Public Works (1896) Department.

G.O., No. 3645 W.

DATED 19th December

[Despatch Abstract.]

Gas fittings: Approving the recommendation of the Chief Engineer with regard to the Supply of the — and furniture required for the Laboratory of the Presy: College & for the Workshops of the College of Engineering and directing the Govt: architect to arrange for the early completion of the Laboratory.

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[P.W. 33 (500-23-10-96.)]

INDEXED

BACK PAPERS.

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

FURTHER PAPERS.

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

BUILDINGS AND ROADS.
CIVIL WORKS.

Government {1896} of Madras.

PUBLIC WORKS.

Recd. } 1896. *Enclosures*

Regd. *Spare copies*

G.O., No. 3645 W., 19th December 1896.

DECEMBER.

Gas Fittings

Approving the recommendation of the Chief Engineer with regard to the supply of the — and furniture required for the laboratory of the Presidency College and for the workshops of the College of Engineering, and directing the Consulting Architect to arrange for the early completion of the laboratory.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following paper :—

G.O., No. 726, Educational, dated 20th November 1896.

Read—the following letter from the Director of Public Instruction, dated 2nd October 1896, No. 10787 :—

I have the honour to submit, for the early approval and sanction of Government, plans and estimates for fittings in the Physical Laboratory and class room at the Presidency College, prepared by Mr. Mansfield of the firm of Messrs. P. Orr & Sons. Mr. Mansfield fitted up the laboratories of the Presidency College, Calcutta, and I know of no one else in this country who can undertake the work of this special character.

The Consulting Architect, who has scrutinized the plans and estimates, thinks that the total cost, Rs. 16,500, is reasonable (*vide* copy of his letter No. 3161, dated 16th September 1896, enclosed). As the old laboratory has now been dismantled, the speedy execution of the work is necessary for efficient instruction. I have the honour to request that very early sanction may be accorded for the work being taken in hand at once and that the Public Works Department may be instructed to place Rs. 10,000 at the disposal of Mr. Mansfield out of the "Reserve," or other savings in the current year's budget for immediate expenditure. A provision of Rs. 6,500 may, as recommended in the list of educational works to be included in the Public Works Department budget for 1897-98, be made in the next Public Works Department budget on this account.

Order—No. 726, Educational, dated 20th November 1896.

The plans and the net estimate submitted are approved and will be transferred to the Public Works Department for the necessary action.

(True Extract.)

(Signed) W. FRANCIS,
for Chief Secretary.

Note by the Chief Engineer, Public Works Department.

An estimate of Rs. 25,510 for providing the Chemical Laboratory of the Presidency College with furniture, fittings and gas apparatus was received with the Proceedings in the Educational Department, No. 497, dated 10th July 1894. As this estimate contained a lump sum provision for fittings and furniture without detailed plans and specifications, it was returned to the Consulting Architect for the submission of the necessary details—*vide* memo. No. 4149 C., dated 23rd December 1895.

2. A revised estimate of Rs. 28,237 for constructing gas works for the Chemical, Physical and Biological Laboratories of the Presidency College and the workshops attached to the College of Engineering and for providing fittings and furniture for the Chemical Laboratory of the former building was next received. This estimate also containtd a lump sum provision of Rs. 13,500 for gas apparatus, and the rates allowed for items comprising the furniture estimated to cost Rs. 3,782 were found excessive. The estimate was, however, sanctioned subject to the condition that the gas fittings should be obtained through the India Office and that the furniture should be made at the Public Works Workshops, Madras, and paid for at the usual workshop rates—*vide* G.O., No. 2795 W., dated 29th September 1896.

3. Messrs. Orr & Sons now submit the detailed plans and specifications called for in memo. No. 4149 C., dated 23rd December 1895. Detailed drawings are given of the various articles of furniture to be supplied, but very little information is given about the gas engines, &c. The company, however, tenders to supply both the gas fittings and the furniture for a lump sum of Rs. 16,500 against the provision of Rs. 17,282 (13,500 + 3,782) in the revised estimate.

4. The Consulting Architect reports that he has scrutinized the drawings and considers that the tender of Rs. 16,500 is reasonable, as compared with the actual cost of furniture and fittings recently made for the Chemical Laboratory. The Director of Public Instruction states that Mr. Mansfield of the firm of Messrs. Orr & Sons fitted up the laboratories of the Presidency College, Calcutta, and that he knows of no one else in this country who can undertake the work of this special character.

5. As Messrs. Orr & Sons' estimate appears reasonable, it is recommended that the order requiring the fittings to be obtained through the Secretary of State and the furniture from the Public Works Workshops be cancelled and that Messrs. Orr & Sons be permitted to supply both for the sum tendered for, viz., Rs. 16,500.

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
12th December 1896. Chief Engineer.

Order—No. 3645 W., dated 19th December 1896.

The recommendation made in the concluding paragraph of the Chief Engineer's note recorded above is approved.

2. The old laboratory having been dismantled, it is necessary for efficient instruction to have the work completed as early as possible. The Consulting Architect will arrange accordingly.

