

Education and Public Health

(1947) Department.

Ms. SERIES.

G.O. NO. 572 Education.

Dated 21-3-1947.

[Despatch Abstract.]

College-Arthur Hope College of Technology, Coimbatore-Purchase of machine tools and other equipment-sanctioned.

Back Papers.

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

Further Papers.

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

Doc. No. 867 AS/46.

Office of the Director of Public Instruction, Madras, dated 24-2-47.

From

Dr. S. R. U. Savor, M.A., D.Sc., I.E.S.
Director of Public Instruction, Madras.

To

The Secretary to Government,
Education & Public Health Department, Madras.



Sub: College - Arthur Hope College of Technology, Coimbatore -
purchase of machine tools and other equipment.

I request the sanction of Govt. to an expenditure not exceeding Rs. 21,600/- (Rupees Twenty One Thousand and Six Hundred) only in 1947-48 on the purchase of machine tools and electrical equipment required for the Arthur Hope College of Technology, Coimbatore.

2. Details for the amount are given below:

(i) Machine tools from Alfred Herbert and Machine Tool (India) Ltd	Rs. 18,044
(ii) Electrical equipment from Messrs. The Scientific Instrument Co., Ltd.	.. 2,900
(iii) Incidental charges (Rs. 456 plus 160)	.. 616
Total	Rs. 21,600

I submit herewith copies of the Principal's letters R.C. 13 G/47, dated 20-2-47 and R.C. 38-2 G/47, dated 10-2-47 which furnish particulars of the machine tools and the electrical equipment required.

The expenditure will be incurred in 1947-48 and met from the provision to be allotted to the college for that year. The Principal has already placed orders for the machine tools and requests permission to place orders now for the electrical equipment. In the circumstances explained, the action of the Principal in having placed orders for the machine tools in anticipation of the sanction of Govt. may kindly be approved and permission may also be granted to place orders in advance in the current year for the electrical equipment.

TRE.26/2

for Director of Public Instruction.

P.T.O.

The following apparatus are essential for Electrical Engineering Laboratory works during 1947-48. Quotations have been obtained for these from Messrs. The Scientific Instrument Co., Ltd., and the time of delivery is 24/26 weeks. As the articles are required here early in September 1947 at the latest, permission may be granted to place orders for the same during this financial year itself. The cost of the articles will be met from next year's financial provision;

ITEM.	DESCRIPTION.	QUANTITY REQD.	COST.
1.	zenith carbon plate type resistance, comprising of two substantial iron castings connected together by steel rods, over which are threaded heat resisting insulating tubes. Adjustments to be effected by means of strong fine pitch hand screw. Current should be led into the Resistance by means of substantial copper plates, to which are attached terminal, amply large for the purpose. The Resistance should be finished in black stoving Enamel, the bright parts being heavily nickel-plated, size of plates 5 1/2" x 3 1/2" x 3/8" No. of plates 24; watts dissipated 450; minimum ohms. 0.017 maximum ohms 0.18; size 15"x5"x5 1/2"	6 nos.	542 4 0
2.	Spare carbon plates - 5 1/2" x 3 1/2" x 3/8"	2 doz.	2 8 0
3.	Lamp tube and scale table pattern, with lamp tube for 12 volt projector lamp. Scale 50 cms. long with end zero and central zero. Mounted with universal clamp in tripod stand. Complete with lamp holder and lamp. Pye & Co., Catalogue No.8102	4 nos.	742 0 0
4.	Spare bulb for lamp tubes 12v.24 W Pye & Co Catalogue No.8104 C.	1 doz.	9 6 0
5.	Transformer, rated 100 watts and suitable for use with lamp tubes upto five in number Pye & Co., Catalogue No.8104 B.	2 Nos.	200 0 0
6.	Shunt, Ayrton-Mather Universal. The ~~wark~~ stock winding to have shunt powers of 1000, 500, 200, 100, 50, 20, 10, 5, 2 and 1. The total resistance to be 10,000 Ohms and the shunt is arranged with positions in which the Galvanometer is "shorted" and "OFF" constant coils, PYE & Co., Catalogue No.8207	2 Nos.	190 0 0
7.	Combined Lantern and scale fitted for Osram Projection type of lamp. Gambrell Bros, Catalogue No.1010	4 Nos.	408 0 0
8.	Tubular lamp suitable for use on any normal lighting circuit. Gambrell No.1029 (220/230 Volts) for above	1 doz.	6 0 0
9.	Moving Coil reflecting Galvanometer. The case to be lacquered brass, mounted on three ebonite pillars ensuring very high insulation, and fitted with an external zero corrector and an automatic clamp which locks the movement directly the instrument is lifted	1 doz.	504 0 0
10.	Pointer Galvanometer, moving Coil, fitted with reflecting mirror for use with lamp and scale, in a polished teak case and fitted with an automatic clamp which operates when the instrument is lifted. Resistance of Coil 100 ohms. Gambrell's catalogue No.8120	2 Nos.	336 0 0
	Freight etc.		160 0 0
			Rs100 0 0

