(1) பக்கங்களின் எண்ணிக்கை 38
(2) புதுக்கித் திருப்பிய நாள் 8.6.88
(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

PUBLIC WORKS துறை

அரசாணை எண்.
மு. கோப்புத் தாள் எண். — 1098 W அச்சகம்
பலவகை

நாள் : 12. 4. 1888 ~~198~~.

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

ஆவண. கா-1—18,006—15-6-87.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following letter from A. JOYCE, Esq., General Superintendent, Pub Works Workshops, to the Deputy Chief Engineer, Public Works Depa ment, dated Madras, 23rd February 1888, No. 2751 W. :—

With reference to your memorandum No. 651 C., dated 14th February 1888, a in continuation of my letter, No. 2748 W., dated 22nd idem, I have the honor enclose standard plan and revised estimate for iron record-racks for record-rooms.

Order—dated 12th April 1888, No. 1098 W., Public Works.

The standard plan for iron record-racks for record-rooms, as finally approved, w be lithographed, and the revised specification and estimates will be printed a circulated to officers and departments concerned, for information and guidance, continuation of G.O. No. 2391 W., dated 5th September 1887.

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W

To Superintending Engineers,
To the Chief Engineer for Irrigation,
" Consulting Engineer for Railways,
" Examiner, Public Works Accounts,
" Consulting Architect to Government,
" Judicial Department,
" Revenue Department,
" Military Department,
with copies of plan and estimates.

Exd. F. R. Bantleman.
Spare Copies

ANNEXURE.

Estimate Form—Abstract.

Quantity.	Description of work.	Rate.			Per	Amount.	Total.
	Wooden Ladder, measuring 10′ × 1½′.	RS.	A.	P.		RS.	RS.
¾ cub. ft.	of Tricanamalley wood	3	8	0	cub. ft.	3	
16 lb.	of iron	0	1	0	lb.	1	
...	Carpenter's labor	...			...	3	
...	Filers and smiths, &c.	...			...	3	
...	Painting, chuckler's labor, including leather	...			...	1	
	Total ...	...			...	11	
	General charges at 10 per cent.	...			...	1	
	Total amount of Estimate ...	...			...	...	12
	Grand Total of Estimate ...	...			...	...	12

Seven Wells,
23rd February 1888.

(Signed) A. JOYCE,
Genl. Supt., P.W. Workshops and Stores.

Estimate Form—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
					LB.	LB.
Record-racks, measuring 6′ × 2½′ × 9¾′.						
Wrought-iron work—						
Angle iron for standards ...	4	9′ 9″	0′ 2″	0′ ¼″	130	
Do. for crosses ...	32	3′ 0″	0′ 1¼″	0′ ¼″	192	
Do. for ties ...	8	6′ 0″	0′ 1¼″	0′ ¼″	96	
Do. for holding ...	6	0′ 4″	0′ 3″	0′ ⅜″	15	
T iron for centre of standards ...	2	9′ 9″	0′ 2″ × 1″ × ¼″		49	
Do. for crosses ...	16	3′ 0″	0′ 2″ × 1″ × ¼″		120	
Bolts, holding	6	1′ 6″	0′ 1″ Dr.		24	
Wall-plates	3	6′ 6″	0′ 4″	0′ ⅜″	98	
Wastage	...	...	...	...	33	
Total lb. of wrought-iron work.	...	...	...	...	...	757
Sweedish iron for revets and bolts	...	...	...	...	...	50
Castings	...	...	...	...	...	220
Teak-wood work—						
Battens	150	6′ 0″	0′ 1½″	0′ 1¼″	11′ 8″ 7‴	
Do. below	60	2′ 6″	0′ 1½″	0′ ½″	0′ 9″ 0‴	
Plank top	1	6′ 0″	2′ 6″	0′ ½″	0′ 7″ 6‴	
Total cub. ft. of teak-wood work.	...	...	...	...	...	13′ 1″ 1‴

Estimate Form—Abstract.

