

Government of Madras

HOME (EDUCATION) DEPARTMENT

G.O. No. 522, 23rd April 1918

Engineering school

Sanctioning the proposal to establish an — at Vizagapatam and to employ thereat certain establishment temporarily for a period of three years in the first instance.

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Government of Madras

HOME (EDUCATION) DEPARTMENT

G.O. No. 522, 23rd April 1918

Engineering school

Sanctioning the proposal to establish an — at Vizagapatam and to employ thereat certain establishment temporarily for a period of three years in the first instance.

READ—the following papers:—

I

G.O. No. 722, Home (Education), dated 31st May 1917.

ABSTRACT.—Directing that a new Engineering school for the training of lower subordinates be established at Vizagapatam and requesting the Director of Public Instruction to submit detailed proposals therefor.

II

Letter—from the Hon'ble Mr. J. H. STONE, M.A., F.R.H.S., C.I.E., Director of Public Instruction.

To—the Secretary to Government, Home (Education) Department.

Dated—Madras, the 14th February 1918.

No.—Ref. on Cur. 4702 of 1917.

With reference to G.O. No. 722, Home (Education), dated 31st May 1917, regarding the proposed Engineering school at Vizagapatam, I have the honour to submit herewith a copy of the letter from the Principal, College of Engineering, R.C. No. 758/16, dated 16th July 1917, and to state that I consider that the views expressed therein as regards the management of the proposed institution and as regards its precise relation to the College of Engineering, Madras, require further consideration. I am still of opinion that the school under a Superintendent in the Indian Educational Service might be independent of the college although supervision by local Engineer officers appears not to be practicable. The provision under staff, establishment, contingencies, equipment, etc., proposed by Mr. James also meets with my approval.

2. With reference to the memorandum of the Public Works Department No. 4299-C., dated 4th July 1917, I beg to state that a site for the school has been selected and approved by the site committee.

The committee has recommended the acquisition of an area of 25 to 30 acres of land about 7/8 of a mile distant from the Waltair Railway station and bordering on and to the right hand side of the road leading to Waltair.

I submit herewith a copy of the report of the site committee together with a tracing showing the land selected for the school and request that Government may be pleased to instruct the Collector of Vizagapatam to take the steps necessary for the acquisition of the site in question.

3. As desired in the memorandum of the Public Works Department referred to in paragraph 2 above, I have obtained a site plan showing levels and information as to the nature of the soil of the site selected and I submit it herewith to Government together with a statement containing information as to the details of accommodation required.

I request that these may after perusal be forwarded to the Chief Engineer so as to enable the latter to prepare detailed plans and estimates for the building required for the proposed school.

ENCLOSURES

(1)

Statement showing details of accommodation required for the proposed Engineering school at Vizagapatam.

School building as per details given in paragraph 2 of the Principal's letter R.C. No. 758/16, dated 16th July 1917 (copy enclosed).

2. A hostel to accommodate about 90 students.

N.B.—The hostel rooms may, if possible, be provided on the upper stories to the school building.

ORIGINAL

3. Quarters for all the staff proposed in the Principal's letter referred to above on the analogy of the College of Engineering at Guindy.

(2)

Letter—from the Principal, College of Engineering, Madras.

To—the Director of Public Instruction.

Dated—the 16th July 1917.

No.—R.C. 758/16.

In reply to your Ref. on C. No. 4702, dated 22nd June 1917, I have the honour to observe in the first place that it is not clear to what extent Government approve of the proposals in the note to the Chief Engineer, Public Works Department, dated 5th April 1916, and this office letter to you R.C. No. 758/16, dated 14th February 1917, in regard to the organization of the school, but I gather from the remark in the Government Order about the working of the school, being in harmony with that of the college, that it is intended the new institution shall be not merely for the training of lower subordinates, but that the students will be admitted to a probationary class with competition for promotion and transfer to the upper subordinate class of the college. If this is the case then I can only repeat that, in my opinion, it is advisable to start with that the Principal should exercise some sort of direct control, not necessarily excessive over the working of what would be in a way a kind of subordinate feeder institution. Appointments are offered to qualified students whose names appear in the final pass lists practically in order of merit and with seniority in service a matter of importance it is essential that students coming from the school to the upper subordinate class should have as equal a chance as possible with those promoted in the college—in other words they should have done precisely the same preliminary work under as near as may be similar conditions. This I submit it will not be possible to secure by ordinary inspection and some power to interfere directly in a superior capacity seems to me to be necessary. If however the school is intended only for the training of lower subordinates then it may very well be under quite independent control and the internal direction of the school left in the hands of the Superintendent.

2. The cost of buildings will of course be governed to some extent by the site and style of architecture. Assuming the school is to admit 30 probationary students each year and that of these 10 pass on at the end of the second year to the college for higher training as upper subordinates, this will give a total of 30, 30, 20, 80 or say 90 students in all allowing for failures, etc., and the minimum accommodation required will be something as follows:—

	SQ. FT.
Three drawing offices (each about 1,200 square feet)	3,600
Two lecture rooms (each at least 20 × 20)	800
Model room and library	1,200
Superintendent's and Assistant's rooms	400
Clerks' offices	200
Instrument, stationery and store rooms	800
	7,000

A two-storied building costing, if of only very ordinary design, say, about	Rs. 35,000—40,000
Add for workshop and other out-buildings	5,000
Total cost of buildings, say, from	40,000—45,000

If it is desired to provide for future expansion the above figures must be proportionately increased.

