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Local & Munl. (1895) Department.

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G.O., No. 428 m

DATED 14th March 1895

[Despatch Abstract.]

Inspection Notes.

Recording, with remarks, Deputy Sanitary Commissioner's---
on the Bezwada Municipality.

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

Proc 21/1

14 March 428

JANUARY 1895, No M., LOCAL AND MUNICIPAL.

GOVERNMENT OF MADRAS.

LOCAL AND MUNICIPAL DEPARTMENT.

READ—the following paper:—

Inspection Notes of the Inspector of Vaccination and Deputy Sanitary Commissioner.

KISTNA DISTRICT.

BEZWADA MUNICIPALITY.

Inspected 16*th*, 17*th and* 18*th October* 1894.

Population as per census of 1891 ..	Males	11,404
	Females	9,337
	Total ..	20,741

Inspection Notes.	Chairman's Remarks.
The town is situated on the left bank of the Kistna, and at the foot of steep hills; the soil being lateritous gravel. The population having increased 122 per cent. in ten years, it is natural to find the older parts of the town overcrowded. Every effort should therefore be made to induce people to settle on the vacant sites available in the adjacent suburbs of Buckinghampet and Arundelpet.	As merchandise has fallen in Bezwada to a greater extent, there is no encouragement for building new houses, but attempts will be made on the subject. The probable railway extension of next year will, it is thought, result in new buildings.
2. *Roads.*—The roads were not in very good order when I inspected them and some were deep in mud. The main road leading from the quarry east of the town, past Arundel chattram, was in very bad order and in urgent need of thorough repair. The main roads were well swept, but some of the crooked lanes were used as latrines.	Necessary repairs will be carried out during 1895–96.
3. *Removal of Rubbish.*—There are 179 moveable iron dust-bins, or one for every 116 people. More are required, especially in the crowded parts of Old Bezwada. The same inefficient basket rubbish-carts are used as last year; I would suggest that until proper zinc-lined carts can be obtained, the back and front of the baskets should have basket-work doors fitted, so that more rubbish may be removed at one time. The present system is very wasteful as regards haulage power. The	This will be attended to when funds are available. This will be done immediately.

Inspection Notes.

rubbish is taken to the forest tope and there deposited irregularly among the trees. The depôt is on the banks of the old Bezwada tank, and therefore open to the same objections as were urged last year to the deposit in its bed. New sites on either side of the town are urgently required and should be selected at once in consultation with the District Medical and Sanitary Officer. The sale of rubbish realized only Rs. 10–15–4.

4. *Conservancy.*— There are twenty latrines, all of the objectionable "open-space" type. The walls are of sheets of corrugated iron, which could easily be used for the new standard pattern of bucket latrine ; I would therefore suggest the advisability of doing this. The actual expense ought not to be great as the foundations are to be of stone and cement the half cost being usually for iron sheets. The latrines are, as a rule, kept clean. Some of the latrines along the base of Bezwada hill are badly situated and liable to be scoured through by flood water from the hill; I pointed this out to the sanitary inspector. Some latrines here were surrounded by deposits of fœcal matter, and the smell was very bad after the previous night's rain. The fœces are removed in iron-covered carts to the forest reserve and there buried in trenches. There is no sale. The strength and cost of the conservancy establishment is shown in the margin.

		Rs.
1	Sanitary inspector ..	50
1	,, overseer ..	12
1	,, asst. overseer ..	8
6	,, peons	36
52	Scavengers	260
	Total monthly cost ..	366

Private Scavenging.—There are said to be only 504 privies in the town, and all of these are cleaned by the municipality. This, however, must, I think, be wrong information, as 504 is a very small proportion in a town of 20,000 inhabitants. I would therefore suggest that a systematic examination of all houses be made to ascertain the real number; as one of the most important duties of a municipality is the removal of all fœcal matter from the inhabited area*. The staff for the above work is one overseer, one maistry and ten scavengers; this is too small if all the latrines are cleaned daily†. The privies are of the same objectionable type as noted last year‡.

Chairman's Remarks.

When the doctor next visits Bezwada, this will be considered.

This will be attended to when funds are available.

The sanitary inspector is warned not to allow this again.

* The ward councillors have been requested to prepare lists of house-owners who have not handed over their latrines to municipality.

† The subject of increasing the staff is under consideration.

‡ The municipal councillors have been requested to induce people to adopt the latrine suggested by the Sanitary Commissioner in his last inspection notes. A committee of two councillors has been nominated in this behalf.