Quantity.	Description of work.	Rate.	Per	Amount.	Total.
		RS. A. P.		RS.	RS.
	Record-racks, measuring 6′ × 2½′ × 9¾′.				
757 lb.	of wrought-iron work	0 1 3	lb.	59	
50 "	of Sweedish iron	0 2 0	"	6	
220 "	of castings	0 0 10	"	11	
13 cub. ft.	of teak-wood work	2 0 0	cub. ft.	26	
...	Wood screws	...	...	3	
...	Painting	...	...	3	
...	Fuel	...	...	5	
...	Smith's labor	...	...	20	
...	Filers	...	...	8	
...	Machine men	...	...	6	
...	Carpenters	...	...	10	
...	Bricklayer's labor, including materials	...	...	3	
	Total ...	...	...	160	
	General charges at 10 per cent ...	...	...	16	
	Total amount of estimate ...	...	...	...	176
	Grand Total of estimate ...	...	...	...	176

Seven Wells,
March 1888.

(Signed) A. JOYCE,
Genl. Supt., P.W. Workshops and Stores.

Estimate Form—Detail Measurements.

Detail of Work.	Number.	Measurements in feet.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
					LB.	LB.
Record-racks, measuring 6′ × 1¼′ × 12′.						
Wrought-iron work—						
Angle iron for standards.	4	12′ 0″	0′ 2″	0′ ¼″	161	
Do. for crosses ...	40	1′ 9″	0′ 1¼″	0′ ¼″	140	
Do. for ties ...	10	6′ 0″	0′ 1¼″	0′ ¼″	120	
Do. for holding ...	6	0′ 4″	0′ 3″	0′ ⅜″	15	
T iron for centre standards ...	2	12′ 0″	2″ × 1″ × ¼″		60	
Do. for crosses ...	20	1′ 9″	2″ × 1″ × ¼″		88	
Bolts, holding	6	1′ 6″	0′ 1″ Dr.		24	
Wall-plates	3	6′ 6″	0′ 4″	0′ ⅜″	98	
Wastage	...	...	...	...	38	
Total lb. of wrought-iron work.	...	...	...	...	...	744
Sweedish iron for revets and bolts	...	...	...	...	...	60
Castings	...	...	...	...	...	220
Teak-wood work—						
Battens	95	6′ 0″	0′ 1½″	0′ 1¼″	7′ 5″ 1‴	
Do. below	76	1′ 3″	0′ 1½″	0′ ½″	0′ 6″ 0‴	
Plank top	1	6′ 0″	1′ 3″	0′ ½″	0′ 3″ 9‴	
Total cub. ft. of teak-wood work.	...	...	...	...	...	8′ 2″ 10‴

Estimate Form—Abstract.

Quantity.	Description of work.	Rate.	Per	Amount.	Total.
		RS. A. P.		RS.	RS.
	Record-racks, measuring 6′ × 1¼′ × 12′.				
744 lb.	of wrought-iron work	0 1 3	lb.	58	
60 "	of Sweedish iron	0 2 0	"	7	
220 "	of castings	0 0 10	"	11	
8¼ cub. ft.	of teak-wood work	2 0 0	cub. ft.	17	
...	Wood screws	...	...	3	
...	Painting	...	...	3	
...	Fuel	...	...	6	
...	Smith's labor	...	...	25	
...	Filers	...	...	9	
...	Machine men	...	...	6	
...	Carpenters	...	...	12	
...	Bricklayer's labor, including materials	...	...	4	
	Total ...	...	...	161	
	General charges at 10 per cent. ...	...	...	16	
	Total amount of estimate ...	...	...	...	177
	Grand Total of estimate ...	...	...	...	177

Seven Wells,
7th March 1888.

(Signed) A. JOYCE,
Genl. Supt., P.W. Workshops and Stores.