3. There is a grant of Rs. 15,510 for the work in the current official year, and this will, if necessary, be augmented on application.

(True Extract.)

Under Secretary to Government.

To the Consulting Architect to Government, with 18 enclosures.
„ Examiner, Public Works Accounts.
„ Educational Department.

Exd. Md. Pahilvan.

Public Works Department.

No. 3645 W/ 19-12-96.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following

G. O. No. 726, Educational, dated 20th November 1896.
Note by the Chief Engineer, P. W. Dept, dated 12th Dec. 1896.

The recommendation made in the concluding para of the Chief Engineer's note recorded above is approved.

2. The old laboratory having been dismantled, it is necessary for efficient instruction to have the work completed as early as possible. The Consulting Architect will arrange accordingly.

3. There is a grant of Rs 15,510 for the work in the current official year, and this will, if necessary, be augmented on application

The C. A. to Govt with 18 enclosures
" Encl. P. W. Sects
" Educational Deptt

[P. W. 40. / 50 — 2-9-96.]

P. W. Department.
C. No. 10781.

2P

Note by the Chief Engineer,
P. W. Department.

An estimate of Rs 25,510 for providing the Chemical Laboratory of the Presidency College, with furniture, fittings and gas apparatus was received with the Proceedings in the Educational Department No 497 dated 10th July 1894. As this estimate contained a lump sum provision for fittings and furniture without detailed plans and specifications, it was returned to the Consulting Architect for the submission of the necessary details, vide Memo No. 4149 C dated 23rd December 1895.

2. A revised estimate of Rs 28,237 for constructing gas works for the Chemical, Physical and Biological Laboratories of the Presidency College and the Workshops

H.E. 14/12 R 18/12.

Workshops attached to the College of Engineering and for providing fittings and furniture for the Chemical Laboratory of the Forrest building was next received. This estimate also contained a lump sum provision of Rs 13,500 for gas apparatus, and the rates allowed for items comprising the furniture estimated to cost Rs 3,782 were found excessive. The estimate was however sanctioned subject to the condition that the gas fittings should be obtained through the India office and that the furniture should be made at the P. W. Workshops, Madras, and paid for at the usual workshop rates, vide G. 6. No 2795 W dated 29th Septr. 1896.

3. Messrs Orr & Sons now submit the detailed plans and specifications called for in Memo No 4149 C dated 23rd December 1895. Detailed drawings are given of the various articles of furniture to be supplied but

but very little information is given about the gas engines &c. The Company however tenders to supply both the gas fittings and the furniture for a lump sum of Rs 16,500 against the provision of Rs 17282 (13,500+3,782) in the revised estimate.

4. The Consulting Architect reports that he has scrutinised the drawings and considers that the tender of Rs 16,500 is reasonable as compared with the actual cost of furniture and fittings recently made for the Chemical Laboratory. The Director of Public Instruction states that Mr Mansfield of the firm of Messrs. Orr and Sons fitted up the laboratories of the Presidency College, Calcutta, and that he knows of no one else in this country who can undertake the work of this special character.

5. As Messrs. Orr and Sons estimate appears reasonable, it is recommended that the order requiring the fittings to be obtained through the Secretary

Secretary of State and the
Co furniture from the P.W.
for Workshops be cancelled
fr and that Messrs. Orr &
La Sons be permitted to supply
bu both for the sum tendered
Th for, viz Rs 16,500.

12/12/96

EW

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3.6450

Public Works Department.

Current No. 10781.

Letter No 726

Dated 20th November 1896

From the Educational Department.

NOTE BY TECHNICAL SECTION.

Name of work Constructing Gas Works for the Chemical, Physical & Biological Laboratories of the Presidency College and Workshops attached to the College of Engineering, and providing fittings and furniture for the Chemical Laboratory of the former Building at Chepauk.

Amount of Estimate Rs 28.237.

The original Estimate for this work amounting to Rs 25,570 was submitted under Dr. No 1497 dated 10 July 1894 from Educational Dept.

This Estimate was not sanctioned, and in G.E.'s No 4149.C. dy. 23rd Nov the Consulting Architect was asked to submit detailed plans and specifications for the dumb sum provisions made in it for the furniture and fittings

Under Educational Dept. No 1801 dated 8 Sept 1896 a revised Estimate amounting to Rs 28,23, was submitted, but without the detailed plans and specifications as above called for

60—200—18-12-95.

May

This revised Estimate was sanctioned under G.O. 2795.W. dated 29 Sept 1896 with remarks. A lump sum of Rs 13,500 ~~for~~ for Steam Generator and Conductor with necessary connections for steam boiler and gas works, was accepted on condition that these fittings should be obtained through the India Office. A considerable saving was anticipated by adopting this course.

It was also ordered that the furniture should be made in the workshops, and paid for at the usual workshop rates.

