shipped direct to Cocanada and Cannanore, respectively.

(True Extract.)

Chief Secretary.

To the Inspector-General of Prisons with catalogues.
„ Public Works Department.

Exd. Shaik Kareem.

Govt. of {1895} Madras.

JUDICIAL.

Issued

Recd. *Encl.*

G.O., 15th July 1895, No. 1491.

JULY.

Central Jails, Rajahmundry and Cannanore.

Approving the proposals of the Inspector-General of Prisons for replacing the wooden railings at the — by iron railings, and requesting the Public Works Department to arrange for the preparation of plans and estimates in respect of the masonry walls proposed to be erected at the Rajahmundry Central Jail.

First copy sent to Press.

Returned for signature.

espatched in print.

Number of copies required. { Order complete. / Letter only. / Order complete with Letter.

ead again G.O., No. 189 Dated

Current No.

nclosures to C. No.

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Letter of Government.

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apers not filed up, being meant for despatch in original.

N.B.—

A = Print in full.
B = Not to be printed.
P = Print abstract only.
Q = Print heading only.

11.