Iron Record-racks with wooden shelves (Public Works Workshop Specification).

The racks are built of T and L irons bolted together with $\frac{5}{16}''$ bolts and nuts.

2. The four corner uprights are angle irons $2'' \times 2'' \times \frac{1}{4}''$ to which the horizontal L iron frame pieces are bolted. Each rack has a centre T iron stiffener $2'' \times 1'' \times \frac{1}{4}''$ front and back, to which the T iron cross frames are attached.

3. The shelves are frames of teak-wood battens; each frame is in two parts to enable it to be slipped into position easily. The top of each rack is closed with $\frac{1}{2}''$ moveable planking.

4. Each rack is provided with 6 cast-iron shoes to take the ends of the uprights as shown in the drawing.

5. When the racks are placed against walls, they are secured by bolts passing through the walls as shown in the drawing.

6 Where there is no adjacent wall, the racks are kept upright by means of tie-bars, one arrangement of which is shown in the drawings.

BUILDINGS AND ROADS.
CIVIL WORKS.

Gobt. of (1888) Madras.
PUBLIC WORKS.

Dated April, 12th.

Encl.

Recd.

G.O., 12th Apr. 1888, No. 1098 W.

APRIL.

Iron Record-racks

Directing that the standard plan for— for record-rooms, as finally approved, be lithographed, and the revised specification and estimates be printed and circulated to officers and departments concerned.

1098/5

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	TOTAL.
		RS.		RS.	RS.
	Wooden Ladder Measuring 10' × 1½'				
3/4 cft.	of Trimmanally Wood	3-8-0	cft.	3	
16 lbs	of Iron	0-1-0	lb.	1	
	Carpenters labor			3	
	Filers and Smiths &c.			3	
	Painting, Chucklers labor including Leather			1	
	Total Rupees			11	
	General Charges at 10 percent			1	
	Total Amount of Estimate Rs.				12
			Grand Total of Estimate . .		12

STATION Seven Wells
Dated 23rd February 1888

~~Executive Engineer~~
Genl. Supdt. R.W. Work Shops & Stores

10-11-86.

[P. W. D. Code.—Paras.]

1098/6

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

ESTIMATE FORM.—Detail Measurements.

Record Racks Measuring 6'×2½'×9¾'

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
Wrought Iron Work.					lbs	
Angle iron for Standards	4	9'-9"	"-2"	"-¼"	120	
do Crosses	32	3'-"	"-1¼"	"-¼"	192	
do Ties	8	6'-"	"-1¼"	"-¼"	96	
do Holding	6	"-4"	"-3"	"-⅜"	15	
T iron for Centre of Standards	2	9'-9"	"-2"×1"×¼"		69	
do Crosses	16	3'-"	"-2"×1"×¼"		120	
Bolts holding	6	1'-6"	"-1" D¾		24	
Wall plates	3	6'-6"	"-4"	"-⅜"	98	
Wastage					33	
Total lbs of Wrought iron Work						757
						50
Swedish iron for rivets and bolts lbs						220
Castings lbs						
Teak Wood Work.						
Battens	150	6'-"	"-1½"	"-1¼"	11-8-7	
do below	60	2'-6"	"-1½"	"-½"	"-9-"	
Plank top	1	6'-"	2-6	"-½"	"-7-6	
Total cft of Teak Wood Work						13'-1"-1"

13½ 4

4 4 4 4 5

5

3

1098
7

a

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	Total.
				Rs.	Rs.
	Sword Racks Measuring 6' × 2½' × 9½'	Rs.			
757	lbs of Wrought iron Work	-1-3	lb	59	
50	do of Swedish iron	-2-	do	6	
224	do of Castings	--10	do	11	
13½	cft of Teak Wood Work	2--	cft	26	
	Wood Screws			3	
	Painting			3	
	Fuel			5	
	Smiths labor			20	
	Filers			8	
	Machine Men			6	
	Carpenters			10	
	Bricklayers labor including materials			3	
	Total Rs			160	
	General Charges at 10 per cent			16	
	Total Amount of Estimate Rs				176
	Grand Total of Estimate ..				176

5/6
9.3.88

Station Seven Wells
Dated March 1888.

