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L. & M.
9,000-3-3-96.

Local & Munl. (1896) Department.

MISCELLANEOUS.

G.O., No. 1307-M

DATED 6th August 1896

[Despatch Abstract.]

Water-supply.

Communicating to the Sanitary Engineer with remark G.O. Judicial Department, requesting with remark, that the Assistant Sanitary Engineer, Southern Circle, may be called upon to submit, in consultation with the Inspector-General of Prisons, fresh proposals for the distribution of drinking water within the Trichinopoly 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.

[7]

INDEXED.
Miscellaneous.

LOCAL AND MUNICIPAL DEPT.
G.O., DATED 6-8-96
No. 1307/M

When given for copying.

[Despatch Abstract.]

Water-supply

Communicating to the Sanitary Engineer, with remark, G.O. J.D. requesting, with re-mark, that the Assistant Sanitary Engineer, Southern Circle, may be called upon to submit, in consultation with the Inspector General of Prisons, fresh proposals for the distribution of drinking-water within the Trichinopoly Central Jail.

[illegible]

Read again Order of Government, dated
189 , No. , Miscellaneous.

Back Paper, No.
of 189 .

Further Paper, No.
of 189 .

Enclosures.

Reminder [illegible] Cno 3211 [illegible]/96

Current No.

Statement with ditto.

Order of Government

Statement with ditto.

Papers not filed up, being meant for despatch
in original (not paged).

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Examined by [illegible]

No. 1132, Judicial, 8th July 1896.

GOVERNMENT OF MADRAS.

JUDICIAL DEPARTMENT.

Read—the following papers:—

From A. G. CARDEW, Esq., M.A., Inspector-General of Prisons, Madras, to the Chief Secretary to Government (through the Sanitary Board), dated Ootacamund, the 15th April 1896, No. 2180.

With reference to paragraph 8 of G.O., No. 2334, Judicial, dated 14th November 1895, in which I was directed to report on the water-supply of any jails wherein the supplies are defective, I have the honour to submit the following report on the water-supply of the Trichinopoly Central Jail.

2. The water-supply of this jail has long been known to be defective. On page 41 of the Jail Report for 1888, Colonel Porteous wrote—

> "The drinking-water in two wells in this jail is good, but it is very small in quantity and insufficient for jail requirements. The water of the other wells is characterized as indifferent and bad."

Drs. Walker and Lethbridge, who formed the Jail Commission appointed by the Government of India, visited the jail on the 16th and 17th January 1889, and remarked that the water-supply as well as the appliances for bathing were most defective. They recommended that an expenditure of Rs. 10,000 should be resorted to in improving the water-supply and they said that prisoners could with difficulty get a bath once a week. With his letter, No. 46, dated 3rd February 1890, Colonel Porteous submitted estimates amounting to Rs. 7,000 for improving the jail water-supply and recommended that the deepening of the well be first taken up. This was approved in G.O., No. 484, Judicial, dated 14th March 1890. In the following July, Colonel Macdonald Smith, in his letter, No. 240, dated 7th July 1890, submitted a report from the Superintendent of the Jail showing the serious want of water which had been experienced that year. This was disposed of by Judicial Reference on No. 2668 of 1890, dated 12th July 1890.

3. On 7th January 1891 in letter No. 5, Colonel Macdonald Smith again addressed Government regarding the urgent necessity of improving the water-supply of the Trichinopoly Jail, and in G.Os., No. 184 W., dated 20th January 1891, No. 1451 W., dated 27th May 1891, and No. 1672 W., dated 20th June 1891, further correspondence regarding the deepening of the drinking-water well is recorded. The upshot of this was that it was useless to continue to deepen the well, and Colonel Smith then proposed to collect water by surface drainage from a reserved area (his letter No. 286, dated 3rd August 1891), but as this was estimated to cost Rs. 25,000, he afterwards withdrew this proposal and suggested, in his letter, No. 13, dated 13th January 1892, that the jail should be included in the town supply scheme. That proposal was finally accepted by Government in G.O., No. 181, Judicial, dated 27th January 1892, and the improvement of the jail water-supply has since been awaiting the carrying out of the town supply scheme.

4. With my letter, No. 491, dated 28th January 1895, I submitted, for the approval and sanction of Government, estimates for connecting the jail with the town supply scheme and for providing the necessary hydrants and bathing cisterns for the utilization of the water. I stated that the estimate and plan had provided a bathing platform in every yard, but that, in order to reduce the cost, I had reduced the number of bathing platforms by one-half, thus bringing down the estimate from Rs. 9,180 to Rs. 6,540. The Government then called for information regarding the existing arrangements for bathing in the jail, and in my letter, No. 1154, dated 19th February 1895, I reported on the extreme inadequacy of these arrangements, stating that there is at present only one bathing cistern inside the jail, which is the single bathing place available for some 600 long-term convicts, while the short-term convicts, averaging about 300, bathe in rain-fed tanks in the garden, the water of which is never changed except by evaporation. The use of the same stagnant water by large numbers of men for weeks and months continuously being exceedingly uncleanly and unhealthy, I reported that the provision of proper bathing arrangements was imperatively necessary. In G.O., No. 574, Judicial, dated 14th March 1885, the Government directed that the matter should lie over until the Trichinopoly water project had been carried out, when the application should be renewed together with a statement of what charge would be made for the water.

