

- (1) பக்கங்களின் எண்ணிக்கை 46
 (2) புதுக்கித் திருப்பிய நாள் 1/90
 (3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம் 10/90

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

பாதி துறை

85

அரசாணை எண்.	3288	அச்சகம்
மு. கோப்புத் தாள் எண்.		பலவகை
நாள் :	20.11.1897	198

மடிக்கலோ கண்டபடி. கையாளவோ கூடாது

23

ஆவண. கர-1-18,008-18-6-87.

Q.B.

3288

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

From Colonel W. H. BURTON, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Chepāk, 6th November 1889, No. 5249.

With reference to G.O., No. 1755 W., dated 3rd July 1889, I have the honor to forward revised estimates for record racks, as per enclosed tabular statement showing the average cost of each rack—1st, to the Public Works Department, and 2nd, to other departments, and I would suggest that the tabular statement be printed and circulated.

ENCLOSURE.

TABULAR statement showing size, description, and the Public Works Workshops' prices for different record racks made and delivered at the Public Works Workshops.

Number.	MEASUREMENT.			Number of shelves.	ESTIMATED COSTS FOR.					
	Length.	Breadth.	Height.		Wrought-iron racks with wood battens.		Wooden racks with batten shelves.		Wooden racks with plank shelves.	
					Public Works Department.	Other departments.	Public Works Department.	Other departments.	Public Works Department.	Other departments.
	FT. IN.	FT. IN.	FT. IN.		RS.	RS.	RS.	RS.	RS.	RS.
1	12 0	1 3	12 3	19	403	504	202	252	257	321
2	13 6	1 3	9 0	15	293	366	167	209	213	266
3	4 6	2 6	13 0	21	265	331	132	165	161	201
4	8 0	2 6	9 0	15	231	288	162	203	198	248
5	6 0	2 6	9 11	17	225	231	135	169	165	206
6	6 0	2 6	9 9	16	222	277	132	165	161	201
7	6 0	1 3	13 0	21	215	268	107	134	137	171
8	6 0	1 3	12 3	19	205	256	101	126	129	161
9	6 0	1 3	12 0	19	203	253	99	124	126	158
10	5 6	1 3	9 0	15	157	196	68	85	87	109
11	5 0	1 3	3 0	5	67	84	20	25	26	33

6th November 1889.

(Signed) W. H. BURTON, Col., R.E.,
Superintending Engineer, V Circle.

ORDER—dated 20th November 1889, No. 3288 W., Public Works.

The statement submitted by the Superintending Engineer will be printed and circulated to departments of the Government for information.

(True Extract.)

Captain, R.E.,
Under-Secy. to Govt., P.W.D.

To Public, &c., departments.
„ Revenue Department.
„ Military Department.
„ Superintending Engineers.
„ the Consulting Architect to Government.

Exd. P. L. Pereira.
Spare Copies

3288

2

3288
BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1889} Madras.
PUBLIC WORKS.

Dated November, 20th.

Recd.

Encl.

G.O., 20th Nov. 1889, No. 3288 W.

NOVEMBER.

Record Racks

Tabular statement showing cost, &c., of
— at the Public Works Workshops, circu-
lated to departments of the Government
for information.

3288
12TH APRIL 1888, No. 1098 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

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

With reference to your memorandum, No. 651 C., 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.

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

The standard plan for iron record-racks for record-rooms, as finally approved, will be lithographed, and the revised specification and estimates will be printed and circulated to officers and departments concerned, for information and guidance, in 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.D.

To Superintending Engineers,
To the Chief Engineer for Irrigation,
" Consulting Engineer for Railways,
" Examiner, Public Works Accounts,
" Consulting Architect to Government,
" Judicial Department,
" Revenue "

} with copies of plan and estimates.

Exd. J. Moses.
Spare Copies

3288

ANNEXURE.
ESTIMATE FORM—Abstract.

Quantity.	Description of work.	Rate.	Per	Amount.	Total.
	<i>Wooden Ladder, measuring 10' x 1½'.</i>	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.

4

ESTIMATE FORM—Detail Measurements.

