

Local & Munl. (1895.) Department.

MISCELLANEOUS.

G.O., No. 784 L.

DATED 3rd May 1895

[Despatch Abstract.]

Technical Institute, Madura.

Recording letter from the Director of Public Instruction,
Madras, submitting copy of his Proceedings reviewing report on
the ---- for 1894-95.

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]

Miscellaneous.

LOCAL AND MUNICIPAL DEPT.	
G.O., DATED	3-5-95
No.	784 L

INDEXED.

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[Despatch Abstract.]

Technical Institute, Madras.

*Recording letter from
the D.P.S. submitting copy
of his Progs. reviewing re-
port on the — for 1894-95*

25.

READ AGAIN ORDER OF GOVERNMENT, DATED
18th, No. , MISCELLANEOUS.

ENCLOSURES.

CURRENT NO.

STATEMENT WITH DITTO.

ORDER OF GOVERNMENT

STATEMENT WITH DITTO.

PAPERS NOT FILED UP, BEING MEANT FOR DESPATCH
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BACK PAPER, No.

OF 189

FURTHER PAPER, No.

OF 189

W.B.

From,

The Director of Public Instruction,
Madras,

To the Honble the Chief Secretary to
Government,
Fort St George.



Recd. 23/4/95

No. 4774

Dated 22nd April 95

Despatched to

Enclosures:

Subd for info copy of Pro. N^o. 4140
1-4-96
revising report on the Madras
Technical Institute for 1894-95

Copied by

Examined by

(With order)

24/4

OFFICE OF THE DIRECTOR OF
PUBLIC INSTRUCTION,
Madras, 22 April 1895.

No. 4774

From

THE HONORABLE MR. D. DUNCAN, M.A., D.Sc.,

DIRECTOR OF PUBLIC INSTRUCTION,

Madras,

To

THE HONORABLE THE CHIEF SECRETARY TO GOVERNMENT,

FORT ST. GEORGE.

SIR,

I have the honour to submit, for
information, a copy of my Proceedings,
No. 4140, dated, 1 April 1895, reviewing
report on the Madura Technical
Institute for 1894-95.

I have the honour to be,
Sir,

Your most obedient servant,

D. Duncan
Director of Public Instruction

1895.
APRIL
PUBLIC INSTRUCTION,
MADRAS.

To

THE INSPECTOR OF SCHOOLS,
SOUTHERN CIRCLE,
AND OTHERS.

Dated April, 6th.

Despatched

Received

6TH APRIL 1895, No. 4140.

Enclosures.

Technical Institute, Madura.—Reviewing the Tabular
Inspection Report on the —, for 1894-95.

Industrial Classes.—These classes achieved marked success at the Inspector's grant examination, all the students presented having passed. The Director hopes that a proper standard was adopted. It is gratifying to note that the two students presented for the Elementary Technical Examination of November last in Carpentry and the student who appeared for the Elementary Technical Examination in Drawing in the year previous came out successful in the first class. The introduction of Casting and Wood-carving is noted. The Inspector's statement that 56 students only were examined for grant in the several industries, and that 46 of them passed to be explained. This department was recently examined by Mr. Holder, Acting Superintendent, School of Arts, Madras. His report is awaited. The working of in connection with the Industrial department fared badly at the results grant examination conducted by the Sub-Assistant, Madura Range, less than 50 per cent. having passed, all for ordinary grants. The proposal to appoint a separate Headmaster for these classes will, it is hoped, improve the efficiency of these classes. It has not been reported whether any boys of the fourth class were presented for the Primary Examination. Now that the defect in regard to accommodation has been remedied, steps should be taken to have the Third Form recognized.

Agricultural Class.—The question of improving the condition of this class is under consideration. With this object, Mr. Keess, Acting Principal, College of Agriculture, will inspect the farm attached to the Institute in July next. This branch of the school has enormous difficulties to contend against and will require the most careful attention of the Superintendent. At the grant examination conducted by the Sub-Assistant, Madura, the general education classes attached to this department obtained fair results, 7 having passed out of 9 examined, though none of them did well enough to earn a merit grant.