3. The equipment required will naturally depend on the ideas of the person in control but the following figures may be taken as a rough approximation:—

	RS.
Surveying and other instruments	8,000
Workshop tools, etc.	4,000
School and office furniture	3,000
Library books, etc.	2,500
Models and other teaching appliances	2,500
	20,000

The above workshop provision is intended only for carpentry and a little work in fitting. If metal working is to be taken up on a moderate scale then about another Rs. 7,000 must be added for machine, tools, such as a larger lathe drilling machine, milling machine, shaping machine, etc., and an engine for driving purposes.

4. It is of course of no disadvantage but in an institution of the kind intended with the highest class consisting of students preparing for lower subordinate appointments there is no real necessity to have a staff possessing very high theoretical qualifications but I gather it is the desire of Government that the superintendent should be an officer of some standing and assuming he

rank about with an officer of the Indian Educational Service, the recurring charges for staff, etc., may be taken something as follows:—

Tutorial staff.

	Average per mensem.
	RS.
One Superintendent Rs. 500—1,000	750
One assistant instructor, supervisor, second grade	150
Two assistant instructors, overseers, first grade	200
One workshop teacher and instrument repairer	30
One gymnastic teacher (part-time)	15
	1,145

Clerical establishment and peons.

One head clerk	40
One assistant clerk librarian and storekeeper	30
One attender	10
Two peons on Rs. 9 each	18
One peon on Rs. 8	8
One peon on Rs. 7	7
	113

Menial establishment.

One gardener	7
One night watchman	6
One punkahman	5
One sweeper	4
One scavenger	4
	26

Allowances, supplies and services and contingencies.

Travelling allowances of officers and establishment	150
Books and maps (including prizes)	300
Surveying and other instruments	600
Workshops charges, repairs to instruments, etc.	600
Survey camp and inspection tour charges	600
Minor repairs to buildings	200
Games	50
Furniture and apparatus	200
Contingencies	300
	3,000

Total annual recurring charges.

Tutorial staff 12 × 1,145	13,740
Clerical establishment 12 × 113	1,356
Menial establishment 12 × 26	312
Allowances, supplies, etc.	3,000
	18,408

(3)

REPORT OF SITE COMMITTEE.

ENGINEERING COLLEGE, VIZAGAPATAM.

Members.

H. A. B. Vernon, Esq., I.C.S., Collector of Vizagapatam.
 M. O'Brien, Esq., Executive Engineer, Vizagapatam division.
 M. R. R. Rao Bahadur S. Chandrasekhara Mudaliyar Avargal, Acting District Medical and Sanitary Officer, Vizagapatam.
 The Hon'ble Mr. B. Venkatapati Raju, B.A., B.L., Chairman, Municipal Council, Vizagapatam.
 W. H. James, Esq., B.Sc., Principal, College of Engineering, Madras.

Meeting held at the Collector's office, Vizagapatam, on Wednesday, 31st October 1917, at 7-30 a.m.—all members present.

I. The u.o. note, dated 12th September 1917, by the Chief Engineer, Public Works Department, making suggestions in regard to the site was before the committee. These and other

possible places known to the members were discussed and after inspection it was finally decided to recommend the acquisition of an area of from 25 to 30 acres about 7/8 mile distant from the Waltair Railway station, bordering on and to the right hand side of the road leading to Waltair provided the Engineer's report on the land was satisfactory.

II. *In circulation*.—The Executive Engineer in his report states that "the site is quite suitable to build on," subject to some reservation in regard to the northern portion and the committee now definitely recommend the acquisition of from 25 to 30 acres approximately as shown on tracing herewith with a frontage on the road. The buildings can be set well back on the southern part of the area and the lower-lying ground to the north and adjacent to the road used for playing fields.

Order—No. 522, Home (Education), dated 23rd April 1918.

The Government sanction the proposal to establish an engineering school at Vizagapatam and to employ thereat the following establishment temporarily for a period of three years in the first instance:—

	Salary per mensem.	
	RS.	
Superintendent	500	
Three assistant instructors	To be recruited from the upper subordinate establishment of the Public Works Department.	
Workshop instructor and instrument repairer.	30 (inclusive of grain compensation allowance).	
Gymnastic teacher (part-time)	15	do.
Head clerk	40	
Assistant clerk, librarian and storekeeper.	30 (inclusive of grain compensation allowance).	
Attender	10	do.
Two peons on Rs. 9 each	18	do.
One peon	8	do.
Do.	7	do.

The attention of the Director is drawn to paragraph 2 of G.O. No. 550, Financial, dated 30th August 1915, in which it has been laid down that the pay of the menials paid from contingencies should be regulated as far as possible by the local market rates.

2. In order to provide for the recruitment of officers from the Public Works Department for the posts of assistant instructors, an addition of three temporary overseers on Rs. 60 each will be made to the establishment of that department. The Chief Engineer will be requested to see that suitable officers are posted for employment in the school.

3. The Principal, College of Engineering, Madras, will exercise general supervision over the scope of the teaching and by occasional visits take steps to see that the working of the school harmonizes with that of the college. The best pupils in the institution should be eligible for promotion to the upper subordinate class in the Engineering College on the results of a common examination held for the purpose.

4. Orders will issue in the Public Works Department in regard to the acquisition of the site and the construction of buildings for the school. Meanwhile the Director of Public Instruction is requested to select a suitable building for rent for the location of the school.

(True extract)

R. RAMACHANDRA RAO,
Secretary to Government.

To the Director of Public Instruction.
" Accountant-General (through Financial Department).
" Public Works Department (with a copy of notes).
" Financial Department.
" Revenue Department.
" Local and Municipal Department.
Editors' Table (order only).

