

Education and Public Health

(194⁷) Department

Ms. **SERIES.**

G.O. NO. 2462 Edn.,

Dated 15-11-1947.

[Despatch Abstract.]

Schools-Local bodies-Buildings-Construction and repairs-Plans and estimates-
Revision by consulting Architect to Government-Modification of the existing
orders-Considered unnecessary.

Director of Public Instruction, Madras.

Enclosure.

Copy of letter RC.D3.6687/46 dated 26.3.47 from the Divisional Engineer (Highways) Tanjore to the Special Officer, District Board, Tanjore.

Sub: BUILDINGS - Board High School for Girls - Pattukottai
Plan and estimate for Rs.4150/- - returned for revision
Ref: Your RC.A2.30044/46 dated 7.2.47.

Referring to the remarks offered by the Consulting Architect in the above reference I have to submit that proposals for acquiring the adjoining site in the south west corner have been forwarded to you in this office reference D.Dis.4469/45 dated 18.9.46, and the present latrine (the location of which is objected to) will be shifted to the adjoining site after acquisition.

Items 4,6,7 and 8 pertain purely to the strength of foundation and roof as well to rates on which, I think, the Consulting Architect is not authorised to remark.

Item 5: This is an approved Type Design (C.A., No.31/1941) and if it is felt that a verandah may be useful addition, the Consulting Architect may arrange to change the Type Design accordingly.

In this connection I have to submit that as per the Executive Instruction 387.B of the Local Boards Manual, the presidents of the District Boards are requested to consult the Director of Public Instruction in regard of educational buildings in cases in which they consider the opinions of this office necessary. But this procedure was revised and as per G.O.No.506 dated 2.4.45 all the estimates costing more than Rs.1000/- even including repairs estimates are expected to get the administrative approval of the Director of Public Instruction. I request that necessary action be taken to cancel the Government Order dated 2.4.45 in view of the above and following facts.

I request that the Government may kindly be addressed regarding the functions and the powers of the Consulting Architect for clarification. I consider that the Architect is only concerned with the locations and general appearance of remarking about technical details such as strength of foundations, design of trusses and roof timbers rates etc.

I feel that the Consulting Architect is not competent to deal with technical matters regarding the strength of structure after my approval of the estimate. It is only my Superintending Engineer who can remark on this.

Of late I find many estimates approved by me being returned for revision. It would have been encouraging if the Consulting Architect approves the estimate subject to consideration of his remarks. We have come constructing criticism whether one is authorised to do it or not. But the present tendency seems to be to go back after works than to go ahead.

Endorsement No 31301.B1/47-1. Edo. 8. 2/5/47.

Referred to the Director of Public Instruction

for remarks

(By order)

Assistant Secy to Govt
1/5/47

To the Director of Public Instruction

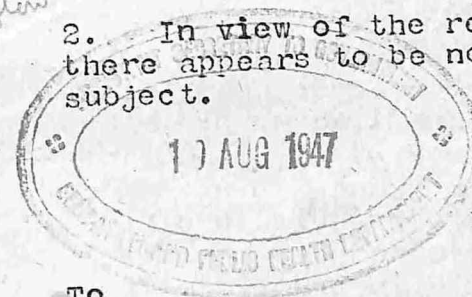
OFFICE OF THE DIRECTOR OF PUBLIC INSTRUCTION, M A D R A S
R.C. No. 761-G2/47, dated 5th August, '47.

&f&

REF: GOVERNMENT ENDORSEMENT NO.31301-B1/47-1 Education, dated 2-5-1947 forwarding letter Rc.No.A2.30044-D.B. 46 dated 12-4-47 of the Special Officer, District Board, Tanjore, regarding revision of plans and estimates by Consulting Architect to Government in respect of Board High School for Girls, Pattukottai.

RESUBMITTED with a copy of remarks dated 17th July 1947 of the Consulting Architects to Government in the matter.