Copy of R.O. No. 13-C/47, dated 20-2-47 from the Principal, Arthur Hope College of Technology.

"A detailed list of the Machine Tools indented for is given below:

(1) "Stanly" 7" x 6'-0" Gap Bed SS & SC lathe with all geared headstock arranged for belt drive from single pulley through all geared head, spindle mounted on tinker bearings according to specification as per your quotation and with the following accessories mentioned in your quotation list:

1. Square Turret in place of standard tool post
2. 3 Jaw Bed steady
3. 20" diameter face plate
4. Taper turning attachments
5. Wheels to cut metric threads
6. 12" four Jaw Independent chuck
7. 12" x 12" x 12" 3 Jaw self-centering chuck
8. Electric equipment including 3 H.P. Motor.- enclosed in cabinet, leg into guards and V Belts filled and wired up. straight on line starter push button - operator 440 V - 3 phase / 50 Cycles
9. Electric pump
10. Extra to reverse to motor
11. A.C. 2/4 H.P. Motor to give 16 spindle speeds
12. Back plates fitted
13. Ball bearing centre for loose head
14. No. 3 Ball bearing centre

(2) 6" centre 6' No. 1 SS & SC Bed Lathe arranged for motor drive; suitable for operation of 400/440 volts, 3 phase, 50 cycles A.C. Supply

(3) 12" x 2" 'Herbert India' combined wet and dry tool grinder with self-contained motor drive, and of improved design incorporating built in motor drive with box form cabinet and twist drill grinding attachment

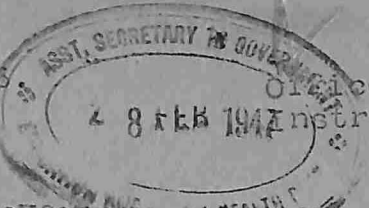
Freight etc.	Total	18044	0	0
		456	0	0
		18500	0	0

True copy.

[Signature]
for Director of Public Instruction

[Signature]

Roc. No. 867 A2/46



Office of the Director of Public Instruction, Madras, dated 24-2-47.

From

Dr. S. R. U. Savoor, M.A., B.L., I.L.S.,
Director of Public Instruction, Madras.

To

The Secretary to Government,
Education & Public Health Department, Madras.

Sir,

Sub: College, Arthur Hope College of Technology, Coimbatore - purchase of equipment for the electrical engineering laboratory.

16497

I request the sanction of Government to an expenditure not exceeding Rs. 5,100/- (Rupees Five Thousand One Hundred) only in the current year on the purchase of the equipment required for the electrical Engineering laboratory of the Arthur Hope College of Technology, Coimbatore.

