

Government of Madras.

EDUCATIONAL DEPARTMENT.

Recd.

Regd.

} 1912.

Enclosures

Spare copies

G.O. No. 156, 23rd February 1912.

Building Grant.

Sanctioning a grant not exceeding Rs. 1,466 towards the cost of constructing workshops, producer house and tanks for a gas installation at the St. Aloysius' College, Mangalcre.

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Sanctioning a grant not exceeding Rs. 1,466 towards the cost of constructing workshops, producer house and tanks for a gas installation at the St. Aloysius' College, Mangalore.

GOVERNMENT OF MADRAS.

EDUCATIONAL DEPARTMENT.

READ—the following papers :—

I

Letter—from the Principal, St. Aloysius' College, Mangalore.
To—the Inspector of Schools, Eighth Circle.
Dated—the 23rd August 1911.
No.—120.

With reference to paragraph 3 of the Director's Proceedings No. 3087, dated 1st August 1911, I have the honour to enclose herewith an application for a third grant towards the construction of (1) the brick tanks and gas house masonry for the installation of the oil-gas plant (as specified in my application dated 1st May 1911) and (2) of the workshop in connection with the physical laboratory of the college (as likewise specified in my application dated 1st May 1911) with the necessary plans and estimates.

On the authority of the Proceedings of the Director, No. 3087, dated 24th May 1911, on your endorsement No. 122-Camp, dated 5th May 1911, I have already put in hand the construction of the brick tanks and gas house masonry for the installation.

The urgency of the work, the condition of the ground on which the workshop was to be built and the demands of the contractors, etc., have compelled me likewise to allow the commencement of the construction of the workshop in anticipation of formal sanction. I have therefore the honour to request you to be so good as to forward my application to the Director with your recommendation.

Ref. on Cur. No. 634, dated 19th September 1911.

Submitted to the Director of Public Instruction with reference to his Proceedings Ref. on Cur. No. 3087, dated 1st August 1911.

P. P. BRAITHWAITE,
Inspector of Schools, Eighth Circle.

Ref. on Cur. No. 6806, dated 7th October 1911.

Submitted to Government, Educational, and recommended that a third grant of Rs. 1,466 may be sanctioned under rule 51 of the Grant-in-Aid Code.

2. The management has been forced to begin the work in anticipation of the sanction for grant as the brick tanks and the gas house were wanted for use very urgently. It is requested that the management's action may, in the circumstances explained, be approved as a special case.

J. H. STONE,
Ag. Director of Public Instruction.

II

Note by the Chief Engineer, Public Works Department, dated 6th December 1911.

The Principal, St. Aloysius' College, Mangalore, South Canara district, has submitted for sanction plans and estimates for constructing (1) workshops, Rs. 3,000, and (2) producer house and tanks for gas installation, Rs. 1,400, amounting to Rs. 4,400 in all.

The Director of Public Instruction has approved, in view of the urgent nature of the work, of the construction of the workshops in anticipation of sanction as a special case.

The plans and estimates have been scrutinized in the Chief Engineer's office and with the following remarks are recommended for revision and resubmission :—

Workshops.—(1) The scantlings of all the wood work proposed for the roof should be altered to the dimensions shown in the statement below, unless the construction has proceeded too far, in which case the purlins of the main room and verandah and the ridge beam alone need be altered :—

	Provision made in estimate.	As proposed in 1. section.
Tie beam.	4½" × 6½"	4" × 6"
Principal rafter	4½" × 6½"	4" × 5"
Strut	4½" × 4½"	4" × 4"
Ridge	3" × 7"	3" × 9"
Purlins for main rooms	4" × 6½"	5" × 8"
Common rafter	2½" × 4½"	2" × 4½"
Purlins for verandah	2½" × 4½"	4" × 6"
Brackets	2" × 4"	3" × 4"
Strut	2" × 4"	3" × 4"

(2) The distance between centre to centre of common rafters should be reduced from 2' 6" to 2' 0".