2. In view of the remarks of the Consulting Architect, there appears to be no need to modify the existing rules on the subject.



for DIRECTOR OF PUBLIC INSTRUCTION.

To

THE SECRETARY TO GOVERNMENT,
EDUCATION & PUBLIC HEALTH DEPARTMENT.

Ram.8/8.

Copy of No.875 dated 17th July 1947 of the Consulting Architect to Government, Chepauk, Madras to the Director of Public Instruction, Madras.

Sub: District Board, Tanjore - Secondary School Buildings -
Approval of plans and estimates.
Ref: Your Endorsement Roc.No.761-G/47, dated 28-5-47.

Please refer to the undermentioned Government Orders:-

- (i) Para (4) of G.O.No.1495 Law (Education) dated 12-10-1921.
- (ii) G.O.No.1718-W dated 22-11-1921, and
- (iii) G.O. No. 18-W dated 5-1-1924.

The Technical scrutiny work connected with all plans and estimates for grant-in-aid Educational buildings received by the Director of Public Instruction, which do not conform to standard designs as well as those for works estimated to cost more than Rs.50,000/-has to be done by the Educational Branch in the Office of the Chief Engineer P.W.D.(Buildings). This Educational Branch which was for some time in charge of an officer styled "Special Consulting Architect" has been since 1928, in charge of the regular Consulting Architect to Government and he is doing the scrutiny work in respect of the Grant-in-aid educational buildings with the aid of an Assistant Engineer in the Technical Section of the Office of the Chief Engineer (Buildings). In para 2 of G.O.No.3215 L&M dated 7-9-1925, it was ordered that the technical scrutiny work in respect of the Educational buildings under the control of Local Boards and Municipal Councils should also be done by the Educational Branch of the Office of the Chief Engineer (Buildings). This was done with a view to secure uniformity in rendering technical advice to the Director of Public Instruction in the matter of Educational buildings irrespective of the fact whether they relate to private management or local boards and municipalities.

2. In the matter of Grant-in-aid educational buildings, it is only the plans and estimates prepared by duly qualified persons, such as a recognised professional Architect, a Member of Associate Member of Civil Engineers, a Gazetted Officer of the Public Works

Public Works Department (present or retired), or a District Board Engineer (present or retired), that can be taken up for consideration by the Director of Public Instruction - Vide Article 53(ii) of the Educational Grant-in-aid Code. While such plans and estimates prepared by persons with as much qualifications as, or even better qualification than, a Divisional Engineer (Highways) undergo technical scrutiny in the Educational Branch of the Office of the Chief Engineer (Buildings), there is no justification for the Divisional Engineer (Highways) in the case in question to take objection to the scrutiny in that branch of the plans and estimates prepared by him for the Board High school for girls, Pattukottai.

insufficient but
referred in
capacity

The Technical remarks made by the Consulting Architect to Government in the cases of Educational buildings referred to him by the Director of Public Instruction are not issued by him in his capacity as the Officer in charge of Educational Branch of the Office of the Chief Engineer (Buildings) specially constituted to give the necessary technical advice to the Director of Public Instruction. In the latter capacity, the Consulting Architect is competent to offer remarks even about technical details, such as the strength of foundations, designs of trusses, roof timbers, rates, etc. The technical remarks passed in the particular case in question are all justified and it is necessary that the Director of Public Instruction should insist on their being adopted in the interests of the Tax-payer's money.

3. In the light of these remarks, I consider that there is no need for getting the existing Government orders modified in respect of District Board Educational buildings.

/True copy/

In. Sh. D. Lakshay
for DIRECTOR OF PUBLIC INSTRUCTION.