Detail of Work.	Number.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
<i>Record Racks, measuring 6' x 2½' x 9½'.</i>					L.B.	L.B.
Wrought-iron work—						
Angle iron for standards ...	4	9' 9"	0' 2"	0' 1"	130	
Do. for crosses ...	32	3' 0"	0' 1½"	0' 1"	192	
Do. for ties ...	8	8' 0"	0' 1½"	0' 1"	96	
Do. for holding ...	6	0' 4"	0' 3"	0' 1"	15	
T iron for centre standards ...	2	9' 9"	0' 2" x 1" x 1"		49	
Do. for crosses ...	16	3' 0"	0' 2" x 1" x 1"		120	
Bolts, holding ...	6	1' 6"	0' 1" Dr.		24	
Wall plates ...	3	6' 6"	0' 4"	0' 3"	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' 1"	11' 8" 7"	
Do. below ...	60	2' 6"	0' 1½"	0' 1"	0' 9" 0"	
Plank top ...	1	6' 0"	2' 6"	0' 1"	0' 7" 6"	
Total cub. ft. of teak-wood work.						18' 1" 1"

ESTIMATE FORM—Abstract.

Quantity.	Description of work.	Rate.	Per	Amount.	Total.
	<i>Record Racks, measuring 6' x 2½' x 9½'.</i>	RS. A. P.		RS.	RS.
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.		
<i>Record Racks, measuring 6' x 1½' x 12'.</i>					L.B.	L.B.
Wrought-iron work—						
Angle iron for standards...	4	12' 0"	0' 2"	0' 1"	161	
Do. for crosses ...	40	1' 9"	0' 1½"	0' 1"	140	
Do. for ties ...	10	6' 0"	0' 1½"	0' 1"	120	
Do. for holding ...	6	0' 4"	0' 3"	0' 1"	15	
T iron for centre standards ...	2	12' 0"	2" x 1" x 1"		60	
Do. for crosses ...	20	1' 9"	2" x 1" x 1"		88	
Bolts, holding ...	6	1' 6"	0' 1" Dr.		24	
Wall plates ...	3	6' 6"	0' 4"	0' 3"	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' 1"	7' 5" 1"	
Do. below ...	76	1' 3"	0' 1½"	0' 1"	0' 6" 0"	
Plank top ...	1	6' 0"	1' 3"	0' 1"	0' 3" 9"	
Total cub. ft. of teak-wood work.						8' 2" 10"

ESTIMATE FORM—Abstract.

Quantity.	Description of work.	Rate.	Per	Amount.	Total.
	<i>Record Racks, measuring 6' x 1½' x 12'.</i>	RS. A. P.		RS.	RS.
744 lbs.	of wrought-iron work ...	0 1 3	lb.	58	
60 "	of Sweedish iron ...	0 2 0	"	7	
220 "	of castings ...	0 0 10	"	11	
8½ 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 $\frac{1}{4}$ " 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.

3288

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1888) Madras.
PUBLIC WORKS.

Dated April, 12th.

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.

Reminder No. 1.
Reminder No. 2.
Reminder No. 3.
Reminder No. 4.

No. 142 *3288*

REVENUE DEPARTMENT.



OFFICIAL MEMORANDUM.

THE undersigned has the honor to request ^{in favor}

to No. 2563 of 11. vi. 89
Reminders sent to SGT (Cib)
Today - 2 Reminders - 894
on 2. 10. 89
5. 11. 89
an early reply to { Memo. } No. 3197, dated 23 May 1889,
calling for remark in regard to the increased
expenditure to be incurred in Iron Record
Racks and ladders for South Arcot District.

H. Althart,

Under Secretary.

OOTACAMUND,

3 September 1889.

To

Stu

The P. W. Dept.

Reminder No. 1.
Reminder No. 2.
Reminder No. 3.
Reminder No. 4.

REVENUE DEPARTMENT.

No. 194R

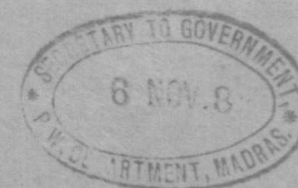
3288

OFFICIAL MEMORANDUM.

THE undersigned has the honor to request ^{the favor of} an
early reply to { ^{Memo.} Order } No. 3197, dated 23^d May
1889 calling for remarks in regard
to the increased expenditure to be
incurred in iron Record racks and
ladders for South Arcot District.