In the meantime Messrs Orr & Sons had submitted on the 12 August. the detailed plans and Specifications called for in C.E's No 4149 / 23 Dec '95. Detailed drawings are given of the various articles of furniture to be supplied, but very little information is given about the gas engines etc: no details of ~~are~~ are given but Messrs Orr & Sons offer to supply the lot for a L.S. Rs 16,500.

The Consulting Architect reports that he has scrutinized the drawings and considers that the tender Rs 16,500 is reasonable, as compared with actual cost of furniture fittings recently made for the Chemical Laboratory.

The plans and net Estimate are approved by the Educational Dept.

This refers entirely to another work.

CH BS
9-1-97

In the estimate for Rs 28,237 sanctioned in G.O. 2795 W. dated 29 Sept. 1896 of Rs 13,500 (returns of contingencies) a lump sum for steam generator & conductor with necessary connections for steam boiler & gas works, was sanctioned on condition that the required articles be got through the Secretary of State. Also a sum of Rs 3,782 for for furniture & fittings. This it was proposed should be got from the P.W. workshops.

Messrs P. Orr & Sons now submit an estimate for Rs 16,500 for both the above works.

The Director of Public Instruction recommends that this offer be accepted as Mr Mansfield for whom Messrs P. Orr & Sons are agents fitted up the Physical laboratory & Class Room at Calcutta. He directly says that the old laboratory has been dismantled & it is necessary to erect the new one as soon as possible

Messrs P. Orr & Sons estimate appears reasonable & it seems desirable to accept the tender to get the necessary fittings & through the Secty of State & furniture from P.W. workshops.

From the papers on the file I cannot say whether all the necessary articles have been asked by Messrs P. Orr & Sons but as the Director of Public Instruction has signed the plans I presume they have.

S.D.I
11.12.96.

It is not within the province of the Director of Public Instruction to advise the P.W.D as to the agency by which work shall be executed.

CH BS
9.1.97.

in its order No 726 dated 20th Nov. 1896

This Order apparently ignores the Suggestions made in G.O. ~~No. 2795~~ 2795. sanctioning the Estimate with regard to the manufacture of the furniture in the P.W.D workshops. and it now appears necessary to consider, whether, having regard to the Special character of the work, the sanctioning order should be revised, and the work given to Messrs Orr & Son, as agents for Mr Mansfield, who makes a Speciality of this kind of work.

DWL
10.xii.96

No. The Rs 16500 Estimate is for a different work.
C.E. MS.
9-1-97.

I think the fittings & Furniture may be got through Messrs Orr & Sons as they are in the habit of doing

11/12/96

Public Works (1896) Department

CURRENT No. 10781

Order

From

The Educational Dept

No. 726.

Dated 20th November 1896

Received 27 — " —

Enclosures 19 (2 plans & 14 Tracings)

Spare copies

SUBJECT.

Approving the plans and the estimate for fittings in the Physical Laboratory and Class room at the Presidency College.

I/ for sanctioning

III/ pw

m/

[G. 53]
3,000—3-7-96.

BACK PAPERS.

G.O.	No.	Department.	Date.
S.O.	2795W	P.W.	29-9-96 ✓
Memo	3232C	"	1-9-96 ✓
"	1648C	"	24-3-96 ✓
S.O.	917W	"	14-3-96 ✓
Memo	938C	"	17-2-96 ✓
"	674C	"	7-2-96 ✓
"	218C	"	15-1-96 ✓
"	4149C	"	23-12-95 ✓
"	2494C	"	12-8-95 ✓

FURTHER PAPERS.

G.O.	No.	Department.	Date.

...nal *Department.*

CHIEF SECRETARIAT MADRAS.

Q

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following paper :—

From the Director of Public Instruction, No 10787, dated 2nd October 1896:-

I have the honour to submit for the early approval and sanction of Government plans and estimates for fittings in the Physical Laboratory and class room at the Presidency College, prepared by Mr. Mansfield of the firm of Messrs. P. Orr & Sons. Mr Mansfield fitted up the laboratories of the Presidency College, Calcutta; and I know of no one else in this country who can undertake the work of this special character. The Consulting Architect, who has scrutinized the plans and estimates, thinks that the total cost, Rs. 16,500, is reasonable (vide copy of his letter No. 3161 dated 16th September 1896 enclosed). As the old Laboratory has now been dismantled the speedy execution of the work is necessary for efficient instruction. I have the honour to request that very early sanction may be accorded for the work being taken in hand at once and that the Public Works Department may be instructed to place Rs 10,000 at the disposal of Mr. Mansfield out of the "Reserve", or other savings in the current year's budget for immediate expenditure. A provision of Rs. 6500 may, as recommended in the list of educational works to be included in the Public Works Department budget for 1897-98, be made in the next Public Works Department budget on this account.

:::::

O R D E R

ORDER :-No 726 dated 20th November 1896.

The plans and the net estimate submitted are approved and will be transferred to the Public Works Department for the necessary action.

(True Extract)

Francis

for Chief Secretary.

To

The Public Works Department(with plans and estimate) ✓
--- Director of Public Instruction