Producer house and tanks.—(1) The estimates and plans for these do not agree either in the nature and width of the foundations, or in the thickness of the wall in the superstructure, or in the main dimensions of the producer house.

(2) A more easily constructed roof would consist of a rolled steel girder 9" × 4" × 21 lb. in the centre of the room over which ferro-concrete slabs previously manufactured may be spread and either concreted and plastered, or tiled and plastered, according to convenience. The reinforcement proposed for the slabs should be specified or expanded metal of No. 9, 3" × 3" × 1/8" mesh should be used.

C. A. SMITH,
Chief Engineer, P.W.D.

III

Endorsement No. 2514-2, Educational, dated 16th December 1911.

The plans and estimates for the construction of the brick tanks, the gas house masonry and the workshop in connection with the physical laboratory of the St. Aloysius' College, Mangalore, are returned to the Director of Public Instruction for resubmission after revision in accordance with the Chief Engineer's note read above.

(By Order.)

M. S. MASCARENHAS,
Under Secretary to Government.

To the Director of Public Instruction.

IV

Letter—from the Engineer in charge of the construction of new buildings, Workshops, Producer house and tanks for gas installation.
To—the Principal, St. Aloysius' College, Mangalore.
Dated—the 24th December 1911.

With reference to the Director's Proceedings No. 6806 of 20th December 1911, and the Public Works Department Chief Engineer's note, dated 6th December 1911, communicated to me, I beg to submit the following supplementary explanations, which I trust will meet with the Chief Engineer's approval.

With regard to the proposal of alterations—

(1) *Workshops.*—(a) The purlins are supported on principal rafters, with angle iron brackets $18'' \times 2\frac{1}{2}'' \times \frac{3}{8}''$ thus reducing the unsupported length of the purlin from 12' to 10 $\frac{1}{2}$ '. The scantling has therefore been reduced from $5'' \times 8''$ to $4'' \times 6\frac{1}{2}''$.

(b) *Ridge.*—A similar bearing of a wooden block $18'' \times 6'' \times 8''$ supports the ridge beam, thus also minimising the span from 12' to 10 $\frac{1}{2}$ '. The scantling on this account has been reduced as shown in the estimate to $3'' \times 7''$.

(c) *Verandah purlin.*—The omission of a strut to the purlin is now shown in plan marked A in red ink. The main rafter is continuous from purlin to eaves marked B in sketch. The weight carried by this purlin is minimised to one-half the weight of the verandah roofing—i.e., $2' 6''/2$; the scantling of $2\frac{1}{2}'' \times 4\frac{1}{2}''$ and strut $2'' \times 4''$ is therefore provided.

(2) *Rafters $2\frac{1}{2}'$ centre to $2'$.*—The distance of $2' 6''$ from centre to centre of common rafter, hitherto adopted in all the college buildings, has been followed in this case, specially seasoned local timber erool and karimaradoo having been utilized.

(3) (a) *Producer house and tanks.*—Plan marked E shows the detail section of foundation and superstructure to suit laterite stones $18'' \times 9'' \times 6''$. The soil met with being soft laterite rock on the eastern face and hard firm gravel on the western side. The estimate shows actual measurements of work executed to suit the soil met with.

(b) *The ferro-concrete roof*—comprises of two ferro-concrete beams $8'' \times 6''$ with reinforcements of $4\frac{3}{8}''$ round bars connected with stirrups $\frac{1}{8}''$, 12" apart on the Hennebique system. The beams are monolithic with the slabs, which is 4 inches thick, with armouring of $\frac{1}{4}''$ dr. bearers and $\frac{1}{8}''$ distributors, 4" apart forming a 4-inch mesh of grillage. The stirrups of the beam are connected with the armouring of the slab. The aggregate consists of broken blue granite $\frac{1}{2}''$ ring mixed in the following proportion: 1 cement (white bed) by measure to 2 screened and washed gritty sand to 3 of broken granite. All surfaces being finished off with $\frac{1}{2}''$ cement plaster and sectioned for drainage. The slab on completion was kept damp and well watered for a period of 15 days prior to the centring and scaffolding being removed.