W. A. Stuart
Under Secretary.

Fort St George
OCTACAMUND,
4th Nov. 1889.



To

The Public Works Department.

X. C. H.

8

CWC 8.90.
Lono 25. (48)

Await S. C.'s
reply.

Prud

5.9.89 W

ESTIMATE FORM.—Abstract.

3288

Quantity.	Description of Work.	Rate.	Per	Amount	TOTAL.
-----------	----------------------	-------	-----	--------	--------

RS. RS. RS.

Iron Record Book
Measuring 12'-6" x 1'-3" x 12'-3"

1. 1880 lbs of W. Iron
2. 80 - lbs of Swedish Iron
3. 424 - lbs of G. Iron
4. 16 1/4 lbs of Teak Wood
5. Wood Screws
6. Painting
7. Fuel
8. Smiths and Filers
9. Machine Men
10. Turners
11. Carpenters

12. Total
13. Workshops General Charges at 10%
14. Additional Charges at 2.5%

15. Total Estimate Rupees

Approximate Cost for P.W. D. Rs. 403

do do Other Dept. Rs. 504

with Bolters

Wooden Record Book Approximate Cost for P.W. D. Rs. 202

do with Plank Shelves do do Other Dept. Rs. 1252

Grand Total of Estimate Rs. 257

Other Dept. Rs. 321

STATION Madras

Dated 13th September/89

20,000—26-9-58.

I. G. Jones

Chief Asst. Secy.

Chief Supt. P.W. Workshop

19 9

P. W. D. Form
No. M 207.

DIVISION—

(To accompany the Detailed Estimate No.
of 188 -8 for *

* Here enter the name and description of work in full.

3288

Quantity.	Description of Work.	Rate.	Per	Amount	TOTAL.
		RS.		RS.	RS.
	<u>Snow Record Rack</u>				
	<u>Measuring, 13'-6" x 1'-3" x 9'-2"</u>				
50 lbs	of W. Iron				
5 - doz	of S. - doz				
10 - doz	of L. - doz				
3/4	lb of Oak Wood				
	Wood Screws				
	Painting				
	Fuel				
	Smiths and Filers				
	Machine & Men				
	Turners				
	Carpenters				
	<u>Total</u>				
	<u>Workshops General Charges at 10%</u>				
	<u>Additional Charges at 25%</u>				
	<u>Total Estimate Prices</u>				
	Approximate Cost for P.W.D. Rs. 293				
	do do Other Dept. Rs. 366				
	with Batters Checks				
	do do approx ² Cent for P.W.D. Rs. 167				

do.	with Planks Shelves	do.	Grand Total of Estimate	213-
do.	do.	do.	Other Dept.	266
STATION	Madras.			

Dated 13th September 1891 } L. Guinier
20,000-26-9-58. } ~~Engineer~~ ^{Chief} Eng. R. E.
J. H. T. Supt. ~~Engineer~~ ^{Chief} W. Workshop

20,000-26-9-58.

REFERENCE TO MADRAS P. W. D. CODE,
EDITION OF 1886.
PARAS. 921, 932, et. seq., 949, 952-955, 962-964.

P. W. D. FORM
No. M 207.

CIRCLE—

DIVISION—

ESTIMATE FORM.—Abstract.

(To accompany the Detailed Estimate No. _____
of 188-8 for _____)

* Here enter the name and description of work in full.

ESTIMATE FORM.—Abstract.

3288

Quantity.	Description of Work.	Rate.	Per	Amount	TOTAL.
		RS.		RS.	RS.
	<i>Iron Record Rack</i>				
	<i>Measuring 4'-6" x 2'-6" x 13'-"</i>				
<i>1070 lbs</i>	<i>of W. Iron</i>				
<i>64 dz</i>	<i>of S. Iron</i>				
<i>320 dz</i>	<i>of L. Iron</i>				
<i>14 bft</i>	<i>of Teak Wood</i>				
	<i>Wood Screws</i>				
	<i>Painting</i>				
	<i>Fuel</i>				
	<i>Smiths and Filers</i>				
	<i>Machine Men</i>				
	<i>Turners</i>				
	<i>Carpenters</i>				
	<i>Total</i>				
	<i>Workshop General Charges at 10%</i>				
	<i>Additional charges at 25%</i>				
	<i>Total Estimated Prices</i>				
	<i>Appropriation cost for P.W.D. Rs. 265</i>				
	<i>do do Other Dept. Rs. 351</i>				
	<i>with Bathing Shelves</i>				
	<i>Wooden Record Rack, Appropriation cost for P.W.D. Rs. 152</i>				
	<i>do do Other Dept. Rs. 165</i>				
	<i>do with Plank Shelves</i>				
	<i>do do</i>				
	<i>Grand Total of Estimate</i>				<i>161</i>
	<i>do do Other Dept. Rs. 201</i>				