Inspection Notes.

Condition of Backyards.—The backyards in Old Bezwada are in a very dirty state, many having pits full of rubbish, ashes and manure. More stringent measures are evidently required. Large collections of manure are also to be found in the new paracheri north of the railway station.

5. *Drainage.*—The desirability of diverting the storm water from Bezwada hill is recognized by the council, but nothing has been done on the score of expense. A drain such as one sees constructed on hill sides to protect railways running along their bases is all that is required. If started at a point rather high up in the centre of the area to be protected and gradually sloped off at each side towards the river on the one side and the Bezwada tank on the other, I fancy no great difficulty will be encountered. The marshy bed of Bezwada tank has not yet been drained ; this might, I believe, easily be done by breaching the bund, and carrying a drain down past the market and through the town to the canal. By sub-soil-draining the bed of this tank by means of country tile pipes with open joints, as fields are usually done in England, a valuable building site might be made available for extension of the town.

Removal of Sewage.—As there are no drains in the town, one would hope to find some other means employed for removal of sullage water from the town limits, but, as a matter of fact, beyond the contents of 27 cesspools which are emptied daily, no sewage is removed. The sewage-sodden state of the sub-soil may then easily be imagined. For the performance of this work a staff of five carts and four scavengers is maintained, costing Rs. 60–8–0 monthly. If the council would invest in a single cylindrical iron cart fitted with hose and pump, drawn by two bullocks, the whole could easily be cleaned in a sanitary manner by two men; thus the working expenses might be reduced by half at least. When the cesspools are emptied they should be examined as to their water-tightness, and when found defective the owners should be compelled to cement-plaster them and to put in a backing of puddled clay below and at the sides outside the brickwork.

6. *Water-supply.* — Drinking-water is obtained from the river Kistna and the canals proceeding from it, as also from

Chairman's Remarks.

The sanitary inspector has been ordered to inspect backyards and report their condition.

When funds admit this will be carried out.

This will be considered when the town drainage scheme is taken in hand.

Two municipal councillors have been specially deputed to look after this work. When the number of cesspools is increased, a cart recommended by the Deputy Sanitary Commissioner will be purchased and a trial will be given.

This will be enforced for cesspools to be constructed hereafter.

Inspection Notes.

wells. The upper parts of the canal have not yet been protected from pollution, as boats are still moored here, people bathe and wash clothes, and sewage enters from the Sappers' lines and that neighbourhood. The various surface wells that exist throughout the area are in many cases imperfectly protected. The Wynch well at Arundel chattram requires repair of platform, and a drain to carry off spilled water. Two wells in private gardens north of the hill on which Mr. Harrison's bungalow is built had very marshy surroundings and were devoid of proper protecting platforms. Parson's well also in the bed of the old Bezwada tank requires pulleys and platform. These three last wells, all close together, contain good water and should be well protected and supplied with pulleys, or, better still, with hand-pumps. The post-office well and the slaughter-house well still have beams across them, though the removal of these was advised last year. The excellent supply that used to be available from the reservoir supplied by the well in the bridge abutment is not now available as the railway apparently use all that is to be had. Until a new and independent supply is obtained by the town I think it would be advisable to obtain a temporary supply from this source on payment.

7. *Chattrams.*—The Arundel chattram is now finished and was in good order. The latrines, however, should be plastered with Portland cement, as the lime now in use is fast crumbling away under the action of urine. The well also should be covered and a pump put in. Most of the other chattrams are built on very insanitary lines and the council should take action under sections 186 and 187 of the Municipal Act. The seraikhana in Sivalayam street is in a very insanitary state and so much out of repair as to be dangerous; it should be closed until certified to be in a safe and sanitary condition.

8. *Markets.*—There are two markets—the main one north of the old town and a smaller one in Buckinghampet. The former consists of four rows of tiled sheds in the open maidan; a wall or fence should be erected round it, and trees planted to give shade. Mutton is sold in a shed having a rough platform; this should be plastered with cement and

Chairman's Remarks.

Unless main canal wharf and boat stand is removed to some other locality, the nuisance complained of cannot be stopped.

The overseer has been ordered to submit an estimate. Repair will be executed.

Notice has been given to owners to provide platforms.

Municipal overseer has been ordered to do the needful.

The Executive Engineer, Kistna North division, has been requested to see to this.

The Kistna bridge engineer has been written to on the subject.

Municipal overseer has been ordered to submit estimate for the cost.