NOTES CONNECTED WITH G.O. No. 522, HOME (EDUCATION),
DATED 23RD APRIL 1918.

[SUBJECT.—*Establishment of an engineering school at Vizagapatam.*]

I

Previous papers:

G.O.	550, Financial,	30th August 1915.
"	631 W.,	22nd April 1916.
"	722, Home (Education),	31st May 1917.

HOME (EDUCATION) DEPARTMENT.

II

From the Director of Public Instruction, dated 14th February 1918, No. 4702.

Submitted that copies of the current, the site committee's report and the Principal's letter together with the site plan may be forwarded to the Public Works Department for necessary action in regard to the acquisition of the site and the preparation of plans and estimates for the school building.

2. The next question that has to be considered is the management of the school, referred to in paragraph 3 of G.O. No. 722, dated 31st May 1917. Three methods have been suggested—

- (1) Direct control of the Principal of the College of Engineering;
- (2) Direct control of one of the local officers of the Public Works Department;
- (3) Employment of a competent superintendent with a large measure of responsibility.

It is considered that the local Public Works Department officers could not supervise the school effectively without serious interference with their touring and inspection work. The Director is of opinion that "the school under a Superintendent in the Indian Educational Service might be independent of the college although supervision by local engineer officers appears not to be practicable". The Principal of the Engineering College agrees that, if the school is intended only for the training of lower subordinates, it may very well be under quite independent control, but that, if students are also to be selected from the school for the upper subordinate class in the college, the Principal should have something more than general supervision and power to interfere directly in a superior capacity with a view to see that the preliminary work done by the upper subordinate students in both the institutions is similar.

The present intention is only to train lower subordinates at Vizagapatam (paragraph 2 of G.O. No. 722, dated 31st May 1917). The question of sending selected students to the upper subordinate class has not been considered till now specifically. It is for orders whether for the present and until further experience is gained the school may be equipped to train only lower subordinates. If so, a competent superintendent may be allowed to be in independent charge of the institution. The advice of the Chief Engineer may be invited.

3. The accommodation and equipment proposed by the Principal is almost the same as that suggested by him in April 1916 (pages 5 to 7 of notes to G.O. No. 722, dated 31st May 1917.) If Public Works Department agree the estimate may be accepted.

4. The staff* for the school now proposed by Mr. James is the same as that recommended by him two years ago with the modification that the Superintendent's pay is now fixed at Rs. 500—1,000 against Rs. 400—20—500 formerly proposed. Mr. James' present recommendation is based on the "desire of Government that the Superintendent should be an officer of some standing" and on the assumption that he should be of the rank of an officer of Indian Educational Service. The pay proposed seems very high and

	Rs	
*One Superintendent.	500—1,000	
One assistant instructor.	150	(Supervisor, second grade.)
Two assistant instructors.	200	(Overseer, first grade.)
Workshop teacher and instrument repairer.	30	
Gymnastic teacher..	15	(Part-time.)

no strong grounds have been urged in support of it. The Chief Engineer may be requested to offer his advice on this point and generally on the establishment recommended.

5. A total provision of '31 lakh (-15 for recurring charges and -16 for equipment, etc.) has been entered in the budget estimate for 1918-19.

6. The Director has been separately asked to report whether the school could be opened in a rented building for the present.

S.A.—25-2-18.

T.K.—26-2-18.

C. RAMANUJA ACHARIYAR—26-2-18.

There is provision in the budget and this should be dealt with urgently.

2. Regarding site and preparation of plans for permanent buildings, to Public Works Department.

3. The urgent matter is about starting the school. In my opinion the Director of Public Instruction's proposals may be sanctioned with one exception.

4. The schools should not be reserved for the training of lower subordinates only. Under such conditions very poor material only in the way of students will be attracted. The best students in the school should step therefrom to the Engineering College. Hence education on parallel lines is indispensable. Chief Engineer Mr. Murray remarks (page 14 of notes to G.O. No. 722, dated 31st May 1917)—

"Personally I attach importance to such a school being under the direct control of the Principal of the Engineering College. The training and education to be given there should be on parallel lines with those at the parent college, and this will not be effected if each school is run as a semi-independent educational centre."

Mr. James is also practically of the above opinion.

5. Honourable Member (P's) views are contained in page 18, note file of G.O. No. 722, dated 31st May 1917.

6. It is not however clear what amount of 'direct control' the Director of Public Instruction wants. I believe it is enough if the Principal exercises general supervision over the scope of the teaching and by occasional visits takes steps to see that the working of the school is in harmony with that of the college.

7. Both institutions are under the Director of Public Instruction who can co-ordinate and can arrange transfers whenever necessary.

8. The arrangement I sketch out above will be akin to the practice, some time ago obtaining in the educational, of headmasters of complete secondary schools supervising incomplete secondary schools.

9. When more schools are started, even this will not be necessary as we have then acquired experience. The curricula of studies will always be definite. The schools will then be analogous to second-grade colleges.

10. If the powers noted above are reserved to the Principal, it appears to me enough to fix the Superintendent's salary on 400—20—500.

11. Cannot a scheme on the above lines be tried by way of beginning?

R. RAMACHANDRA RAO—27-2-18.

OFFICE OF THE DIRECTOR OF PUBLIC INSTRUCTION.

As regards control it is not I but the Principal, College of Engineering, who wants that officer to exercise direct control. I quite contemplate the school teaching upper subordinates in time and I see great force in its best pupils passing on until the school is thoroughly started to the College of Engineering. This would be best secured, it seems to me, by a common examination for promotion to the upper subordinate class in the College of Engineering, if the upper subordinate class in that college can be increased by the number of students it may be expected would come up to the upper subordinate class standard at Vizagapatam.