7. **General.**—Information as regards the qualifications, &c., of the students under training has been furnished in paragraph 9 of the Inspector's letter. The Tirumangalam taluk should be better represented. It is satisfactory to note that almost all the students who left the school in previous years have obtained employment as teachers. Similar information should be furnished in regard to the students of the Industrial department with reference to the remarks made by the Director in paragraph 4 of his last review under the sub-head "Industrial classes." No fees are at present levied from the Practising classes. This not being in accord with the provisions of the fee notification, the Inspector is requested to submit, in consultation with the President, District Board, and the Superintendent a suitable scale of fees for introduction in that branch. A low rate of fees may be laid down. The proposal to employ an additional clerk with a view to afford some relief to the Superintendent, should be considered as early as possible. It is quite impossible for the Superintendent to do justice to the school, as long as he is so burdened with clerical work. In conclusion, the Director is glad to be able as the result of a recent visit, to record his opinion that good work is being done by the Institute, which is growing in popularity and usefulness. The proposal to open a Shorthand class has already been given effect to, and the Director will be glad to learn a few months hence how this class is prospering.

(A true Extract.)

(sd) D. Duncan
Director of Public Instruction.

- To the Inspector of Schools, Southern Circle.
 " other Inspectors of Schools.
 " Inspectresses of Girls' Schools.
 " the Assistant Inspector of Schools, Sixth Division.
 " Principals, College of Agriculture and Engineering.
 " the Superintendent, Technical Institute, Madura.
 " " School of Arts, Madras.
 " " Reformatory School, Chingleput.
 " " Principal, Lawrence Asylum, Ootacamund.
 " Copy to Presidents, District Boards, Madura and Tinnevely,
 " the Collector of Madura,
 " Government, with C.L.,

(True Copy)

D. Duncan

Director of Public Instruction,
for information.

TABLE B.

						Numbers on rolls.	Number present.	Numbers passed.			Numbers passed for grant.			Amount.		
								Ordinary.	Merit.	Total.	Ordinary.	Merit.	Total.			
						8	Not examined for grant as it was not recognized.									Rs. A. P.
III Form	...	...	...	...	...	7	7	4	...	4	4	...	4	43	0	0
II "	...	...	...	...	...	12	9	4	...	4	4	...	4	26	0	0
I "	...	...	...	...	...	16	15	4	...	4	4	...	4	23	8	0
IV Class	...	...	...	...	...	19	17	10	...	10	8	...	8	31	14	0
III "	...	...	...	...	...											
Total						62	48	22	...	22	20	...	20	124	6	0
Agriculture.																
						1	was absent.									
I Form	...	...	...	...	...	3	3	2	...	2	2	...	2	13	0	0
IV Class	...	...	...	...	...	4	4	3	...	3	3	...	3	10	8	0
III "	...	...	...	...	...	2	2	2	...	2	2	...	2	5	0	0
II "	...	...	...	...	...											
Total						10	9	7	...	7	7	...	7	28	8	0
Grand Total						72	57	29	...	29	27	...	27	152	14	0

It will be seen from the above that the classes did fairly well in the Sub-Assistant's examination, though the results of last year were better. But the amount of grant earned this year is larger. These classes form a first-grade Lower Secondary school with but one teacher. The pupils are advanced in the respective industries, and are, to a certain extent, indifferent to the General Education subjects. It is under contemplation to appoint a separate headmaster for this department from April next and rules have now been framed by which boys will be given a portion of the wages earned. This will be encouraging to them. The III Form was not recognized last year for want of sufficient accommodation.

7. **Special Class.**—There were five students in this class (the maximum number provided for) as against three last year. Four were learning Carpentry and one was in the metal work class. The results of my examination of this class are given in the table below. The two Muhammadan students did their work best.

Serial No.	Name.	Industry.	Standard.	Results.
1	Dadamiya Sahib	Metal work	B	Good.
2	Visvanatha Aiyar	Carpentry	B	Very fair.
3	Ismail Sahib	Do.	B	Do.
4	Ramasami Aiyar	Do.	B	Good.
5	M. S. Sundram Aiyar	Do.	A	Fair.

8. **Agricultural Department.**—Ten pupils were presented for examination as against eleven in the previous year. The results were on the whole satisfactory. Instruction was imparted in more practical subjects than in the previous years. The boys were too young and weak to manage the plough and the bulls. As under the new rules older students will have to be admitted into this department, better results may be expected next year. The usual crops were in the field and they were all carefully weeded and in good condition. A scheme has been called for by the President for the reorganization of this department. The receipts of this department in the year under report are expected to exceed those of last year. The results of the General Education branch have been commended upon in paragraph 6 *supra*.