A Joyce
~~Executive Engineer~~
Offg Supdt P.W. Work Shops and Stores

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
Record Racks Measuring 6'×1½'×12'.						
Wrought Iron Work.					lbs	
Angle iron for Standards	4	12'-0"	0'-2"	0-¼"	161	
do do Crosses	40	1'-9"	0'-1¼"	0-¼"	140	
do do Tees	10	6'-0"	0-1¼"	0-¼"	120	
do do Holding	6	0'-4"	0'-3"	0-⅜"	15	
T iron for Centre Standards	2	12'-0"	2"×1"×¼"		60	
do Crosses	20	1'-9"	2"×1"×¼"		88	
Bolts holding	6	1'-6"	0'-1" Dia"		24	
Wall plates	3	6'-6"	0'-4"	0-⅜"	98	
Wastage	"	"	"	"	38	
Total lbs of Wrought iron Work						744
Swedish iron for rivets and bolts lbs						60
Castings lbs						220
Teak Wood Work.						
Battens	95	6'-0"	0'-1½"	0'-1¼"	7'-5"-1'"	
do below	76 1	1'-3" 6'-0"	0'-1½" 1'-3"	0-½" 0-½"	0'-6"-0''' 0-3-9	
Plank 1 off Total C.ft. of Teak Wood Work						8'-2"-10'''

1098/9

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	Total.
		RS.		RS.	RS.
	Record Racks Measuring 6' × 1½' × 1½'				
744	lbs of Wrought iron Work	..-1-3	lb	58	
60	do of Swedish iron	..-2-..	do	7	
220	do of Castings	..-..-10	do	11	
8½	cft of Teak Wood Work	2-..-..	cft	17	
	Wood Screws			3	
	Painting			3	
	Fuel			6	
	Smiths labor			25	
	Filers			9	
	Machine Men			6	
	Carpenters			12	
	Bricklayers labors including materials			4	
	Total Rs			161	
	General Charges at 10 per cent			16	
	Total Amount of Estimate Rs				177
	Grand Total of Estimate ..				177

9-3-88

STATION Seven Wells

Dated 7th March 1888.

A Joyce

~~Executive Engineer~~

Offg Supdt P.W. Work Shops and Stores

Circle— 5th

Division— Presidency Work Shops

ESTIMATE FORM.—Abstract.

(To accompany the Detailed Estimate No.
of 1887-88 for " Making Wrought iron
Record Racks with Wooden Shelves
for Record Rooms.

E./

P.W. 1825

Amount of Estimate Rs 177.

Iron record racks with wooden shelves.

P. W. Workshop – Specification

1. The Racks are built of T and L irons bolted together with $\frac{5}{16}$" bolts and nuts.

2. The 4 corner uprights are angle irons 2"×2"×¼" to which the horizontal L iron frame pieces are bolted. Each rack has a centre T iron stiffener 2"×1"×¼" front and back, to which the T iron cross frames are attached.

3. The shelves are frames of teak wood battens, ~~made with frames~~; each frame is in two parts to enable it to be slipped into position easily. The top of each rack is closed with ½" moveable planking.

4. Each ~~the~~ racks ~~are~~ is provided with 6 cast iron shoes to take the ends of the ~~framing~~ uprights as shewn in the drawing.

5. When the racks are placed against walls they are secured by bolts passing through the walls as shown in the drawing

6. Where there is no adjacent wall, the racks are kept upright by means of tie bars, one arrangement of which is shewn in the drawings

16. 3. 88

1098
11

PRESIDENCY P. W. WORKSHOPS,

No. 2751/W.