2. If the school is to be started at once it seems particularly important to put a really competent man in charge and that is a strong reason in addition to the general advantage of having a man who can be trusted to run the school himself for making the post equal to a Indian Educational Service post, i.e., on a pay of Rs. 500—50—1,000. We want a man who will see the school through all its initial difficulties and will be equal to the growing demands on a Principal that will come with its growth.

3. The immediate thing is to find somewhere to locate the school and I am taking steps to this end. The want of a building is, I fear, likely to prove the most serious difficulty.

J. H. STONE—2-3-18.

HOME (EDUCATION) DEPARTMENT.

Incorrect. The Director of Public Instruction expressly says that it is not he who wants the school to be controlled from Madras.

A. G. C[ARDEW]—22-4-18.

2. Submitted that the file may now be forwarded u.o. to Public Works Department with reference to paragraph 2 of Secretary's note on page 2 ante and for the advice of the Chief Engineer.

S.A.—4-3-18.

T.K.—5-3-18.

C. RAMANUJA ACHARIYAR—5-3-18.

Very well; let the Superintendent's pay be fixed at Rs. 500—50—1,000. Can we not first issue a Government Order approving of these proposals and asking the Director of Public Instruction to select a house, etc. Draft to Public Works Department and Financial for acceptance. Thereafter take action on paragraph 2 above.

The point is to get on if possible.

R. RAMACHANDRA RAO—6-3-18.

With reference to the Secretary's note above it is submitted that if the post of Superintendent is included in the cadre of the Indian Educational Service and if he is to be recruited from England, the sanction of the Secretary of State will have to be obtained for the creation of the post. As the school should be started in July next it is submitted that the Superintendent's pay may for the present be fixed at the minimum of Rs. 500 and the Government of India addressed after the proposals have been finally approved. The establishment may, in this case, be sanctioned temporarily for the present. A draft order is submitted for approval. The file may now be sent to Public Works and Financial Departments.

S.A.—9-3-18.

T.K.—11-3-18.

C.R.—13-3-18.

L. D. SWAMIKANNU—14-3-18.

PUBLIC WORKS DEPARTMENT.

Please see the Home (Education) Secretary's note above.

As the matter is urgent—because the school is to be started in July next—the draft order may be accepted in this department and the case passed on to Financial

On receipt of the Education Department's orders, the question of posting the subordinates required for the school may be taken up.

2. When the case is received again in this department—vide portion **B** of the note on page 3 ante—the remarks of the Chief Engineer on the points on which his advice is sought may be furnished.

R.A.K.—18-3-18.

T.P.S.—18-3-18.

3. Paragraph 3 of the draft order may also be accepted. [It will be seen from the linked file that information as to the accommodation required and the site are awaited in the Public Works Department.] Home (Education) will no doubt forward to the Public Works Department along with the Government Order the site plan and a copy of the current file and notes. On their receipt, further action will be taken in Public Works Department.

T.P.S.—18-3-18.

P. Rao—18-3-18.

W. G. MOLESWORTH—18-3-18.

The first difficulty is to find the house and the man. Draft accepted in the Public Works Department.

S. B. MURRAY—19-3-18.

FINANCIAL DEPARTMENT.

Attention is solicited to Financial Department notes and the Honourable Member's notes on pages 17 and 18 of notes to G.O. No. 722, Home (Education), dated 31st May 1917, regarding the establishment of an engineering school at Vizagapatam for the training of lower subordinates. The Honourable Member has noted that the school should be started as soon as possible in rented premises.

2. According to the present proposals, the school is not to be reserved for the training of lower subordinates only. The working of the school is to harmonize with that of the College of Engineering, Madras, the best pupils in the former being eligible for promotion to the upper subordinate class in the latter. Please see paragraph 4 of Home Secretary's note on page 2 ante and the Director of Public Instruction's note on page 3 ante as regards the necessity for enlarging the scope of the school. The proposals of the Home Department in this regard may, it is submitted, be accepted.

3. The extra cost of opening the school is now estimated as shown below :—

Non-recurring.		
(i) Buildings	Rs. 40,000 to Rs. 45,000	
(ii) Equipment	" 20,000 to " 27,000	
Total	Rs. 60,000 to Rs. 72,000	
Recurring.		
(iii) Staff—	Rs.	
(a) One Superintendent—Indian Educational Service officer—(Rs. 500—50—1,000).	850	
(b) One instructor—Supervisor, second grade (Rs. 150).	150	
(c) Two instructors—Overseers, first grade (Rs. 100).	200	
(d) One workshop teacher (Rs. 30) ...	30	inclusive of grain
(e) One gymnastic instructor (Rs. 15) ...	15	
(f) Two clerks and librarian—1 (40), 1 (30).	70	> compensation
(g) One attender (Rs. 10)	10	allowance.
(h) Four peons—2 (9), 1 (8), 1 (7) ...	33	
(i) Menial establishment paid from contingencies.	26	
(iv) Allowances, supplies and services, etc.	Rs. 1,384 per mensem.	
	" 3,000 per annum.	
Total	Rs. 19,608 per annum.	

4. *Items (i) and (ii).*—No remarks. The extra cost under buildings will be definitely known only when plans and estimates are prepared by the Public Works Department. The draft does not specifically sanction the cost under 'equipment.' Apparently the Home Department expect to receive a separate estimate from the officer selected as Superintendent of the school.