Ward councillors have been asked to submit lists, with their opinion on each chattram which lies in their wards.

The Collector of the Madura district, under whose control this building appears to be, has been addressed to look to its repairs.

Inspection Notes.

provided with drains to carry off the water with which it should be daily flushed. The meat is still exposed on dirty old boxes; these should be replaced by stone-slab tables with iron legs. The open-space latrine is still close to these stalls in spite of what was said last year. The beef stall is even worse, consisting of a roughly-paved shed in very bad repair. The meat is exposed on dirty mats. The floor should be smoothly cemented and supplied with drains and stone tables put in for the meat. The well here should be covered and a small force pump put in (costing under Rs. 100) so that all stalls may be regularly flushed out; the washings being conducted to a small sewage farm on the maidan, at a little distance.

9. *Slaughter-house.*—Nothing has been done here since last year, the place being in the same insanitary condition. Thirty animals are said to be slaughtered daily, and as an income of Rs. 715 was this year realized from the slaughter-house, I trust that something will be done soon to remedy the present horrible state of affairs. The animals are supposed to be seen and marked by the sanitary inspector, but as the mark merely consists of a few parallel cuts on the hair with scissors, there is nothing to prevent any one so marking the rejected sheep and passing them in for slaughter. A proper seal should be provided. The two sheep pens in front are in a very insanitary state and should be removed to a little distance.

10. *Disposal of the Dead.*—There are Christian and Muhammadan burial grounds in Buckinghampet both enclosed; but the latter is badly kept, being overgrown with crotons, &c. The Hindu burial ground is on the Kistna Lanka and is in the same state as last year, being overgrown with crotons. There is a Muhammadan burial ground between the dâk bungalow and the railway which should be closed.

11. *Vaccination.*—One vaccinator is employed and his work is supervised by the local medical officer. An examination of 149 school children gave the following result:—vaccinated 74, small-pox-marked 46, unprotected 29=19·4 per cent. This is a very high percentage and I would recommend that a census of all children under ten be taken as provided for in the Act. Out of sixteen cases marked for verification seven were found wrongly entered

Chairman's Remarks.

The overseer has been asked to submit estimate, and provision is made in budget for 1895–96 for the repairs of all market sheds.

This will be stopped and the sanitary inspector has been directed to do it immediately.

Provision has been made in the budget for 1895–96 for the repairs of slaughter-house and will be carried out.

An indent for a seal has been made on Messrs. Vest and Co., Madras.

This will be considered, but I doubt if land is available near enough to be suitable.

Notice has been given to the trustee in charge of the two Muhammadan burial grounds to cut crotons within 15 days on pain of prosecution.

This will be considered after conference with the trustees.

The vaccinator has been ordered to take a census of all children under ten at once.

Inspection Notes.

by the vaccinator. As this is the second time he has been detected in falsification, I would recommend a severe fine now, and dismissal if no improvement takes place. The municipality maintain a vaccine depôt of their own; the lymph is good at present. From February 1893 to end of January 1894 the number of births registered was 631; of these, 309 have been vaccinated, 226 have left or died, and 96 remain unprotected.

First-class Vaccinator M. Chellapatti Rao has 14 years' service, of which six have been in the municipality. Pay Rs. 15. Instruments and books in good order.

Chairman's Remarks.

Vaccinator's explanation has been called for, and on receipt of it the question will be disposed of on the merits of the case.

Vaccinator has been asked to explain this.

—	1890.	1891.	1892.	1893.	1894 up to end of September.
Number vaccinated	871	781	1,555	1,744	1,299
" " successfully	803	698	1,481	1,659	1,242
" " under one year of age	173	188	512	542	434
" verified by inspecting officers	580	590	941	968	471
Births	504	615	606	633	450

12. *Registration.*—One registrar on Rs. 10 is employed. Registers well kept in English. Since June 1893 no entries of date of vaccination have been made; the vaccinator should be ordered to supply this at once, and regularly every month hereafter. He has no one to help him, but searches the municipal limits himself.

Vaccinator has been directed to supply this information to the registrar of deaths and births on pain of suspension.

—	1890.	1891.	1892.	1893.	1894 up to September.
Deaths from—					
Cholera	..	53	182	199	140
Small-pox	103	42	5	2	3
Fevers	103	156	170	99	79
Dysentery and diarrhœa	80	120	123	52	37
Other causes	228	282	365	319	300
Total	514	653	845	671	559
Death-rate per mille	50·9	31·5	40·7	32·4	35·9
Births	504	615	606	633	450
Birth-rate per mille	49·9	29·6	29·2	30·5	28·9

FORT ST. GEORGE,
19*th November* 1894.