The arrangement of two beams was adopted to suit the plan supplied by Mansfield & Co.

N.B.—The workshop and producer house have been completed and the buildings are under use.

Principal.

Ref. on Cur. No. 6806, dated 25th January 1912.

Submitted to Government with reference to Endorsement No. 2514-2, Educational, dated 16th December 1911.

A. G. BOURNE,
Director of Public Instruction.

V

Note by the Chief Engineer, Public Works Department, dated 14th February 1912.

The Principal, St. Aloysius' College, Mangalore, South Canara district, has re-submitted the plans and estimates for constructing (i) workshops, Rs 3,000, and (2) producer house and tanks for gas installation, Rs. 1,400, amounting to Rs. 4,400 in all with his letter, dated 24th December 1911, explaining in detail that some of the alterations suggested in the Chief Engineer's note, dated 6th December 1911, have not been adopted for reasons stated by him.

2. The Chief Engineer after due consideration of the explanation given is of opinion that the roofs should be subjected to early examination both now and after the monsoon by the Executive Engineer, West Coast division, and that the concrete roof and scantlings not definitely passed until he reports favourably.

C. A. SMITH,
Chief Engineer, P.W.D.

Order—No. 156, Educational, dated 23rd February 1912.

The Government are pleased to sanction a grant not exceeding one-third of the actual expenditure, nor exceeding Rs. 1,466, towards the cost of constructing workshops, producer house and tanks for a gas installation at the St. Aloysius' College, Mangalore, subject to the following conditions:—

(1) That the roofs are examined and reported on favourably by the Executive Engineer, West Coast division, as suggested in paragraph 2 of the Chief Engineer's note, dated 14th February 1912;

(2) that a certificate of the actual expenditure incurred on the work is submitted within a month after the report of the Executive Engineer; and

(3) that all other conditions prescribed in the Grant-in-Aid Code have been duly complied with.

2. On the above conditions being fulfilled, the grant will be paid as funds become available.

(True Extract.)

L. DAVIDSON,
Ag. Secretary to Government.

To the Director of Public Instruction, with plans and estimates and Chief Engineer's note.
" Accountant-General.
" Public Works Department.
Editors' Table (Order only).

5
EDUCATIONAL DEPARTMENT.

NOTES CONNECTED WITH G.O. No. 156, EDUCATIONAL, DATED
23RD FEBRUARY 1912.

[SUBJECT.—*Application for a grant-in-aid of constructing brick tanks, etc., in the
St. Aloysius' College, Mangalore.*]

From the Director of Public Instruction, dated 7th October 1911, No. 6006.

The plans and estimates may be forwarded to the Public Works Department u.o.
for scrutiny in the first instance.

2. That department may be requested to treat the matter as urgent and also to
note the time required for the completion of the work.

P.R.—20-11-11.

T. KANAKASUNDARAM PILLAI—20-11-11.

By a careless mistake in Educational the original papers were sent to the India
Office and then time was wasted procuring copies out here; this is why the case is
urgent now.

L. DAVIDSON—21-11-11.

To the Public Works Department.

PUBLIC WORKS DEPARTMENT.

Note by the Chief Engineer, Public Works Department.

The file may be returned to the Educational Department with the request that
they will return the plans to the Director of Public Instruction for revision and
re-submission with reference to the Chief Engineer's note read above.

P.R.—9-12-11.

P.K.S.—11-12-11.

W. G. MOLESWORTH—11-12-11.

To the Educational Department.

EDUCATIONAL DEPARTMENT.

A draft endorsement is submitted for approval.

P.R.—16-12-11.

R. SUNDARAM AIYAR—16-12-11.

M. S. MASCARENHAS—16-12-11

[Endorsement No. 2514-2, dated 16th December 1911.]

ORDINARY.

PREFERENCE.

URGENT (a).

EDUCATIONAL
LEGISLATIVE DEPARTMENT.

27 FEB 1912

Current No., dated 190 ..