STATION *Madras*
Dated *27th September 1899*

20,000-23-9-58.

S. K. Sivas *9th Oct. 1899*
Supt. P. W. Workshops

77 a

REFERENCE TO MADRAS P. W. D. CODE,
EDITION OF 1886.
PARAS. 921, 932, *et. seq.*, 949, 952—955, 962—964.

P. W. D. Form
No. M 207.

CIRCLE—

DIVISION—

ESTIMATE FORM.—Abstract.

(To accompany the Detailed Estimate No.
of 188 -8, for * _____)

* Here enter the name and description of work in full.

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	TOTAL.
		RS.		RS.	RS.
	<u>Iron Record Rack.</u>				
	<u>Measuring 8'-1" x 2'-6" x 9'-1"</u>				
20 lbs of W. Iron	_____				
55 lbs of S. do	_____				
20 lbs of C. do	_____				
16 lbs of Oak Wood	_____				
	Wood Screws				
	Painting				
	Fuel				
	Smiths and Filers				
	Machine Men				
	Turners				
	Carpenters				
	<u>Total</u>				
	<u>Workshops General Charges at 10%</u>				
	<u>Additional Charges at 25%</u>				
	<u>Total Estimate Prices</u>				
	<u>£</u>				
	Appropriation Cost for P. W. D. Rs. 231				
	do do P. W. D. Rs. 288				
	do do P. W. D. Rs. 162				
	do do P. W. D. Rs. 203				
	do do P. W. D. Rs. 198				
	do do P. W. D. Rs. 248				
	<u>Grand Total of Estimate</u>				

STATION *Madras*

Dated 2 September 1899

20,000-26-9-58.

Grand Total of Estimate

4th bal: P.E.

~~16~~ ~~17~~ ~~18~~ ~~19~~ ~~20~~ ~~21~~ ~~22~~ ~~23~~ ~~24~~ ~~25~~ ~~26~~ ~~27~~ ~~28~~ ~~29~~ ~~30~~ ~~31~~ ~~32~~ ~~33~~ ~~34~~ ~~35~~ ~~36~~ ~~37~~ ~~38~~ ~~39~~ ~~40~~ ~~41~~ ~~42~~ ~~43~~ ~~44~~ ~~45~~ ~~46~~ ~~47~~ ~~48~~ ~~49~~ ~~50~~ ~~51~~ ~~52~~ ~~53~~ ~~54~~ ~~55~~ ~~56~~ ~~57~~ ~~58~~ ~~59~~ ~~60~~ ~~61~~ ~~62~~ ~~63~~ ~~64~~ ~~65~~ ~~66~~ ~~67~~ ~~68~~ ~~69~~ ~~70~~ ~~71~~ ~~72~~ ~~73~~ ~~74~~ ~~75~~ ~~76~~ ~~77~~ ~~78~~ ~~79~~ ~~80~~ ~~81~~ ~~82~~ ~~83~~ ~~84~~ ~~85~~ ~~86~~ ~~87~~ ~~88~~ ~~89~~ ~~90~~ ~~91~~ ~~92~~ ~~93~~ ~~94~~ ~~95~~ ~~96~~ ~~97~~ ~~98~~ ~~99~~ ~~100~~

15-13

CIRCLE—

DIVISION—

ESTIMATE FORM.—Abstract.

(To accompany the Detailed Estimate No.
of 188-8 for

* Here enter the name and description of work in full.

ESTIMATE FORM.—Abstract.