9. **Training Department.**—This section was 50 strong, 12 Lower Secondary and 38 Primary, on the day of my inspection as against 51 in the previous year. There were 11 Brahmans and one Panchama in the Lower Secondary class, while the Primary department contained eight Native Christians, nine Brahmans, 14 non-Brahmans, four Panchamas and three Muhammadans. It is gratifying to note that as many as five Panchamas undergo training to go out as teachers. The

Lower Secondary students were near the completion of their course of training, and those in the Primary grade had been in the institute for four and-a-half months. The statement given below shows that the Tirumangalam taluk still continues to be very poorly represented:—

Taluk.	Lower Secondary.	Primary.
Madura	1 + 1*	6 + 6*
Mélar I... ..	...	4
Dindigul	...	6
Periyakulam	2 + 2*	3
Palni	...	1 + 1*
Tirumangalam	1	1
Ramnad	2	7
Shivaganga	3*	3*
Total	9 + 3	31 + 7

* Municipal students.

The attention of the subordinate inspecting officers will again be called to paragraph 6 of Proceedings, No. 285, dated 15th January 1895. Eight of the Primary grade pupils were admitted under article 15, section VI of the Madras Educational Rules. They went up for the Primary School examination. All others had passed the required General Education test, when they were admitted into the class. All but four in the Lower Secondary class were from schools and all the students have schools to go to on the completion of their training. The students of both the sections gave lessons before me in different subjects and their teaching struck me as very fair. Black-board exercise has received sufficient attention. The results in the special subjects, viz., mensuration, agriculture, and drawing, as also in the General Education subjects of the Primary grade were all very fair. Figures of animals taught to students with a view to train them for greater attention. A criticism lesson was also given by one of the students of the Lower Secondary grade in Tamil, in which both the Lower Secondary and Primary grade students took part, and there was a summing up by one of the teachers. All did their part well. The remarks were all intelligent and to the point. Great care has been bestowed upon Kindergarten and the specimens shown by the students were numerous and good. The students convinced me that they could efficiently teach classes in action songs. The exercise note-books produced were all very systematically kept and carefully corrected.

10. As required in paragraph 1 of your Proceedings, No. 285, dated 15th January 1895, the results of the Theoretical test held in May 1894, and of the practical test in June 1894, are given in the subjoined table:—

TABLE C.

Name of class.	Theoretical test of May 1894.			Practical test of June 1894.		
	Numbers sent up.	Number passed.		Numbers sent up.	Number passed.	
		Trained.	Untrained.		Trained.	Untrained.
Lower Secondary	...	...	...	...	...	...
Primary	37	11	17	28	6	11
					2	3
					2	6
						5
						8

The results of the practical test held in October 1894 and of the Written examination in November will be furnished supplementally.

11. Out of the five students of 1892-93 that were unemployed at the time of last inspection, four are now schoolmasters, and one has yet to open a school of the students trained in 1893-94, three are unemployed. Two have already selected places to open schools, and in the case of the third he has been served with a notice

to refund the stipends drawn. Suits were filed against nearly 20 defaulters and decrees obtained. Some of them have already refunded the amount drawn by them.

12. *Practising branch.*—This was 161 strong on the day of my inspection. It is satisfactory to note that there were 12 artisans in this branch. As the practising branch classes are not now examined for grant, the Sub-Assistant Inspector, Madura range, examined the classes. The results were, on the whole, fair. The results of the Primary examination are given below:—

TABLE D.

Numbers sent up.	Complete certificate.	Compulsory and one optional.	Compulsory.
16	3	5	3

13. The financial portion of the report for 1893-94 has been dwelt upon in paragraph 14 of Mr. Logan's last report, and as the year 1894-95 has not yet come to a close, I have no remarks to make on the subject.

14. *Accommodation.*—The suggestions previously made regarding accommodation are all being carried out. Arrangements are reported to have been made for the construction of a wing 50' x 20' on the southern side of the building and one more parallel to this is proposed to be constructed next year. These two wings with the present available space will conveniently accommodate all the classes. Estimate for the construction of a tiled shed in the workshop is awaiting sanction. A masonry latrine and the compound walls for the gymnasium have already been erected.

15. *Tools and Furniture.*—A good supply of tools has been received since last inspection. An indent for carving tools, &c., has been made. The workshop is fairly equipped. A few more back benches, black-boards and drawing seats are required. I understand that provision has been made in the budget for 1895-96 for improving the library and getting the technical journals.

16. The various account books and registers are all neatly and systematically kept. The Superintendent struck me as being overworked. The appointment of a second clerk as suggested in paragraph 4 of Proceedings, No. 12729, dated 18th November 1893, is an absolute necessity.

17. *General remarks on teaching.*—All the teachers of the Training branch and the Headmaster of the Practising branch and the General Education Instructors of the Industrial department and the Farm Manager took classes before me and I was favourably impressed with their manner of teaching.

18. In conclusion I beg to submit that considering the present useful state of the institute, it would be well to convert the institution into a provincial one, and to request that the attention of the Board may be drawn to the subject.