SDP
8/8

ETAM (m)

The GOS referred to in the Director's letter have been called for from the MRO Chittoor this may be our till 22-8-47 as the GOS are received which ever is earlier

182
15-8-47

hr
14-8-47

78
Depo
26/8/47
Inued
26/8/47

(8)

PC

T.M. (4) 5
From The Assistant Secretary ETAM Depd
To The Deputy SDP
Reference Director's Memo No T61G2/473
5.8.47 regarding revision of plans & estimates relating to the construction of Board High School by the Consulting Architect to Govt at the instance of the SDP

Please furnish a copy of G.O. No 506 Edu dated 2.4.45 under which Principals of B.S. are required to obtain the administrative approval of the SDP even in respect of estimates costing more than Rs 1000 as the originals are not readily available

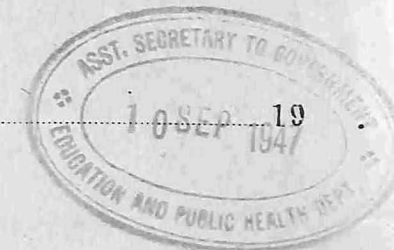
hr
26/8/47

hr
25.8.47

LOCAL ADMINISTRATION DEPARTMENT.

Received 19

Registered



Subject.

BUILDINGS - Education - Secondary - Scrutiny of plans and estimates by the consulting Architect to Government - Clarification - Solicited -

71836

ENCLOSURES.	
No.	
Spine copies	

No. Roc.5018-B6-1944

Station.....COIMBATORE....., Dated the 14th August, 19 47

From (Name) F.W.A. Morris, Esq., I.C.S.,
(Designation) Collector & Special Officer,
District Board,

To The Secretary to the Government of Madras,
EDUCATION & PUBLIC HEALTH Department.

Sir,

h10 infra Ref: Letter No.102-M dated 11-1-47 from the Divisional Engineer, Highways, Coimbatore.

9 In accordance with the instructions in G.O.No.506 Edn., and P.H., dated 2-4-1945, the plans and estimates approved by the Divisional Engineer for the construction of school buildings are sent to the Director of Public Instruction, Madras for his administrative approval. The Director of Public Instruction, Madras obtains the remarks of the consulting Architect to Government for the plans & estimates. The Divisional Engineer, Highways, Coimbatore, in his letter No.102.M dated 11-1-47 (copy enclosed), expresses that such a procedure of consulting the Government Architect would lead to overlap of functions, unnecessary correspondence and consequent delays. A copy of the letter Roc.No.8554-g-2/46 dated 20-11-1946 of the Director of Public Instruction, Madras with the remarks of the consulting Architect is also enclosed for reference.

I request that Government may issue necessary instructions in the matter.

SGK/5-2. 24/9.

1/5 For 31/9

E & P. H. Deptt
E.B.,

T.M (By Post)

From

The Asst. Secretary to Govt.
E & P. H. Deptt

To The Deputy D.P.I.

Revision of Plans & estimates
relating to the construction of Board High
Schools by the consulting Architect to
Govt at the instance of the D.P.I.

Ref: my T.M d 25.8.47

Please expedite

reply.

16/9/47

17/9/47

(6)

Copy of letter Rec.No.8554-G2/46 dated 20-11-46 from the Director of Public Instruction, Madras to the Special officer, District Board, Coimbatore.

Sub: Board High school, Dharapuram - Plan and estimate for Rs.7,500/-
Ref: Your Rec.No.5018.B6/44 dated 2-10-1946.
.....

I return herewith the plans and estimate for construction of an additional block of 2 rooms for the Board High school, Dharapuram. Kindly send me fresh plans and estimates revised in the light of the remarks of the consulting Architects to Government U.O.No.997/15-11-46 - copy enclosed herewith.

/True copy/

Copy of remarks of Consulting Architect.

The plans and estimates for the above mentioned work for Rs.7500/- have been examined and the following remarks are noted:-

(1) Site: Two locations are shown in red, marked I and II in the site plan but the estimate provides for only one block of two class rooms for Rs.7,500/- It is presumed that the proposed building (shown in blue print) measuring 50' x 6" x 30'-0" will be located at the site, II, marked in the site plan.