3288

Quantity.	Description of Work.	Rate.	Per	Amount	TOTAL.
		RS.		RS.	RS.
	<i>Iron Record Rack</i> <i>Measuring 6' " x 2' 6" x 9' 11"</i>				
1.	850 lbs of W. Iron				
2.	60 lbs of S. do				
3.	320 lbs of L. do				
4.	13 bpts of Teak Wood				
5.	Wood Screws				
6.	Painting				
7.	Gravel				
8.	Smiths and Filers				
9.	Machine Men				
10.	Turners				
11.	Carpenters				
12.	Total				
13.	Workshops General Charges at 10%				
14.	Additional Charges at 25%				
15.	Total Estimate Rupees				
	Appropriation Cost for P. W. D. Rs. 225				
	do do Other Dept. Rs. 281				
	With Bunting Shiloes				
	Wooden Record Rack Appropriation Cost for P. W. D. Rs. 135				
	do do Other Dept. Rs. 169				
	do do P. W. D. Rs. 165				
	do do Other Dept. Rs. 206				
	Grand Total of Estimate				

STATION

Dated

30,000—23-9-58.

Madras
September/89

Grand Total of Estimate

By *[Signature]* *[Signature]*
Supt. P. W. Workshops.

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P. W. D. FORM
No. M 207.

DIVISION-

(To accompany the Detailed Estimate No.
of 188 -8 for * _____)

* Here enter the name and description of work in full.

3288

Quantity.	Description of Work.	Rate.	Per	Amount	TOTAL.
		RS.		RS.	RS.
	Iron Record Racks				
	Measuring 6'-" x 2'-6" x 9'-9"				
	Boths of W. Iron				
	Boths of S. do				
	Boths of C. do				
	Boths of Oakwood				
	Wood Screws				
	Painting				
	Fuel				
	Smiths and Filers				
	Machine Men				
	Turners				
	Carpenters				
	Total				
	Workshop General charges at 10%				
	Additional charges at 25%				
	Total Estimate Rupees				
	Approx ² Cost for W. D. Rs 222				
	do do Other Dept. Rs 277				
	with Rattin Chelms				
	Record Book, Approx ² Cost for P. W. D. Rs 132				
	do do Other Dept. Rs 165				
	do do P. W. D. Rs 161				
	do do				
	do do				
	do do				
	Grand Total of Estimate				

STATION

Dated _____

20,000-26-9-58.

$\frac{4}{5}$ bel: R. E

~~Executive Director~~
J. L. Tupper, Jr. P. W. Workshops.

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P. W. D. FORM.
No. M 207.

CIRCLE—

DIVISION—

ESTIMATE FORM.—Abstract.

(To accompany the Detailed Estimate No. _____
of 188 -8 for _____)

* Here enter the name and description of work in full.

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	TOTAL.
		RS.		RS.	RS.
	<u>Iron Record Book</u> <u>Measuring 6' " x 1' 3" x 13' "</u>				
1.	890 lbs. Iron _____				
2.	64 - dz. of A. - dz. _____				
3.	320 - dz. of B. - dz. _____				
4.	9 bbl's of Teak Wood _____				
5.	Wood Screws _____				
	Painting _____				
	Fuel _____				
	Smiths and Filers _____				
	Machine Men _____				
	Turners _____				
	Carpenters _____				
	Total _____				
	Workshop General Charges at 1% _____				
	Additional charges at 25% _____				
	Total Estimate Rupees _____				
	Approximate Cost from P.M.D. Rs. 215- do do Other Dept. Rs. 268-				
	with Batter Shelves Madras Record Book - approx ² / ₃ cost for P.M.D. Rs 107- do do other Dept. Rs 134-				
	Rs with Blanky Sheet do Grand Total of Estimate ... 137-- do Madras do do Other Dept. Rs 171--				

STATION

Dated

20,000-26-9-58.

Grand Total of Estimate

$\frac{1}{4}$ Mol: Po. E

4th Sept. P. M. Workshop

~~3~~ 18

CIRCLE—

DIVISION—

ESTIMATE FORM.—Abstract.

(To accompany the Detailed Estimate No.
of 188 -8 for *

* Here enter the name and description of work in full.

ESTIMATE FORM.—Abstract.