2. Details of the equipment required ^{are} given below:-

(i) One Brown Boveri Oil Testing Machine
(from Messrs. Jwala Singh & Sons, Madras) Rs. 4,350/-

(ii) "Logg" Battery charges equipment. Ac 230 volts 50 cycles: No. D. 18/10-36 volts 10 Amps- output - capable of charging six batteries of 6 volts each or 3 batteries of 12 volts each at a time (from Modi & Modi, Coimbatore) 660/-

(iii) Freight etc. charges (No. 1) 90/-

Total Rs. 5,100/-

As the above items of equipment are urgently needed for laboratory use and are likely to be sold out, the Principal has placed the orders for their supply in anticipation of the sanction of Government. In these circumstances, I request the Govt. to approve the action taken by the Principal.

B/ The expenditure can be met from the provision allotted to the college for the current year.

TRB. 26/2

[Signature]
for Director of Public Instruction

[Signature]

31/11/37

College - A.H. College of Technology, Coimbatore -
Purchase of machine tools and other equipment -
Sanctioned

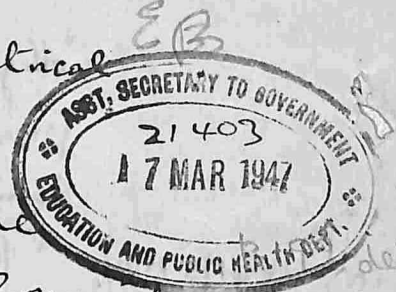
C.N. 16495 A/M, From the DPI L.N. 867 A2/46 d 24-2-47
C.O. No. 572 Edn d 21-3-47

The Court sanction the following exps on the purchase of machine tools and other Electrical equipment required for the A.H. College of Technology, Coimbatore.

Item of exps.	Amount Rs	Financial Academic year in which the exps is to be incurred
p1 cf (1) Machine Tools	18,044	1947-48
(2) Electrical equipment	2,940	
(3) Incidental charges	616	
Total 21,600		(Rupees Twenty one thousand and six hundred only)
p5 cf (4) ~~Equipment required~~ ~~Electrical equipment~~ for the Electrical Eng. Laboratory	5,100	1946-47. (Rupees Five thousand and one hundred only)

They also approve the action of the Principal in having placed orders for the purchase of the stores mentioned in items (1) and (4) above in anticipation of the sanction of the Court. The Principal is now permitted to place orders in advance in the

Current year for the purchase of the electrical equipment mentioned in item (2).



2. The exp. should be debited to "37d. Edu - University - Govt. Professional Colleges - E. Post War Reconstruction - (1) A-H. College of Technology, Coimbatore - 4. other charges - Apparatus and Materials - Voted".

Budget, 1946-47
B.E. 1946-47 4,05,000
R.E. 1946-47 3,00,000
B.E. 1947-48 6,07,700

ES
7/3/47
7/8/47

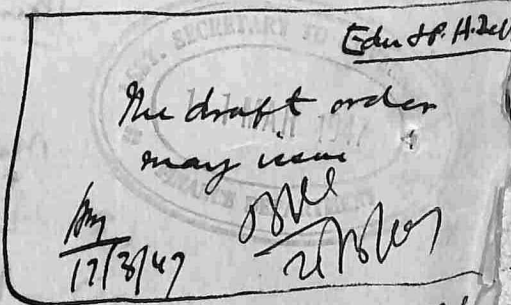
OSM
8/3/47

ascertained from
to B.E. section
the DPI
AG thro Fin.
15022 EB

Note Finance v/o for acceptance.

ES
7/3/47
7/8/47

OSM
8/3/47



Edu v.o 16495 A/4

Finance (Exp. B)

The draft order may be accepted. (The proposal need not be treated either as a 'new service' or as a 'new scheme' as the equipment is required for the normal working of the college and as the expenditure will be met from the provision already made in the Budget -

15/3/47
cf. X on PA. 1 and 3
of the extractal
(Remove)

Vide A on p. 1 c.f. and B on p. 5 c.f.)

Sy. Secy
14/3/47 14/3/47

15/3/47

15/3

EPH
E-PH

Fin. no. 15022 EB-1