Madras, 23rd February 1888.

From A. Joyce Esqr.

GENERAL SUPERINTENDENT,
PUBLIC WORKS WORKSHOPS,

To

THE Deputy Chief Engineer P.W.D.
Chepauk
Madras

SIR,

With reference to your Memo No. 6510, dated 14th February 1888, and in continuation of my letter No. 2748/W dated 22nd Idem, I have the honor to enclose standard plan and revised estimate for iron record racks, for record rooms.

I have the honor to be
Sir
Your Most obdt. Servant
A Joyce
General Supdt. P.W. Wkshs.

Enclosures 5

× 1 Plan (Standard)
[illegible]
(separately sent)
Ctn 1795 sent
to CEW yesterday
23/2
Passed on yesterday

P.W.C. No 1825

bw 821 C of 28. 2. 88.
" 651 C of 14 - 2. 88
" $\frac{87C}{II}$ of 9. 1. 88. with Ch. 3427 of 88
80A.w 220 W of 19. 1. 88
" " " 2391 W of 5. 9. 87

Presidency P. W. Workshops.

From
THE GENERAL SUPERINTENDENT,
PUBLIC WORKS WORKSHOPS,
Madras,

To
The Dy Chief Engineer
P.W.D
Madras

No. 2751 W.

Dated 23rd February 1888.
Despatched 23rd February 1888.
Received 24

No. OF ENCLOSURES. 5 $\frac{3}{8}$ 8
& 2 Plans Stand

Subject.

Forwards, stand
Plan of Iron Record Racks
for Record Rooms - and Estimate
(revised) with reference to this
Office No 2748 W of 22nd Feby/88.
In compliance with Dy Chief
Engineer's Memo No 651 C of 14th

$\frac{0}{28/3}$. 0.25 $\frac{7}{III}$; Rev. Ang } Ch. Ang } 9.4.88. R. 9.4.88
A.w. 9.4.88 am. 10.4.88

1098 W

$\frac{1098}{12}$

Plans connected with
C. No 1825: which
with its file has
been sent by the
letter noted to
D.W.'s address.

10/4

1098 W

No 821C d/28.2.88.

PWCN 182

Presidency R. W. Workshops.

29/3. Rec. 9.4.88

C No 1825

1093/13

Dy W.

These are the Standard plans and Estimates for Iron Transit Trucks.

They were received from the workshops with the General Superintendents letter No 275 W d/23rd Feby/88 and sent to you the 28th idem.

As I don't know why they were returned to the Workshops I am unable to check them.

I returned them because they are incorrectly drawn. If you see anything that is not clear in the present drawings speak to me. 12.3.88

E in C ? 12/3/88.

Lw 8210 d/28.2.88.

1098/14

D.G.W.

Herewith the revised plans of the type design for an Iron Drum Rack with proposals. The estimate will, I think, have to be slightly altered as the additional lengths of angle iron for the tie bars, as first proposed, are dispensed with.

26/3/88.

The Specification also will need some alteration

26/3.

A.L. 9.4.88

Wo 821C d/ 28. 2. 88.

re record, packets

1098/15

S.A.W.

Herewith the plans & connected papers of the type plan of the iron sword rack. The order regarding its issue is on the file. Please let Insp. W. see the plans before despatching to W. as the details of the rack have been rearranged according to Insp. W's instructions and it seems necessary that he should see them before they go up to Col.

27/3/88

P70

bw. 821C of 28.2.88.

D.W.

If the drawings be now finally approved the draft order already initialled by you will be sent on to Ochy for approval & circulation.

Please say whether the Specification will suit the altered plans.

C.
27.3.88

I have altered the spec. slightly. The papers can go on.

W.
27.3.88

Dy. W.

The plans should be lithographed the Est. printed & both circulated in the Dept.
W.
15.3.88

1098/16

The alterations to the plan of the iron record rack have been completed & the plan is herewith sent for your inspection and approval.