G.O., No. 156, dated 23 - 2 - 1912

Number of MS. pages sent { Correspondence including order or orders
(b)
Notes. (b¹)

Docket. Building front Sancho...

Paint not exceeding Rs 140.6 towards
the cost of constructing workshop
for repair of house and tanks for a pump
installation at the St. Mary's College
Mangalore

Number (c) of copies required when struck off (not including
copies for volumes and editors' table which are retained
in the Press).

Complete
Correspondence
and orders.

Notes

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Ooty Records	...	...	...	2	3
For filing with original	...	...	...	1	1
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FOR ISSUE.†

	Letter only.	Complete G.O.	Special issue copies (b) of G.O.		Notes.
			No.	Papers.	
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INSTRUCTIONS FOR THE
SECRETARIAT.

(a) If a paper is marked to be printed
urgently, the Superintendent of the section
concerned should sign the Press slip. The
Superintendent should exercise a careful discre-
tion in the matter.

(b) Each letter, memorandum, or order, or set
of orders, in the file of correspondence should be
headed in succession with the Roman numeral I,
II, III, etc., the number being written in red ink
or blue chalk above the item. The particular
papers to be printed in the special issue-copies
should be indicated by the Roman numeral (I,
II, etc.) by which that item has been headed in
the correspondence file. All matter, including
marginal remarks or references, to be printed
should be written in ink and matter which should
not be printed should be encircled. Initials and
signatures that are not quite legible should be
re-written distinctly.

(b¹) For rules regarding printing of notes,
see the rules in G.O., No. 1220, Public, dated
30th November 1900.

(c) The number of copies and the details of
distribution should be filled in by the Superin-
tendent or referencer concerned.

(d) In the absence of special instructions to
the Press to keep matter standing for a specified
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will be kept standing for one week, and larger
papers for two weeks only. The type of notes
and of all confidential papers is distributed
immediately after striking.

(e) This slip, properly and completely
filled in, should accompany every paper sent to
Press; it will be returned by the Press when
proofs are furnished; it should be sent to the
Press when a call is made for revised proofs or
when a corrected proof is sent for striking.
When finally returned by Press it should be
filed with the original order or letter.

INSTRUCTIONS FOR THE PRESS.

(a) If, in the opinion of the Superintendent of
the Press, a paper has been marked urgent
unnecessarily, he should send the Press slip to
the Deputy Registrar with a remark to that
effect.

(b) Unless a note to the contrary is made
against the matter, pencil entries should not
be printed. The Superintendent of the Press
may bring to the notice of the Deputy Registrar
any instance of incomplete or careless editing.

(c) Signature copies of letters to the
Secretary of State or to the Government of
India should be printed on hand-made paper.

(d) This slip should be returned by the Press
to the Secretariat when proofs are furnished; it
will be sent back to the Press when proofs
are returned corrected and should be finally
returned to the Secretariat when struck-off
copies are supplied.

(e) The names of the Secretary and Members
should be printed in full when they occur on
the right hand side, but only the first time when
they appear on the left side, the initials alone
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* To be initialed and dated.

TO PRESS, MADRAS.
OOTY.

A

B

C

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Proof returned corrected. Please strike off and send number of copies as indicated.

As the matter is clear manuscript and has been carefully edited, (b) proof need not be sent. Please print and supply number of copies as indicated.

Type may be released after usual interval at once.

Type may be released after usual interval.

Clerk.

Clerk.

Clerk.

Supdt.

Supdt.

Supdt.

(b) Three copies of proof of all notes should be sent for approval, except when instructions are given to the contrary.

SPECIAL INSTRUCTIONS.

Over Please send 4 separate copies of the fo. at an early date.

SM
26-2-12.

TO BE FILLED IN BY THE PRESS.

Diary.	Initials of Press official.		
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First proof furnished on.....	4/3/12	<i>SM</i>	<i>SM</i>
Call for revised proof received on.....			
Revised proof furnished on.....			
Corrected proof received for striking on.....	13/3/12	<i>SM</i>	<i>SM</i>
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