5. I have accordingly now the honour to submit a copy of a letter, No. 730, dated 9th March 1896, from the Sanitary Engineer to Government, furnishing the required information. Water will probably be available for supply to the jail next month and the charge will be Rs. 584 annually. Mr. Jones points out that the Government has already agreed to accept this charge (G.O., No. 181, Judicial, dated 27th January 1892) and the plan and estimate was prepared by the Sanitary Engineer's Department in order to give effect to the orders of Government. It is, as already stated, absolutely necessary to improve the bathing arrangements of the Trichinopoly Central Jail, and the reduction of the proposed number of bathing platforms by one-half, as suggested by me last year, goes perhaps almost too far in the direction of economy. It would be preferable to have a bathing cistern for every block, as originally provided for in the estimate. If reduced to Rs. 6,540 the estimate will, it is observed, be the cheapest proposal for remedying the long-standing and serious defects in the water-supply of the Trichinopoly Central Jail which has hitherto been submitted.

6. The plans and estimates which were returned to me with G.O., No. 434, Judicial, dated 6th April 1896, are herewith resubmitted with the request that they may be approved and sanctioned, and that the necessary provision of funds may be made in the Financial Department to allow of the early execution of the work. This report is submitted through the Sanitary Board with reference to the Sanitary Commissioner's letter, No. 1796-S., dated 10th October 1895.

ENCLOSURE.

From J. A. JONES, Esq., MEM. INST. C.E., F.R.S.E., Sanitary Engineer to Government, to the Superintendent, Central Jail, Trichinopoly, dated Fort St. George, 9th March 1896, No. 730.

With reference to your No. 512, of 3rd March 1896, to the Assistant Sanitary Engineer, Trichinopoly, I have the honour to inform you that the water will probably be available to Trichinopoly and jail on or about the 15th May.

2. I beg to call your attention to the fact that the Trichinopoly jail is a participator in the water-supply scheme, *vide* G.O., dated 30th November 1891, No. 2113 M.—this fact, judging from the correspondence sent with yours above quoted, has apparently been lost sight of—the Jail Department having paid (or to pay) Rs. 6,126 on capital account and Rs. 584 annually for water. These amounts have been slightly modified and will further be so on completion of scheme and ascertainment of exact cost.

3. In the event of works having to be executed inside the jail, these ought to be estimated for and carried out by this department (on account of the municipality), the cost thereof being first paid to municipal funds. I gather from the Inspector-General's order, No. 1537-J. of 21st March 1895, that it was proposed that the Executive Engineer should do the work. This is not, however, a usual course and if bye-laws are previously passed would be inadmissible.

From J. A. JONES, Esq., MEM. INST. C.E., F.R.S.E., Secretary, Sanitary Board (Engineering Branch), to the Chief Secretary to Government, Local and Municipal Department, dated Fort St. George, 21st May 1896, No. 1583.

With reference to letter, No. 2180, dated 15th April 1896, from the Inspector-General of Prisons, Madras, to the Chief Secretary to Government, submitted through the Sanitary Board, I have the honour to forward herewith the Proceedings of the Sanitary Board, No. 1582, dated 21st May 1896, in connection with the water-supply of the Trichinoply Central Jail.

ENCLOSURE.

PROCEEDINGS of the Sanitary Board (Sanitary Engineering Branch), No. 1582, dated 21st May 1896.

PRESENT.

Surgn.-Lt.-Col. W. G. KING, M.B., C.M., D.P.H., Sanitary Commissioner for Madras.

J. A. JONES, Esq., MEM. INST. C.E., F.R.S.E., Sanitary Engineer to Government.

Read—Letter, No. 2180, dated 15th April 1896, from the Inspector-General of Prisons, Madras, to the Chief Secretary to Government, reporting on the defective state of the water-supply of the Trichinopoly Central Jail and suggesting certain proposals to remedy it.

Resolution.—The Sanitary Board, having considered the letter, No. 2180, dated 15th April 1896, from the Inspector-General of Jails to the Chief Secretary to Government, resolves to advise Government as follows:—

(1) The pressure which will be available at the jail will be only ten feet, and that is outside the jail gate: *vide* Sanitary Engineer's letter, No. 1371, dated 1st October 1891, included in G.O., No. 2113 M., dated 30th November 1891. This pressure on head will be much reduced by passage through small pipes, and cannot therefore be depended upon as the head available inside the jail.

(2) The pressure will probably be sufficient to supply fountains or hydrants at ground level, but it is not probable it will rise all over the jail to a height of seven feet.

