Public Works Department.

From

THE CONSULTING ARCHITECT

TO THE GOVERNMENT OF MADRAS,

To

THE Chief Engineer
P. W. D.

No. 2016

Dated 22nd August 1895.
Received

No. OF ENCLOSURES.

Subject.

Requesting to obtain the sanction of Govt. for purchasing all the Professional papers on Architecture & Building in this Thomson College.

Rd 23-8-95

No 2171 Wks 30 August 1895

Sanctioned
Sanctioned

Secy

CWDs
26/8/95

No. 2519 C of 15-8-95

DESPATCH
AUG 93

C to look
Ewar Nola

O.L.S. 325 & 28

[G/53.]
500—26-2-95.

Judicial Department.

CHIEF SECRETARIAT MADRAS.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following paper:—

From the Inspector General of Registration, dy 31st July 1895, No 2156 G, requesting sanction for constructing an office building for the Subregistrar of Venkatagiri, Nellore District on the Standard design for smaller offices with terraced roofing approved in P. O. dated 21st July 1888 No 2230 W.

Order, dy 17th August 1895, No 1724.

The Inspector General's proposal is approved and the necessary orders for the preparation of plans and estimates will be issued in the Public Works Department.

[True Extract]

Lionel Davidson
AS
Ag: Under Secretary to Govt.

To

The Public Works Department.
& Inspector General of Registration.

Govt. of {189} Madras.

P. W. CURRENT NO. 6493

To

The Public Works Dept

Recd: 26-8-95

No. 2166 W dy 30 August 1895

B

Communicated to the Supt.g Engr. II circle for submission of the requisite estimate

Proceedings, dated 17 August 1895.
No. 1724.

Subject.

Approving the Instr Engr's proposals to construct an office building for the Sub Registrar of Venkatagiri, Nellore Dt., on the standard design for smaller offices with terraced roofing and stating that the necessary orders for the preparation of plans & estimates will be issued in the Public Works Department.

No. 2230 W dy 21-7-88

C.A.B. 26/8/95

DESPATCHED 30.8.95

S.E. II circle

O.L.S. 327 R 28/8

Pondicherry 9th August 1895.

From

Adrien Pierre de Closets d'Ervy Esqre C.E.
Ingenieur ordre municipality
Pondicherry.

To.

The Secretary to government
Public work Department
Chepauk
Madras.

Sir I have the honour to bring to your kind consideration the following paper, with the hope that you will be pleased to point out to government the benefit which would likely derive from what I propose

In 1889 we undertook my Father and myself to carry a boring in search of artesian water in the Cuddalore valley at a village called Karuni

The bore hole was placed very near to the main supply channel of the redhills tank, at a depth of 42' feet below ground level a sheet of ~~standing~~ water was tapped which rose into the pipe and stopped at 6'6" below ground level, or 2'6" above the bottom of the supply channel passing along it, and 6" over the stream into it.

an orifice of 1" square was then cut upon the pipe and placed exactly 6" below the hydrostatic level of the water which was in the pipe.

The liquid flowed out under a head of 1.25" measuring from the surface of the water to the center of the orifice, the efflux being at 2'6" above the bed of the canal and 6" above the stream, the velocity of discharge collected for an orifice in thin sheet and for a head of 1.25" being 26.60"

26.80" per second I found that the delivery from pipe of 8". Diameter was as follow.

	c. inches.
Discharge in 1 second	26.80
D° per minute	4608.00
D° per hour	95,480,00
D° in 24 hours	2,315,520,00
or in cubic feet	1,340.00
or in cubic yard	49,62

As for the quality of water it was very good and wholesome running then in the canal and been in fact an artesian Well.

Supposing now if that instead of a borehole of 8" inches Diameter a well of 6" feet Diameter in sunk so as to tap that sheet at 42' feet and that the volume of delivery being proportional to the sectional areas, the delivery of this well will be 4.619 cubic yards, or gallons 679.638.00. per 24 hours

I am therefore of opinion that it would not be creditable to abandon a sheet of water so near the surface without being practically certain whether it could not be turned to useful purposes.

In such circumstance I observe that it would be well to make a trial at a trifling cost and pursue more investigation

I therewith send for your kind consideration a section with reduced scale.

I have the honor to ask Government to reconsider the project made by myself and also my Father upon the sheet of water found at 42' feet (Karez) near supply channel, and to agree to give to give

orders, to make a trial for a well I am proposing to sink to a depth of 42 feet with a diameter of 6' feet so as to allow the water of this well to be admitted into the supply channel, and for such object I have the honor to ask government to be willing to grant an expenditure of Rs 35 per lineal foot, total Rs 1470 for a depth of 42' feet.

or say in round number 1500 Rupees estimated for this work, and different instrument of the large bearing apparatus set, which I believe is now lying in the public work stores, can be used.

If such well is a success, more wells can be cut in several places to pick and supply a greater body of water.

I have the honor

to be

Sir.

your most obedient servant.

Theodore Hamilton

Engineer's office, Municipality.

Rue de Bussy.

Pondicherry.

P. W. CURRENT No. 6198

6 3350 w d/ 26-11-89
1287 w d/ 14-5-89
1213/A w d/ 7-5-89
1053 w d/ 17-4-89
488 w d/ 18-2-89
319 w d/ 5-2-89
108 cd/ 10-1-89
3934-5 w d/ 17-12-88
4143 cd/ 26-10-88
2455 cd/ 28-6-88
175 6 w d/ 13-6-88
3147 w d/ 21-11-87
1701 w d/ 24-6-87
3374 w d/ 22-12-86
1129 w d/ 5-5-86

Rd. 13-6-95
Encl (Sketch)

Scale Vertical = 2 feet to one Centimetre

77.00
72.00
67.00
62.00
64.00
62.00
Stream
Stiphly Canal
From Gorbals river
to Shalavatum Tank.
Boring
Road to Mallakas
& Trivellore
B.M.
7.00
64.6"
Boreing
Water supply pipe.

SECTION
From Road through Boring
and Stiphly Canal.

Surveyed by

P. W. Department.

No. 2165 W of 30th August 1895

Read the following:—

From A. P. Declosets Esq: C.E. Pondicherry d/ 9th August 1895.

P.W. 81
6198/95

FOR ORDERS.

The question appears to have been carefully considered in 1888 and 1889, and by P.O. No. 1213W/A dated 7th March it was decided to abandon the boring.

I cannot believe that any results commensurate with the expenditure would be obtained by renewing operations and therefore consider that no further action should be taken.

W
22 Aug.

20.8

W

43—500-6-3-94.

CH 24/8 95