5. *Item (iii)—(a) Superintendent.*—In the estimate prepared in 1916 by the Principal of the Engineering College, a Superintendent on Rs. 400—20—500 was provided for—page 6 of notes to G.O. No. 722, Home (Education), dated 31st May 1917. It is now proposed to provide an Indian Educational Service officer for the post of Superintendent—please see paragraph 2 of the Director of Public Instruction's note on page 3 ante about the necessity for an appointment included in the Indian Educational Service cadre. As the creation of such an appointment will require the sanction of the Secretary of State, Home propose to sanction a temporary appointment for the present on Rs. 500 (the minimum pay of the Indian Educational Service) and to address the Government of India "after the proposals have been finally approved."

Questions regarding the future organization (including strength) of the Indian Educational Service (future class I) in accordance with the recommendations of the Public Services Commission's report are separately under consideration and until a definite decision is arrived at on them, it does not appear desirable to formulate

I don't think this is affected by the proposals of the Royal Commission. In any case the question of an Indian Educational Service Principal cannot be held up until orders are passed on the Commission's proposals.

L.E.K.—2-4-18.

L.D.—2-4-18.

proposals for increasing the cadre of the Indian Educational Service. Orders are solicited whether Home Department may be requested to defer the consideration of the inclusion of the Superintendent's post in the Indian Educational Service. The proposal of Home Department to create a temporary post on Rs. 500 for three years may be accepted.

6. *(b) and (c)—Instructors.*—To provide for four temporary instructors in the Engineering College, appointments are created on the temporary establishment of the Public Works Department—cf. pages 25, 26 and 28 of G.O. No. 631 W., dated 22nd April 1916. A similar arrangement may be followed in the present case also until the school is put on a permanent footing. If this is agreed to, it will suffice to

This is worth consideration.

L.E.K.—2-4-18.

L.D.—2-4-18.

sanction at present three Overseers on Rs. 60, the men actually required for the school being deputed from the Public Works Department.

7. *(d), (e), (f), (g), (h)—Workshop*

L.E.K.—2-4-18.

L.D.—2-4-18.

instructor, Gymnastic instructor, clerks, attender, peons.—The proposals may be agreed to.

8. *(i)—Menials paid from contingencies.*—It may be specifically stated in the

L.E.K.—2-4-18.

L.D.—2-4-18.

draft that these men should be paid in accordance with market rates—vide G.O. No. 550, Financial, dated 30th August 1915.

9. *Item (iv)—Allowances, supplies and services, etc.*—No remarks.

10. The school is to be started from July next. A lump provision of Rs. 31,000 has been made in the Civil Budget Estimate for 1918-19 on account of the opening of this engineering school.

T.R.N.N.—1-4-18.

L. E. KERSHAW—2-4-18.

L. DAVIDSON—2-4-18.

HOME (EDUCATION) DEPARTMENT.

Approved.

L.D.S.—8-4-18.

The addition made to paragraph 1 of the draft with reference to paragraph 8 of the Financial note above is for approval

2. The Public Works Department may be requested to state if they agree to the Financial's suggestion in paragraph 6 on page 5 ante.

S.A.—5-4-18.

N.K.—5-4-18.

C. RAMANUJA ACHARIYAR—6-4-18.

L. D. SWAMIKANNU—8-4-18.

PUBLIC WORKS DEPARTMENT.

This department may accept the suggestion contained in paragraph 6 of the Financial Department note on page 5 ante and the case may be returned to Home (Education) for the issue of the order.

R.A.K.—10-4-18.

W. G. MOLESWORTH—16-4-18.

HOME (EDUCATION) DEPARTMENT.

The draft order has been revised with reference to paragraph 6 of Financial note on page 5 and the Public Works Department note above and is submitted for approval.

S. A.—18-4-18.

N.K.—18-4-18.

C.R.—19-4-18.

R. RAMACHANDRA RAO—20-4-18.

P[ENTLAND]--22-4-18.

I suggest that the first two lines of paragraph 3 of the draft be omitted, and that that paragraph should run: "The Principal, College of Engineering, Madras, will exercise general supervision over etc." It is difficult to see how an officer stationed in Madras could exercise 'direct control' over a school at Vizagapatam. The analogies available are against it, for instance the Principal of the Medical College, Madras, does not 'control' the Medical School at Vizagapatam. The Director of Public Instruction is not in favour of it, and with a Superintendent on Rs. 500 per mensem, no outside direct control should be needed, even if the interference of an outside authority with school management were not well known to be generally inadvisable.

A. G. C[ARDEW]—22-4-18.

Issue.

R.R.—23-4-18.

[G.O. No. 522, Home (Education), dated 23rd April 1918.]

Engineering School

Sanctioning the proposal to establish an — at Vizagapatam and to employ therein certain establishment temporarily for a period of three years in the first instance.

READ AGAIN G.O. No. 722 Home (Edn), dated 31st May 1917. 1918 (C)

” ” ” ” ” 191

READ ALSO:—

C. No. 443 A, From the ~~EX~~ D.P.I., No. 4702/17, dated 14-2-1918. 191

" " " ", " " " " 191

" " " " , , " " 191

ORDER.

P.S.

No. 522, dated 23.4. 1918

The Government sanction the proposal to establish an engineering school at Vizagapatam and to employ thereat the following establishment temporarily for a period of three years in the first instance:-

Salary
per mensem.
Rs
500

Superintendent. -----

Three Asstt: Instructors.

To be recruited from the
Upper subordinate esta-
blishment of the P.W.D.