(3) The Board recommends the construction of a tank to hold 10,000 gallons at such height as will command all the bathing places; this height can be determined only when its position has been decided on the size of the pipes communicating with the bathing places fixed.

(4) The water to be pumped in this tank by the convicts by pump placed on the main pipe.

(5) The bathing places to be simply platforms with horizontal overhead pipes supplied with the necessary number of swan-neck taps fitted with roses, only such amount of masonry being used as is necessary for platforms and to support pipes.

(6) The Board considers that the quarantine shed should have at least two bathing places.

(7) The distribution of the drinking-water supply and drainage arrangements to carry away the waste water should be shown on the plans when resubmitted.

(8) The Trichinopoly water-works are not yet fully in operation, and no test has yet been made of the ordinary pressure which will be available at the jail. With reference, therefore, to recommendation, No. 3, it is just possible that such a tank can be supplied direct instead of requiring convict labour for filling it. This point cannot, apparently, be determined for some time; it is, however, a matter of detail and need not stand in the way of the preparation of revised plans.

(9) The original plans were apparently prepared by the Assistant Sanitary Engineer, Southern Circle, at the request of Inspector-General of Prisons, and the same officer may be called on to submit fresh proposals in view of the above remarks.

No. 641.

Transferred to the Judicial Department.

FORT ST. GEORGE,
9th June 1896.

(Signed) W. W. PHILLIPS,
Acting Assistant Secretary.

Endorsement No. 1242.

Referred to the Inspector-General of Prisons for any remarks he may desire to offer with advertence to the recommendations of the Sanitary Board.

(By Order.)

OOTACAMUND,
19th June 1896.

(Signed) W. FRANCIS,
Acting Under Secretary.

From A. G. CARDEW, Esq., M.A., Inspector-General of Prisons, to the Chief Secretary to Government, dated Ootacamund, 24th June 1896, No. 4042.

I have the honour to return the papers referred to me for remarks under your endorsement, No. 1242, dated 19th instant, and to state that I have no objection to offer to the Sanitary Board's recommendations, but that I trust that the revision and execution of the estimates may not be long delayed, as the matter has long been awaiting final disposal.

ORDER—No. 1132, Judicial, dated 8th July 1896.

The Sanitary Board appears to have framed its proposals for the distribution of drinking-water within the Trichinopoly Central Jail with little regard for financial considerations. Including the annual charge for water the cost of the scheme submitted by the Board will amount to a far larger sum than the Government is prepared to devote to such a purpose. The provision of horizontal pipes fitted with cocks over the bathing platforms is an unnecessary expense and it seems sufficient if masonry troughs about three feet high (into which the pipes will discharge direct and out of which the water can be baled by the convicts) are constructed. The Assistant Sanitary Engineer, Southern Circle, will be called upon, in the Local and Municipal Department, to report whether there will be a sufficient head of water inside the jail to admit of the above arrangement being carried out, and, if there will be, to submit, in consultation with the Inspector-General of Prisons, fresh proposals, accompanied by plans and estimates, for the distribution of drinking-water within the jail in accordance with these instructions. Mr. Cardew will be requested to scrutinize the plans with care in view to determining whether economy cannot be effected by doing without some of the considerable length of piping which is estimated for, and report the result to Government. He should also report whether further reductions in the number of bathing platforms are not feasible. It seems unnecessary to have one for every other block.

(True Extract.)

Jr *Chief Secretary.*

To the Local and Municipal Department.
„ Inspector-General of Prisons, with plans and
estimates to be forwarded to the Assistant
Sanitary Engineer, Southern Circle, direct.

Exd. A. Raitt.

S. S. C.

Govt. of {1896} Madras.

JUDICIAL.

Issued.

Recd. Encl.

G.O., No. 1132, 8th July 1896.

JULY.

Trichinopoly Central Jail.

Directing, with remarks, that the Assistant Sanitary Engineer, Southern Circle, be called upon, in the Local and Municipal Department, to submit, in consultation with the Inspector-General of Prisons, fresh proposals for the distribution of drinking-water within the —.

(Withdrawn)

N/misc.

Order No. 1307 [illegible]

Communicated to the Sanitary Engineer with the request that he will obtain and submit the report called for from the Assistant Sanitary Engineer, Southern Circle.

V.R.
31/7/96

Fwd
4-8-96

To the Sanitary Engineer.

Augt. 11 1896

When given for copying
When copied
When examined
When signed
189

Read again G.O., No. dated 189 ,

Current No.

Enclosures to C. No.

Order of Government .. .. .. A A A A A A A

Letter of Government.

Statement with ditto.

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

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DEPARTMENT.

Paper taken out of the Records from the charge of the Referencer.

~~Press~~ Miscellaneous ~~Routine~~ No. 1307 m, dated 6-8-1896 193 .

Date taken out.	For what purpose.			Initials of clerk taking the paper or of attender.	Date returned.	Initials of attender.
	Department.	C. No.	Year.			
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