19. Great credit is due to the Superintendent and his Assistants for the successful working of the institute.

Staff.—There had been some changes in the staff, the most important of them being the appointment of a separate Metal work instructor and an Assistant instructor for the general education classes of the Industrial department. The nature of the certificate, for which the former should qualify, was settled in Proceedings, No. 1674, dated 14th February 1895. The Director has since been informed that this would not be an appropriate test. The matter will therefore lie over until a test in brass and copper work has been laid down.

The Assistant instructor in general education who is uncertificated should be advised to qualify professionally at an early date. The Director is glad to note that the Drawing master and the Carpentry instructor have had the benefit of a course of instruction in the Madras School of Arts, and that it is proposed to send the Assistant instructor of the general education classes of the Agricultural

department to the College of Agriculture, shortly. M.R.Ry. K. Duraiswami Aiyar having returned in January last, it is believed that the services of the trained graduate, who was acting for him have been dispensed with. A salary grant of Rs. 3 per mensem has already been sanctioned for M. K. Subrahmanya Aiyar and the application for similar grants on behalf of the Acting Drawingmaster and the acting Carpentry instructor will be disposed of in separate Proceedings.

2. *Accommodation and sanitation.*—It is satisfactory to note that steps are being taken to improve the accommodation, and that the want of a substantial latrine has been supplied. Something should be done with respect to the roof of the sheds in the Industrial department. Corrugated iron is most unsuitable for a roof of the height and pitch of the roof of these sheds.

3. *Apparatus and appliances.*—The articles of furniture, &c., mentioned in paragraph 15 of the Inspector's letter should be supplied as early as possible.

4. *Library.*—The library is quite inadequate for an institution of the kind. The provision made for additions thereto should be fully utilized during the coming year.

5. *Strength and attendance.*—From a comparison in the margin of the strength of the several departments of the institute at the last two inspections, it will be seen that, while the Industrial department and the special class had an accession to their strength, all the other classes or departments lost each one student. Further details as regards the number under instruction in each of the Industrial classes appear below :—

Department.	Strength in 1893-94.	Strength in 1894-95.
Training section ...	51	50
Practising department ...	162	161
Industrial branch ...	56	62
Special class ...	3	5
Agricultural class ...	11	10
Total ...	283	288

	Number on the rolls in 1893-94.	Number on the rolls in 1894-95.
Carpentry class ...	19	26
Rattan work „ ...	14	12
Blacksmith „ ...	13	13
Metal work „ ...	10	11
Total ...	56	62

Carpentry was the most popular of the industries taught in the Institute. The fall in the strength of the Rattan work class is supposed to be due to the non-inclusion of Rattan work in the Technical Examinations scheme.

All the communities were well represented. Muhammadans were found in each department of the school and they were well represented in the Practising and Industrial branches. The admission of five Panchamas into the Training section is also very gratifying, and it is hoped that they will be encouraged to join the Agricultural class also, agriculture having been for ages their chief means of livelihood.

6. *Examinations—Training Section.*—This branch acquitted itself satisfactorily on the whole at the examinations for teachers' certificates held in April (not May as noted by the Inspector in paragraph 10 of his letter) and June 1894, and there was a marked improvement in the percentage of passes at the Written Examination for Teachers' certificates of the Primary grade. The proportion of passes for trained teachers' certificates in the examinations of 1894 was, however, not satisfactory. The Inspector seemed to have been favourably impressed with the teaching capacity and the black-board exercises of the students who taught before him except in regard to their drawing illustrations.

Practising Classes.—The results obtained by these classes at the inspection held by the Sub-Assistant Inspector of Schools, Madura Range, have been reported to be fair. This branch did not acquit itself satisfactorily at the Primary Examination, only three having passed for complete certificates out of 16 examinees.

4. The particulars of my grant examination in the various industries are given below :—

TABLE A.