Gymnastic teacher (part-time). ----- 15 -do-

Head clerk. ----- 40

Attender. ----- 10 -do-

One peon. ----- 8 -do-

-do- 7 -do-

4. Orders will issue in the Public Works Department in regard to the acquisition of the site and the construction of buildings for the school. Meanwhile the Director of Public Instruction is requested to select a ^{tenant} suitable building for the location of the school.

First reminder to issue after one month from the
date of despatch of the f.o.

To ²⁰⁰2414 (Q26) ✓
The D.E.I.
" E.G. (thru 'Finl.)
" P.W.D. with a copy of notes
" Financial Dept.
" Revenue Dept. ✓
" L.N. Sept ✓

(200) ~~SECRET~~ H. T. (Larson)

2074/100

NOTES CONNECTED WITH G.O. No. 522, HOME (EDUCATION),
DATED 23RD APRIL 1918.

[SUBJECT.—*Establishment of an engineering school at Vizagapatam.*]

I

Previous papers:

G.O.	550, <i>Financial,</i>	30th August 1915.
"	631 <i>W.,</i>	22nd April 1916.
"	722, <i>Home (Education),</i>	31st May 1917

IV

HOME (EDUCATION) DEPARTMENT

From the Director of Public Instruction, dated 14th February 1918, No. 4702.

Submitted that copies of the current, the site committee's report and the Principal's letter together with the site plan may be forwarded to the Public Works Department for necessary action in regard to the acquisition of the site and the preparation of plans and estimates for the school building.

2. The next question that has to be considered is the management of the school, referred to in paragraph 3 of G.O. No. 722, dated 31st May 1917. Three methods have been suggested—

- (1) Direct control of the Principal of the College of Engineering ;
- (2) Direct control of one of the local officers of the Public Works Department ;
- (3) Employment of a competent superintendent with a large measure of responsibility.

It is considered that the local Public Works Department officers could not supervise the school effectively without serious interference with their touring and inspection work. The Director is of opinion that "the school under a Superintendent in the Indian Educational Service might be independent of the college although supervision by local engineer officers appears not to be practicable". The Principal of the Engineering College agrees that, if the school is intended only for the training of lower subordinates, it may very well be under quite independent control, but that, if students are also to be selected from the school for the upper subordinate class in the college, the Principal should have something more than general supervision and power to interfere directly in a superior capacity with a view to see that the preliminary work done by the upper subordinate students in both the institutions is similar.

The present intention is only to train lower subordinates at Vizagapatam (paragraph 2 of G.O. No. 722, dated 31st May 1917). The question of sending selected students to the upper subordinate class has not been considered till now specifically. It is for orders whether for the present and until further experience is gained the school may be equipped to train only lower subordinates. If so, a competent superintendent may be allowed to be in independent charge of the institution. The advice of the Chief Engineer may be invited.

3. The accommodation and equipment proposed by the Principal is almost the same as that suggested by him in April 1916 (pages 5 to 7 of notes to G.O. No. 722, dated 31st May 1917.) If Public Works Department agree the estimate may be accepted.

X

4. The staff * for the school now proposed by Mr. James is the same as that

	Rs.	
*One Superintendent.	500—1,000	
One assistant instructor.	150	(Supervisor, second grade.)
Two assistant instructors.	200	(Overseer, first grade.)
Workshop teacher and instrument repairer.	30	
Gymnastic teacher..	15	(Part-time).

recommended by him two years ago with the modification that the Superintendent's pay is now fixed at Rs. 500—1,000 against Rs. 400—20—500 formerly proposed. Mr. James' present recommendation is based on the "desire of Government that the Superintendent should be an officer of some standing" and on the assumption that he should be of the rank of an officer of Indian Educational Service.

The pay proposed seems very high and no strong grounds have been urged in support of it. The Chief Engineer may be requested to offer his advice on this point and generally on the establishment recommended.

5. A total provision of '31 lakh (-15 for recurring charges and -16 for equipment, etc.) has been entered in the budget estimate for 1918-19.

6. The Director has been separately asked to report whether the school could be opened in a rented building for the present.

S.A.—25-2-18.

T.K.—26-2-18.

C. RAMANUJA ACHARIYAR—26-2-18.

There is provision in the budget and this should be dealt with urgently.

2. Regarding site and preparation of plans for permanent buildings, to Public Works Department.

3. The urgent matter is about starting the school. In my opinion the Director of Public Instruction's proposals may be sanctioned with one exception.

4. The schools should not be reserved for the training of lower subordinates only. Under such conditions very poor material only in the way of students will be attracted. The best students in the school should step therefrom to the Engineering College. Hence education on parallel lines is indispensable. Chief Engineer Mr. Murray remarks (page 14 of notes to G.O. No. 722, dated 31st May 1917)—

"Personally I attach importance to such a school being under the direct control of the Principal of the Engineering College. The training and education to be given there should be on parallel lines with those at the parent college, and this will not be effected if each school is run as a semi-independent educational centre."

Mr. James is also practically of the above opinion.

5. Honourable Member (I's) views are contained in page 18, note file of G.O. No. 722, dated 31st May 1917.

6. It is not however clear what amount of 'direct control' the Director of Public Instruction wants. I believe it is enough if the Principal exercises general supervision over the scope of the teaching and by occasional visits takes steps to see that the working of the school is in harmony with that of the college.

7. Both institutions are under the Director of Public Instruction who can co-ordinate and can arrange transfers whenever necessary.

8. The arrangement I sketch out above will be akin to the practice, some time ago obtaining in the educational, of headmasters of complete secondary schools supervising incomplete secondary schools.

9. When more schools are started, even this will not be necessary as we have then acquired experience. The curricula of studies will always be definite. The schools will then be analogous to second-grade colleges.