3288

Quantity.	Description of Work.	Rate.	Per	Amount	TOTAL.
		RS.		RS.	RS.
	<i>Iron Record Rack</i> <i>Measuring 6" x 1-3" x 12-3"</i>				
1.	<i>800 lbs of W. Iron</i>				
2.	<i>64 lbs of S. do</i>				
3.	<i>320 lbs of L. do</i>				
4.	<i>8 1/2 lbs of Teak Wood</i>				
5.	<i>Wood screws</i>				
6.	<i>Painting</i>				
7.	<i>Fuel</i>				
8.	<i>Smiths and Filers</i>				
9.	<i>Machine Men</i>				
10.	<i>Turners</i>				
11.	<i>Carpenters</i>				
12.	<i>Total</i>				
13.	<i>Workshops General charges at 10%</i>				
14.	<i>Additional charges at 2.5%</i>				
15.	<i>Total Estimate Refus</i>				
	<i>Approximate cost for P. W. D. No. 205</i>				
	<i>do do Other Dept. No. 256</i>				
	<i>with Rattling Shelves</i>				
	<i>Wooden Record Rack, Approximate cost for P. W. D. No. 101</i>				
	<i>do do Other Dept. No. 126</i>				
	<i>do with Plank Shelves</i>				
	<i>do Madras</i>				
	<i>do do Other Dept. No. 126</i>				

STATION

Dated

15 September 1899

20,000-28-9-58.

Grand Total of Estimate

129

H. L. Jones

8th Col. R.E.

Executive Engineer

H. L. Jones

12/16

DIVISION—

(To accompany the Detailed Estimate No.
of 188 -8 for * _____)

* Here enter the name and description of work in full.

3288

STATION *Nebraska*

Dated 13th September/89

20,000-26-2-68.

Grand Total of Estimate

Other Dated.

lance Lt Col: R. E

Excentric Engineer.
J. L. Swift, P. M. Workshops.

#17

* Here enter the name and description of work in full.

20,000-2500-88.

Grand Total of Estimate

1/2 Sept. P.W. Workshop
 1/2 Sept. P.W. Workshop

P. W. D. FORM.
No. M 207.

CIRCLE—

DIVISION—

ESTIMATE FORM.—Abstract.

(To accompany the Detailed Estimate No.
of 188 -S for

* Here enter the name and description of work in full.

ESTIMATE FORM.—Abstract.

3288

Quantity.	Description of Work.	Rate.	Per	Amount	TOTAL.
		RS.		RS.	RS.
	<i>Iron Board Arch.</i> <i>Measuring 5'-4" x 1'-3" x 3'-1"</i>				
1.	230 lbs of W. Iron				
2.	10 -ds- of S. -ds-				
3.	260 -ds- of L. -ds-				
4.	2½ lbs of Teak Wood				
	Wood Screws				
	Painting				
	Fuel				
	Smiths and Filers				
	Machine Men				
	Turners				
	Carpenters				
	Total				
13.	Workshops General charges at 10%				
14.	Additional charges at 25%				
15.	Total Estimate Rupees				
	Approximate Cost for P. W. D. Rs. 67				
	do do Other Dept. Rs. 84				
	with Buttend Shelves				
					20
					25

do with Plank Shelves Grand Total of Estimate 26

STATION Madras.
Dated September/89

By *[Signature]* Jt. Secy. P. W. D.
Jt. Secy. P. W. Workshops

CIRCLE—

DIVISION—

ESTIMATE FORM.—Abstract.

(To accompany the Detailed Estimate No.
of 188 -8 for

* Here enter the name and description of work in full.

Tabular Statement showing, size, description, and
the P.W. Workshops prices for different Record racks
made and delivered at the P.W. Workshops.

Measurement				No. of shelves	Estimated costs for					
Length	Breadth	Height	Wrought iron racks with wood battens		Wooden racks with batten shelves		Wooden racks with plank shelves			
			P.W.D.		Other Departments	P.W.D.	Other Departments	P.W.D.	Other Departments	
1	12'-0"	1'-3"	12'-3"	19	403	504	202	252	257	321
2	13-6	1-3	9-0	15	293	366	167	209	213	266
3	4-6	2'-6"	13-0	21	265	331	132	165	161	201
4	8-0	2-6	9-0	15	231	288	162	203	198	248
5	6-0	2-6	9-11	17	225	281	135	169	165	206
6	6-0	2-6	9-9	16	222	277	132	165	161	201
7	6-0	1-3	13-0	21	215	268	107	134	137	171
8	6-0	1-3	12-3	19	205	256	101	126	129	161
9	6-0	1-3	12-0	19	203	253	99	124	126	158
10	5-6	1-3	9-0	15	157	196	68	85	87	109
11	5-0	1-3	3-0	5	67	84	20	25	26	33

4 5 5 5 4 5 5 5 5 5 4 1/2

W. S. Dutton

6 Nov/89.

Colonel R. Suptg. Engineer 5 Circle

21-20

Public Works Department.