(2) Foundations:- Pressure calculations, in support of the adequacy of the foundations proposed, should have been submitted.

(3) Design:- The number of pupils for whom the additional accommodation is intended has not been reported. The design even though not as per latest type-design C.A.No. 308/1946, appears to be in order. However, detailed structural calculations for the sections proposed for the members of the roof, should have been furnished. A schedule of quantities should also be submitted.

(4) Superstructure:- In plan the thickness of wall is noted as 1'-3" and 1'-6" where as it is noted as 1'-1 1/2" only in the section.

(5) Rate:- Complete data should be furnished in support of the rates adopted.

The plans and estimate may be returned for revision in the light of the above remarks.

/True copy/

sgk/5-9.

20/5/47

3/5 / The K. K. Maswami
FOR SPECIAL OFFICER, STC
District Board, Coimbatore.

P.T.O.

-2-

Copy of letter No.102.M dated 11-1-47 from the Divisional Engineer, Highways, Coimbatore to the President, District Board, Coimbatore.

Sub: Board High school, Dharapuram construction of additional accommodation - Plan and estimate remarks of consulting Architect -

Ref: Your Endorsement No.Roc.5018/B.6/DB/44 dated 19-12-1946

.....

The new block is to be located in site II. Site I marked in the plan is for another block of 4 rooms and this has been since changed. The site I is now scored out.

Pressure calculations in support of the adequacy of the foundations is furnished herewith.

The block provides for only 2 classes of 21'x25' and it does not require saying that one such class is for 40 pupils.

The latest type design C.A.No.308/1946, has not been received in this office. A copy of the same may kindly be obtained and forwarded to me for reference.

Timber calculations were worked out at the time of issuing this type design which was approved by the Director of Public Instruction in his No.6408.C.2.46 dated 1-10-1946 after consulting the C.A. By schedule of quantities the C.A. probably means the detailed estimates sheets which have already been sent to you.

The data sheets were furnished along with the estimate and the consulting architect has nothing to do with it. I would suggest that the Government may be addressed for definite instructions on the points on which designs have to be looked into by the consulting Architect so that overlap of functions, unnecessary correspondence and consequent delays may be avoided. Attention is also invited to the remarks of the C.A. communicated in letter Roc. No.9281-G.2/46 dated 6-11-46 of the Director of Public Instruction dealt with in my No.2496.M dated 6-12-46 with reference to President District Board's Endorsement No.19968/B.6/DB/46 dated 15-11-46 in respect of the estimate for improving the middle school building at Sulur. An estimate for another block of 4 classes at Dharapuram called for by you has been received in this office but further action on that has to wait till this estimate is approved as the design is the same.

FOR SPECIAL OFFICER,
District Board,
Coimbatore.

sgk/5-9.

28/5/47

-3-

Pressure calculations in support of the adequacy of the foundations.

Centre to centre of truss is 12'-0". The maximum weight acts on the cross wall at the point where the purlin is placed.

1. Weight of roof. 1 x 24-0 x 6-87 x 29 lbs.	--4782 lbs.
2. Brick masonry in super structure- -1x1' 1" x 16'-0 x 120	2160
3. -do- in basement. 1x1' x 16' x 120	270
4. Random rubble foundations. 1x2' x 16' x 140	420
5. -do- 1x2' x 16' x 140	525
6. weight of concrete. 1x3' x 2'-0 x 120.	840

Total in area of 1x3 1/2 sq.ft. or 3.5 8997.

Bearing capacity of hard gravelly soil or 1 sq.ft.	8997	2571
	3.5	2240.
		1.1 tons

Hence the foundation is safe.

FOR SPECIAL OFFICER,
District Board,
Coimbatore.

sgk/5-9.

28/5/47

12
R.C. 761. G. 2/147.

POST COPY OF TELEPHONE
MESSAGE.

13
Office of the
Director of Public Instruction,
Madras, dated 29th September 47.



From

The Deputy Director of Public Instruction,
Madras.