10. If the powers noted above are reserved to the Principal, it appears to me enough to fix the Superintendent's salary on 400—20—500.

11. Cannot a scheme on the above lines be tried by way of beginning?

R. RAMACHANDRA RAO—27-2-18.

OFFICE OF THE DIRECTOR OF PUBLIC INSTRUCTION.

As regards control it is not I but the Principal, College of Engineering, who wants that officer to exercise direct control. I quite contemplate the school teaching upper subordinates in time and I see great force in its best pupils passing on until the school is thoroughly started to the College of Engineering. This would be best secured, it seems to me, by a common examination for promotion to the upper subordinate class in the College of Engineering, if the upper subordinate class in that college can be increased by the number of students it may be expected would come up to the upper subordinate class standard at Vizagapatam.

2. If the school is to be started at once it seems particularly important to put a really competent man in charge and that is a strong reason in addition to the general advantage of having a man who can be trusted to run the school himself for making the post equal to a Indian Educational Service post, i.e., on a pay of Rs. 500—50—1,000. We want a man who will see the school through all its initial difficulties and will be equal to the growing demands on a Principal that will come with its growth.

3. The immediate thing is to find somewhere to locate the school and I am taking steps to this end. The want of a building is, I fear, likely to prove the most serious difficulty.

J. H. STONE—2-3-18.

HOME (EDUCATION) DEPARTMENT.

The Director of Public Instruction generally agrees with the Secretary except in the matter of the Superintendent's pay which he thinks should be fixed at Rs. 500—50—1,000.

2. Submitted that the file may now be forwarded u.o. to Public Works Department with reference to paragraph 2 of Secretary's note on page 3 ante and for the advice of the Chief Engineer.

S.A.—4-3-18.
T.K.—5-3-18.

C. RAMANUJA ACHARIYAR—5-3-18.

Very well; let the Superintendent's pay be fixed at Rs. 500—50—1,000. Can we not first issue a Government Order approving of these proposals and asking the Director of Public Instruction to select a house, etc. Draft to Public Works Department and Financial for acceptance. Thereafter take action on paragraph 2 above.

The point is to get on if possible.

R. RAMACHANDRA RAO—6-3-18.

With reference to the Secretary's note above it is submitted that if the post of Superintendent is included in the cadre of the Indian Educational Service and if he is to be recruited from England, the sanction of the Secretary of State will have to be obtained for the creation of the post. As the school should be started in July next it is submitted that the Superintendent's pay may for the present be fixed at the minimum of Rs. 500 and the Government of India addressed after the proposals have been finally approved. The establishment may, in this case, be sanctioned temporarily for the present. A draft order is submitted for approval. The file may now be sent to Public Works and Financial.

S.A.—9-3-18.
T.K.—11-3-18.

C.R.—13-3-18.

L. D. SWAMIKANNU—14-3-18.

PUBLIC WORKS DEPARTMENT.

Please see the Home (Education) Secretary's note on page 7 ante.

As the matter is urgent—because the school is to be started in July next—the draft order may be accepted in this department and the case passed on to Financial. On receipt of the Education Department's orders, the question of posting the subordinates required for the school may be taken up.

2. When the case is received again in this department—vide portion B of the note—the remarks of the Chief Engineer on the points on which his advice is sought may be furnished..

R.A.K.—18-3-18.

T.P.S.—18-3-18.

3. Paragraph 3 of the draft order may also be accepted. [It will be seen from the linked file that information as to the accommodation required and the site are awaited in the Public Works Department.] Home (Education) will no doubt forward to the Public Works Department along with the Government Order the site plan and a copy of the current file and notes. On their receipt, further action will be taken in Public Works Department.

T.P.S.—18-3-18.

P. Rao—18-3-18.

W. G. MOLESWORTH—18-3-18.

The first difficulty is to find the house and the man. Draft accepted in the Public Works Department.

S. B. MURRAY—19-3-18.

FINANCIAL DEPARTMENT.

Attention is solicited to Financial Department notes and the Honourable Member's notes on pages 17 and 18 of notes to G.O. No. 722, Home (Education), dated 31st May 1917, regarding the establishment of an engineering school at Vizagapatam for the training of lower subordinates. The Honourable Member has noted that the school should be started as soon as possible in rented premises.

2. According to the present proposals, the school is not to be reserved for the training of lower subordinates only. The working of the school is to harmonize with that of the College of Engineering, Madras, the best pupils in the former being eligible for promotion to the upper subordinate class in the latter. Please see paragraph 4 of Home Secretary's note on page 24 ante and the Director of Public Instruction's note on page 3 ante as regards the necessity for enlarging the scope of the school. The proposals of the Home Department in this regard may, it is submitted, be accepted.

3. The extra cost of opening the school is now estimated as shown below:—

Non-recurring.			
(i) Buildings	Rs. 40,000 to Rs. 45,000		
(ii) Equipment	„ 20,000 to „ 27,000		
Total	Rs. 60,000 to Rs. 72,000		

Recurring.			
(iii) Staff—		Rs.	
(a) One Superintendent—Indian Educational Service officer—(Rs. 500—50—1,000).	...	850	
(b) One instructor—Supervisor, second grade (Rs. 150).	...	150	
(c) Two instructors—Overseers, first grade (Rs. 100).	...	200	
(d) One workshop teacher (Rs. 30)	...	30	} inclusive of grain compensation allowance.
(e) One gymnastic instructor (Rs. 15)	...	15	
(f) Two clerks and librarian—1 (40), 1 (30).	...	70	
(g) One attendant (Rs. 10)	...	10	
(h) Four peons—2 (9), 1 (8), 1 (7)	...	33	
(i) Menial establishment paid from contingencies.	...	25	
(iv) Allowances, supplies and services, etc.	...	Rs. 1,384 per mensem. „ 3,000 per annum.	
Total	Rs. 19,608 per annum.		