Current No. 10,679
 Letter No. 5,249
 Dated 6th November 1889
 From the Supy: Eng: I. Birds

See within

NOTE OF REMARKS. ^{run}
15.11.89

In conformity
 with the order of
 Govt. in G.O. No 17554
 of 3rd July 1889, the
 Supy: Eng: I. Birds
 submits for approval
 skeleton estimates,
 i.e. estimates without
 rates or amounts,
 for Iron & Wooden
 Record Trucks with
 a Cylindrical Tank -
 Inlet showing
 the average cost
 of each truck to
 the P.W. Dept. & to
 the Dept. of
 Suggs that they
 may be printed
 & circulated -

The estimates for
 Record Trucks required

A 32884 20-11-89

Encls 1
 PW 10679
 89

by the Collector of
Sautte Arcot appear
to require sanction
but before sanction
is recorded if may
be well to refer
the Estimates to
S.E. in view to ascertaining
whether the rates
quoted in them
are still in force
as the Estimates
were prepared
in June last &
the Supt. T.M. Works
seems to expect
frequent fluctuation
in rates will please
2 of his letter 229/11
of 10th April 1889.

Cm
16/11/89

Rev
The revised estimate,
showing an increase of Rs. 276,
for the record roads for S. Arcot
collection office, was referred
to Mr. D. "for remarks." The
reference has not yet been
replied to.

Cm
16-11-89

3288 (early next month, if
necessary)
Send over the remainder
L.H. II about the rates
of S. Arcot. 256 D of 1st Jan/89
The present C.M. 10679
can lie over, until a
reply is received to
256 D.

WMS
10.11.89

20

3288
SUPERINTENDING ENGINEER'S OFFICE,
V CIRCLE, MADRAS,
Chepak, 6 Nov. 1889

No 5249

From Colonel W.A. Buntouk.

SUPERINTENDING ENGINEER,

V CIRCLE,

To

The Chief Engineer

P.W. Department

Print out
with
enclosure

SIR,

Enclosures
11 Estimates
1 Statement.

With reference to G.O. No 1753 W,
dated 3rd July 1889, I have the honor to
forward revised estimates for record
roads, as per enclosed tabular state-
ment showing the average cost of each
road 1st to the P.W. Department and 2nd
to other Departments and I would suggest
that the tabular statement be printed
and circulated.

I have the honor to be

Sir

Your most obedt servant

W.A. Buntouk

Col. P. 8.

Suptg. Engineer V Circle

22

32 1755 W 8 3/7/89
" 256 0 3 1/4/89

*Bringing the matter
first looked*

No 3288 W 2/20 Nov 1889

A

The statements
The statements
submitted by the Suptg
Engineers will be
printed and
circulated to Depts
of the Govt for
information

F.C. 5423 C 21-11-89
Wm
20-11-89

Recd
21/11/89

- The Public Gen Depts
- Revenue Dept
- Indus Dept
- Suptg. Engrs
- C. A. to Govt

27/11

CC

Wm 10679

From
THE SUPERINTENDING ENGINEER,
V CIRCLE,

To
THE
Chief Engineer
P. W. Dept.

Dated 6th
Reed. 8th November 1889

ENCLOSURES. 12

No. 5249

Records Books.

Forwards revised Eski
- make form

Recd
11/11/89

W. H. S.

3288
2/3

10679.

Govt. of Madras

PUBLIC WORKS.

Dated

Dec 12. 11. 57

Read

Encl.

G.O. No. 1887 No. 320

Record No.

Tabular Statement
showing cost of
at the P.W. works
Circulated to be kept
of the Govt. for
information

~~10679~~

220
221

(23)