

Public Works (189⁸) Department.

G.O., No. 11432 *W*

DATED 8 June 98

[Despatch Abstract.]

*Levy Prussiate Process: Letter from
the Suptt, Gun Carriage Factory, explaining
in detail the ———, communicated to
Officers of the P.W.D. in continuation of No 10846
of 2 May '98.*

Letter from the Superintendent, Gun Carriage Factory, explaining in detail the —, communicated to officers of the Public Works Department in continuation of G.O., No. 1094 W., dated 2nd May 1898.

No. 1432 W., 8th JUNE 1898.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following papers:—

Memorandum from W. B. DEWINTON, Esq., Acting Chief Engineer, Public Works Department, to the Superintendent, Gun Carriage Factory, Madras, dated 2nd May 1898, No. 2355 C.

The undersigned has the honour to request that the Superintendent, Gun Carriage Factory, Madras, will be so good as to explain the process by which non-sensitised paper can be sensitised as reported in his letter to the Superintendent of Stationery, No. 138/D/8143, dated 21st February 1898.

From Major C. C. TOWNSEND, R.A., Superintendent, Gun Carriage Factory, Madras, to the Acting Chief Engineer, Public Works Department, dated 16th May 1898, No. D/859.

In reply to your No. 2355 C., of 2nd instant, I have the honour to state—
For ferro-prussiate process or white lines on blue ground, the process is as follows:—

Make a solution of—

(1) { Citrate of Iron and Ammonia	...	...	...	...	100 grs.
Water	...	...	...	...	1 oz.
(2) { Prussiate of Potash (red)	...	...	...	...	70 grs.
Water	...	...	...	...	1 oz.

mix equal quantities of each and sponge the paper to be sensitised with this solution, hang up to dry in the dark, print as in photography from good tracing on cloth as negative in sun till paper turns a dark green color, then wash in water till white lines are sufficiently white, hang up to dry and the print is ready for use—see specimen print sent. This paper should be kept in the dark after being sensitised and the solutions should not be mixed until wanted for use. This is called "Ferro-prussiate process", or white lines on blue ground.

ORDER—No. 1432 W., dated 8th June 1898.

Communicated to officers of the Public Works Department in continuation of G.O., No. 1094 W., dated 2nd May 1898.

(True Extract.)

Under Secretary to Government.

To the Chief Engineer for Irrigation.
" Superintending Engineers.
" the Consulting Architect to Government.
" the Superintendent of Works, Lighthouse Division.

Fkd. W. D'Moss.

Public Works (1898) Department.

CURRENT No. 4304

Read memo no 2355C }
Current no 4304 } PrintFrom The Supdt. Gun Carriage
Factory, Madras.

No. 1432 W of 8.6.98

Communicated

Copies of the P.C. - sent,
in continuation of G.O.

No. 8/859

No. 1094 W of 2nd May
1898.

Dated 16th May 1898.

Received

Registered

Enclosures one.

Spare copies

SUBJECT.

"Ferro Prussiate Process."

Giving the details of—

2000 ch. 5. 5. 5.

Subj. 5. 5. 5.

C.A. 5. 5. 5.

S. 5. 5. 5.

S. 5. 5. 5.

S. 5. 5. 5.

BACK PAPERS.

G.O.	No.	Department.	Date.
	2355C PW		2-5-98
	1094W.		2-3-98
	2880C.		21-7-96
	563W.		2-3-94
	4022C.		29-11-93

FURTHER PAPERS.

G.O.	No.	Department.	Date.

ORDNANCE DEPARTMENT.

No. 859

From

THE SUPERINTENDENT,

GUN CARRIAGE FACTORY,

MADRAS,

To

The Acting Chief Engineer,

P. W. Department,

MADRAS.

GUN CARRIAGE FACTORY OFFICE,

Madras, 16th May

1898.

Sir,

In reply to your No. 2355 C of 2nd instant, I have the honor to state,

For Ferro Prussiate Process or White Lines on Blue ground, the process is as follows:-

Make a solution of

1. { Citrate of Iron & Ammonia 100 grs.
{ Water 1 oz.
2. { Prussiate of Potash (Red) 70 grs.
{ Water 1 oz.

mix equal quantities of each and sponge the paper to be sensitized with this solution, hang up to dry in the dark-prints as in photography, from good Tracing on cloth as negative in sun, till paper turns a dark green color, then wash in water till white Lines are sufficiently white, hang up to dry and the print is ready for use; see specimen print sent. This paper should be kept in the dark after being sensitized and the solutions should not be mixed until wanted for use.- This called "Ferro Prussiate Process" or white lines on Blue ground.

I have the honor to be,

Sir,

Your most obedient servant,

C.C. Lowrey

Major R.A.,

Superintendent Gun Carriage Factory.

ADDENDUM TO PARA 2 OF C.C.F.B. INSTRUCTIONS N^o 215.

I.L.C. § 2886.

WHERE THE DISTANCES BETWEEN CONSECUTIVE 100 YARD RANGE GRADUATIONS VARY CONSIDERABLY, (AS AT LOW RANGES) THE TANGENT ELEVATION FOR THE 50YARD GRADUATIONS, FOR HIGH AND LOW TIDE, MUST BE CALCULATED

(Signed)

Stanley Smith Major R.A.
Supdt. Gun Carriage Factory
Bombay 16-7-97.

(True Copy)

Captain R.A.
Offg. Supdt. Gun Carriage Factory
Madræs 97.

4.6
30.114
97

160 2353C 8 2-5-98

Drawn throughout the process

13/2087
1370

[Faint handwritten notes on the left page]

[Faint handwritten notes at the top of the right page]

No 2355 C 2-5-98
Public Works Department.

Memorandum.

The undersigned has the honour to request that the Superintendent, Gun Carriage Factory, Madras, will be so good as to explain the process by which non-sensitised paper can be sensitised, as reported in his letter to the Superintendent of Stationery No: $\frac{138/D}{8143}$ of 21st February 1898.

[Signature]
27.4.98

To The Suptt. Gun Carriage Factory, Madras

[Signature]
3/5/98

7/5/98

How is the sensitizing
to be done? I see
no instruction about
this, & officers are
here to ask about

It: 2355 C
H. H. H.
W. H. 50

W

There is no information in
the file as to how the sensitizing
is to be done. The suggestion
originated from the Executive
Engineer, Tanjong Division, vide
para 5 of the letter from the S. E.
Circular No: 308 of 29-9-96
Flagg B, but the process has
not been explained.

In C. No: 3241, the Supt. of
Stationery states that the Supt.
Gun Carriage Factory has secured
satisfactory results by obtaining
non-sensitized paper from the
Stationery office and sensitizing it
when required.

The C. E. Tanjong Division and
the Supt. Gun Carriage Factory
are the only officers that seem to
know anything about the process.

of sensitivity. Orders are therefore
rejected as to whether these
officers may be asked to ex-
plain the process.

Let's understand our
situation. It is a
deliberate act. 26/4/98

ask the inst. from
Carrage Factory.

W.S.
W.S.