4. *Items (i) and (ii).*—No remarks. The extra cost under buildings will be definitely known only when plans and estimates are prepared by the Public Works Department. The draft does not specifically sanction the cost under 'equipment.' Apparently the Home Department expect to receive a separate estimate from the officer selected as Superintendent of the school.

5. *Item (iii)—(a) Superintendent.*—In the estimate prepared in 1916 by the Principal of the Engineering College, a Superintendent of Rs. 400—20—500 was provided for—page 6 of notes to G.O. No. 722, Home (Education), dated 31st May 1917. It is now proposed to provide an Indian Educational Service officer for the post of Superintendent—please see paragraph 2 of the Director of Public Instruction's note on page 4 ante about the necessity for an appointment included in the Indian Educational Service cadre. As the creation of such an appointment will require the sanction of the Secretary of State, Home propose to sanction a temporary appointment for the present on Rs. 500 (the minimum pay of the Indian Educational Service) and to address the Government of India "after the proposals have been finally approved."

Questions regarding the future organization (including strength) of the Indian Educational Service (future class I) in accordance with the recommendations of the Public Services Commission's report are separately under consideration and until a definite decision is arrived at on them, it does not appear desirable to formulate

I don't think this is affected by the proposals of the Royal Commission. In any case the question of an Indian Educational Service Principal cannot be held up until orders are passed on the Commission's proposals.

L.E.K.—2-4-18.

L.D.—2-4-18.

proposals for increasing the cadre of the Indian Educational Service. Orders are solicited whether Home Department may be requested to defer the consideration of the inclusion of the Superintendent's post in the Indian Educational Service. The proposal of Home Department to create a temporary post on Rs. 500 for three years may be accepted.

6. *(b) and (c)—Instructors.*—To provide for four temporary instructors in the Engineering College, appointments are created on the temporary establishment of the Public Works Department—pages 25, 26 and 28 of G.O. No. 631 W, dated 22nd April 1916. A similar arrangement may be followed in the present case also until the school is put on a permanent footing. If this is agreed to, it will suffice to

This is worth consideration.

L.E.K.—2-4-18.

L.D.—2-4-18.

sanction at present three Overseers on Rs. 60, the men actually required for the school being deputed from the Public Works Department.

7. *(d), (e), (f), (g), (h)—Workshop*

L.E.K.—2-4-18.

L.D.—2-4-18.

instructor, Gymnastic instructor, clerks, attender, peons.—The proposals may be agreed to.

8. *(i)—Menials paid from contingencies.*—It may be specifically stated in the

L.E.K.—2-4-18.

L.D.—2-4-18.

draft that these men should be paid in accordance with market rates—vide G.O. No. 550, Financial, dated 30th August 1915.

9. *Item (iv)—Allowances, supplies and services, etc.*—No remarks.

10. The school is to be started from July next. A lump provision of Rs. 31,000 has been made in the Civil Budget Estimate for 1918-19 on account of the opening of this engineering school.

T.R.N.N.—1-4-18.

L. E. KERSHAW—2-4-18.

L. DAVIDSON—2-4-18.

Approved.

L.D.S.—8-4-18.

HOME (EDUCATION) DEPARTMENT.
The addition made to paragraph 1 of the draft with reference to paragraph 8 of the Financial note on page 12 ante is for approval.

above

6 NOTES to G.O. No. 522, HOME (Education), 23rd April 1918

2. The Public Works Department may be requested to state if they agree to the Financial's suggestion in paragraph 6 on page 12 ante.

S.A.—5-4-18.

N.K.—5-4-18.

C. RAMANUJA ACHARIYAR—6-4-18.

L. D. SWAMIKANSU—8-4-18.

PUBLIC WORKS DEPARTMENT.

This department may accept the suggestion contained in paragraph 6 of the Financial Department note on page 12 ante and the case may be returned to Home (Education) for the issue of the order.

R.A.K.—10-4-18.

W. G. MOLESWORTH—16-4-18.

HOME (EDUCATION) DEPARTMENT.

The draft order has been revised with reference to paragraph 6 of Financial note on page 12 and the Public Works Department note on page 13 ante and is submitted for approval.

S.A.—18-4-18.

N.K.—18-4-18.

C. RAMANUJA ACHARIYAR—19-4-18.

R. RAMACHANDRA RAO—20-4-18.

P[ENTLAND]—22-4-18.

I suggest that the first twollines of paragraph 3 of the draft be omitted, and that that paragraph should run: "The Principal, College of Engineering, Madras, will exercise general supervision over etc." It is difficult to see how an officer stationed in Madras could exercise 'direct control' over a school at Vizagapatam. The analogies available are against it, for instance the Principal of the Medical College, Madras, does not 'control' the Medical School at Vizagapatam. The Director of Public Instruction is not in favour of it, and with a Superintendent on Rs. 500 per mensem, no outside direct control should be needed, even if the interference of an outside authority with school management were not well known to be generally in-advisable.

A. G. C[ARDEW]—22-4-18.

Issue.

R.R.—23-4-18.

[G.O. No. 522, Home (Education), dated 23rd April 1918.]

Scott, 14-38-1-17

PREFERENCE.

26 APR 1918

...DEPARTMENT.

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G.O. No. 522 dated 23-4 1918

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