(Signed) W. B. BANNERMAN, M.D., Surgn.-Captn.,
Inspr. of Vaccn. and Dy. Sany. Commr.

No. 2051-S.

Forwarded to the Chairman, Municipal Council, Bezwada (through the Collector), with the request that he will communicate to this office the date on which he proposes to place the notes before a meeting of his council.

2. Attention is invited to paragraph 2 of G.O., dated 23rd December 1893, No. 1765 M.

FORT ST. GEORGE,
26*th November* 1894.

(Signed) W. G. KING, Surgn.-Lieut.-Col.,
Ag. Sany. Commr. for Madras.

N. Dis. No. 1581-Eng.

Forwarded.

(Signed) J. N. ATKINSON,
Acting Collector.

To the Chairman, Municipal Council, Bezwada.

No. 1402.

Returned, with notes within.

2. Action will be taken after the Christmas holidays.

3. The council propose to spend large sums next year on a ghât and hospital. The drainage question can be taken up next.

(Signed) F. W. OLDFIELD,
Chairman, Munl. Cl.

22*nd December* 1894.

3320m

Bezwada inspection

LOCAL AND MUNICIPAL DEPARTMENT

Papers to be read in Proceedings :—

28

Again G.O., dated 189 , No.

Current No. 3320 m of 1894, dated 22nd December from the Chairman mc Bezwada

428
Order. 14-3-95 No. 445 m

Recorded with the following remarks :-

(1) The repair of the main road leading from the quarry east of the town past Arundel Chattram should be taken in hand at once, ~~and not postponed until the next year~~

(2) Steps should be taken to prevent the ~~Crooked~~ lanes from being used as latrines.

(3) The question of increasing the number of moveable iron dust-bins and of converting the open-space latrines into standard plan ones should receive immediate attention and not be postponed indefinitely on the plea of want of funds.

(4) Steps should be taken to prevent the ~~Objectionable~~ latrines at the base of the Bezwada hill ~~should be removed to better location~~ from being scoured through by Head loads of night soil from the hill.

(5) It is not understood why the Deputy Sanitary Commissioner's suggestion to purchase a Cylindrical iron Cart for the removal of sewage should be put off till the number of Cesspools is increased. This should be explained.

(6) The suggested improvements to the existing Cesspools should be carried out as soon as possible.

(7) The Council should report the steps that could be taken to prevent the flow of the sewage from the Sappers lines and the neighbourhood into the Canal, and to get the main Canal wharf and boat stand removed to some other locality, if the pollution of the water cannot be prevented by any other means.

(8) ~~Steps should be taken for the removal of the~~ The latrine near the meat stalls in the market should be removed to a less objectionable site, and ~~for the regular flushing~~ the regular flushing of these stalls should be arranged for.

(9) The Council's disposal of the inspection notes is not as thorough and complete as it should have been.

(10) The inspection notes with the Chairman's remarks thereon should have been submitted direct to Govt through the Collector.

1/R 24/1/95

11.6.95

14/2/95

Note

Item was kept back until the Budget was disposed of in order that it might be seen whether any of the suggestions could, with reference to the financial condition of the Municipality, be definitely ordered to be carried out. There have however only a small balance of Rs. 2200 or so.

11.6.95

To.

The Chairman Mc Bezwada
" Collector of Kistna
" Sanitary Commissioner
" Engineer
Editor's Table. Dated 28/3/95

3320 m

Bezwada Inspection Notes.

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INDEXED.

PRESS.

LOCAL AND MUNICIPAL DEPARTMENT.
G.O., DATED 14·3-95
No. ~~446~~ m
428

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[Despatch Abstract.]

Inspection Notes

Recording, with remarks, Dr.
Sandt Commissioner's ——
on the Bezwada municipality.

BACK PAPER, No. 4 OF 18

READ AGAIN ORDER OF GOVERNMENT, DATED 18 , No.

FURTHER PAPER, No. OF 18

ENCLOSURES.

CURRENT No. 3320 M in type A.

STATEMENT WITH DITTO.

ORDER, &c., OF GOVERNMENT—A.

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CURRENT No.

ENCLOSURES TO C. No.

ORDER OF GOVERNMENT

LETTER OF GOVERNMENT.

STATEMENT WITH DITTO.

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