To
The Assistant Secretary to Government,
Education and Public Health Department,
M a d r a s.

28881
DL
SUB:- Revision of plans and estimates relating to
the construction of Board High Schools by
the Consulting Architect to Government.

h b ante
REF:- Telephonic Message (Post copy) dated the
19th September 1947 of the Government.

h b ante
h l a
Reply to telephonic message dated 25th August 1947
of the Government was already submitted on 2nd September
1947. A copy of the same is herewith enclosed for ready
reference of the Government.

1/2
Deputy Director of Public Instruction.

KAN. 1/10

P.T.O.

REF:- Government Telephonic message dated 26.9.47
in reply to Director's Endorsement No.761G2/47
dated 5th August 1947 regarding revision of
plans and estimates by the Consulting Architect
to Government.

/True Copy/

Deputy Director of Public Instruction.

⑨
 CN. 31301 B1/17
 in necessary
 Read again S.G. M. Sobchik 2-7-1945
 From the S.G. Dt. Board, Taryde, Re M A230094
 . 46. d 128/1

L. lett. of the D. p. I., R. n. 761-92 / 27 d. 5. 8. 27
 from the S. G. Dt. Board, Coimbra, n. R. o. c
 5018- B. 6. 1944 d 14-8. 1947.

Order No. 2462 Recd d 15.11.67
MS

The Govt ~~do not consider it necessary~~
~~see no need to~~
orders issued in No. 50680u 824498
~~in the G.O. to Govt~~

✓ The S-G Rt Board $\frac{1}{2}$ share
Tanjale $\frac{31 \times 1}{2}$
" DP I $\frac{1000}{2}$
" S-G Rt Board $\frac{31 \times 1}{2} \times 47$
Contribut de
(S-C for stock
share)

H1Cf

From the Special Officer, Dt. Board,

8

Tanjore, Re. No. A2. 30044 / D.B. 46 d 12.4.47

H3-4Cf

Endt. of the D. P. I, Re. No. 761. 92/47 d 5.8.47

H7Cf

From the S.G. Dt. Board, Coimbatore, No. Roe 5

1944 d 14.8.1947

Schools & Local bodies - Buildings -

construction and repairs - plans & estimates

Revision by Consulting Architect to Genl.

9

G. G. No. 506 Ednd 2.4.1945

lays down that administrative approval of the D. P. I should be obtained for all plans and estimates

relating to the construction of school buildings ^{provided a grant in aid is received or not provided in case} ~~provided the repairs~~ do not cost more than Rs 1000/

the case of each school building & involve substantial structural alterations of the building.

The technical scrutiny work of all such plans and estimates received by the D. P. I is attended

H3Cf

to by the Educational Branch in the office of the C. E (Buildings) under the guidance of the

Consulting Architect, to Genl. The Divisional

H2 & 10Cf

Engineers (Highways) Tanjore and Coimbatore have taken objection to the adoption of the present

procedure on the ground that the Consulting Architect is not competent to deal with

technical matters and that the present procedure involves unnecessary correspondence and consequent

delays. Please see H 1-2 & 7-11 Cf. The

Special Officer, Dt. Board, Tanjore requests

H1Cf

that in the interest of proper maintenance of school buildings, the Divisional Engineers

may be permitted to deal with estimates for repairs to buildings not involving structural

alterations without limit of cost and that a reasonably higher limit (Rs 25000 or so) may be

fixed for estimates involving structural alterations.

2/ The D. P. I who has been consulted in the matter has forwarded a copy

H34 of the remarks of the Consulting Architect -

P70

repairs to buildings
such sanction is not
necessary if the works

A 30 J

h4c)

h3cf

643-98

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1280 H-520

31301B, 1/27-4

622227-10-27

30 OCT 1947
85674

$$\frac{h}{1.1.7} \quad 5 \frac{h}{2011.12.7}$$

1.11.9 3/11/99 1/4 (Com.)

TSA

(14.11.4)