If approved the plan I think may be lithographed and the Est: printed?

C.
15/3/88

The Est: also has been corrected, but no difference has been made in the Total, as it is merely

---

[illegible] 9.4.88 [illegible]

ew 821C of 28. 2. 88.

~~substituting~~ a plank 1/2" thick for the battens -

5/3

Iron record, racks with wooden shelves

~~Specification of Record Racks for Government Offices~~

~~designed in the Public Works Workshops~~

1198

12

R.W. Workshop Specification

1. The Racks are built of T and L iron fitted together with 5/16" bolts [illegible]

2. The 4 corner uprights are [illegible] 2"×2"×1/4" to which the horizontal L iron ~~[illegible]~~ frames pieces bars are bolted. ~~also to the front and back upright T irons~~ Each rack has a centre T iron stiffener 2"×1"×1/4" front & back.

3. The shelves are of teak wood battens made into ~~into~~ frames, ~~the cross pieces that take the battens are riveted to the short horizontal L iron and notches made in them to take the battens after the fashion of ordinary teak wood cots they can be easily lifted out & put together in a little time~~ each frame is in two parts to enable it to be slipped into position easily. The top of each rack is closed with 1/2" [illegible] planking.

4. The racks are provided with 6 cast iron shoes ~~to make them stand more firmly; [illegible] each of them having the same section as the vertical T and L iron but a little slack to put on, or steps them off easily.~~ to take the ends of the framing as shown in the drawing.

5. When the racks are placed against walls they are secured by bolts passing through ~~the L pieces that are riveted to the 2 upright L irons after passing the thickness of the walls and wall plate, the nuts are put on and screwed ~~[illegible]~~ tightly as will be seen from the plan.~~ the walls as shown in the drawings.

6) When there is no adjacent wall, the racks are kept upright by means of tie bars, one arrangement of which is shown in the drawing.

6/4/88

W. P. Baker

& Govt
icial Dept
r. Dept.

6/3. Hm. 9.4.88

6 When the rooms are large and the racks to be used as partition in this case 2 round iron tie bars say $\frac{5}{8}$" in diameter must be used the bars to pass through the flat iron pieces which will be rivetted to the top of the vertical ⊥ iron and secured to the opposite walls in the same manner [illegible] stated in the latter part of para 5. The tie ba[illegible] made a little thick and tapped [illegible] the flat iron pieces and the rack is secured to [illegible] bars by two check nuts [illegible] as shewn in [illegible]andard plan. No provision for tie bars is made on the estimate but the probable cost will be [illegible] annas per foot.

A Francis
Honorary Arch. Engineer

A Joyce
General Supt. P. W. Workshops

E.6
PW 1825/88
1098 W

Public Works Department.

1098/18

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the

Read the following

From the Genl. Supt. P.W. Workshops No. 275 W d/ 23.2.88

SECY. GOVT. MADRAS
27 APL 88
REV. DEPT.

The Standard plan for iron record racks for record rooms, as finally approved, will be lithographed, & the revised Specification & estimates will be printed & circulated to Officers & depts concerned, for information & guidance, in continuation of G.O. No. 2391 W d/ 5th Sept. 1887.

16. 3. 88

6/4/88

Military Dept

To Supdg. Engrs
Ch. E. for Irrign.
Cons. Engr. for Rlys.
[illegible]
C.A. to Govt.
Judicial Dept.
Rev. Dept.

with copies of plan & estimates.

1098/19

h/1744

[illegible]

Rev Gore

[illegible]

committee

[illegible] 7.4.55. Retd 9.4.58

Home 9.4.55. [illegible] 10.4.58.

Govt. of (1887) Madras.

PUBLIC WORKS.

Geol 13/14

Dated

Recd. Encl.

G.O., 2 [illegible] 1887, No. 1078 [illegible]

[illegible]

[illegible]

350/14

[illegible]