Name of industry.	Standard.	Numbers on the rolls on the day of inspection.	Numbers present on the day of examination.	Numbers passed.			Numbers passed for grant.			Amount.	
				Merit.	Ordinary.	Total.	Merit.	Ordinary.	Total.		
Carpentry ...	A	10	8	5	3	8	1	2	3	8 0 0	2 O. Muhammadans.
	B	6	6	5	1	6	4	1	5	23 0 0	
	C	2	2	2	...	2	2	...	2	18 0 0	
	D	6	6	3	3	6	3	3	6	69 0 0	3 M. do.
	E	2	2	2	...	2	1	...	1	15 0 0	
Total ...		26	24	17	7	24	11	6	17	138 0 0	
Rattan ...	A	5	4	3	1	4	1	...	1	3 0 0	
	B	4	4	4	...	4	4	...	4	25 8 0	1 M. do.
	C	2	2	2	...	2	2	...	2	18 0 0	
	D	1	1	1	...	1	1	...	1	12 0 0	
Total ...		12	11	10	1	11	8	...	8	58 8 0	
Blacksmithy ...	A	4	4	3	1	4	1	...	1	3 0 0	
	B	3	3	3	...	3	2	...	2	13 8 0	1 M. do.
	C	4	4	3	1	4	3	1	4	36 12 0	
	D	2	2	2	...	2	2	...	2	24 0 0	
Total ...		13	13	11	2	13	8	1	9	77 4 0	
Metal work ...	A	3	2	2	...	2	1	...	1	3 0 0	
	B	2	2	2	...	2	2	...	2	12 0 0	
	C	4	4	4	...	4	4	...	4	38 4 0	
	D	2	2	2	...	2	2	...	2	27 0 0	1 M. do. 1 M. do.
Total ...		11	10	10	...	10	9	...	9	80 4 0	
Grand Total ...		62	58	48	10	58	36	7	43	354 0 0	

5. Of the 62 pupils on the rolls four were not examined as they were new, having secured admission in October and November, and two in the Elementary examination classes had gone up for the Government Technical examination. These latter passed in the first class, as will be seen from the results published last month. The remaining 56 were presented for my examination, and all of them passed with 46 merit and 10 ordinary. These results are excellent and reflect much credit on the teachers concerned. All the industries have done equally well, but the metal work classes need special mention, having passed all merit. The appointment of a full timed skilled instructor for the metal work classes has improved that branch considerably; and useful brass and copper vessels are now made in the Institute and find a good sale. Casting is also taught. The instructor is reported to be an expert in this industry. Fifteen pupils were not eligible for grant—three for short attendance and twelve for not having passed the required General Education test. Private orders are received in all the industries and neatly executed. My office furniture for Rs. 214 was also made in the Technical institute.

6. As was done last year I deputed the Sub-Assistant Inspector of Schools, Madura range, to examine for results grants the general education branches of the Industrial and Agricultural departments.

No. 4140.

PROCEEDINGS OF THE DIRECTOR OF PUBLIC INSTRUCTION, dated 6th April 1895.

Tabular Inspection Report of the Technical Institute, Madura, for 1894-95.

From the Inspector of Schools, Southern Circle, to the Director of Public Instruction, Madras, dated Wandiwash, 28th February 1895, No. 153-C.

I have the honour to submit, herewith, tabular inspection report of the Technical Institute, Madura, for 1894-95.

2. *Teaching Staff.*—There were numerous changes during the year both in the Normal and Industrial departments. M.R.Ry. K. Duraisami Aiyar, second master, and N. Sesha Aiyar, fourth master of the Training department, were absent on other duty for nearly six months in the year. In their places were appointed M.R.Ry. V. S. Ramasami Aiyar, a trained graduate and the Assistant Instructor, General Education branch of the Industrial department, a new man having been appointed in the place of the latter. A separate instructor to teach the metal work classes was appointed in May 1894. These classes had been taught by the Drawingmaster of the institute, without prejudice to his legitimate work, since 1891. The appointment of a separate instructor is doubtless a step in the right direction. An Instructor for the General Education branch of the Industrial department on Rs. 12 a month was also appointed during the year. The Drawingmaster and the Carpentry instructor underwent training in the School of Arts, Madras, in Drawing and Wood carving for about five months. V. Masillamani Asari with a group certificate in Drawing, and Vadamuthu, who held a certificate of having passed the Preliminary Higher Examination in Carpentry, were placed in charge of the Drawing and Carpentry classes. It is proposed to send the Assistant Instructor of the General Education classes of the Agricultural department to the College of Agriculture in Saidapet in July next to undergo a course of training in Agriculture, Horticulture and Economic Entomology. The instructors of the Industrial department completed their course of training—theoretical—by the 30th November 1894 and will appear at the next examination for the practical test.

3. *Industrial Department.*—There were 62 pupils on the rolls on the day of my inspection as against 56 in the previous year. There was a slight fall in the strength of the rattan classes. This was explained to be due to the absence of a public test in the industry, thus creating in the minds of pupils an impression that the trade is not a profitable one. There were in the Industrial department 22 Native Christians, 2 Brahmans, 21 non-Brahmans and 17 Muhammadans. The various occupations were fairly represented. It is satisfactory to note that artisans increased from 7 to 13 contributing 21 per cent. of the total number in the Industrial department. About 80 per cent. of the pupils are of the poorer classes.

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189

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