Sectt. II-27—58,004—27-10-47.

(T)

EPH (1948) Department.

MS SERIES.

G.O. NO. 1057 Edu

Dated 30-4-48

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p 2306-47
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(17)

[Despatch Abstract.]

Museum - Govt - Broadcasting - Installation of Public Address systems - Deferred

Back Papers.

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

Further Papers.

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

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(2)

F. 82.

.........Department

From (Name) Sri A. Aiyappan, M.A., Ph.D.,

Designation Superintendent,
Government Museum,
Station Madras, 8.

ASSISTANT SECRETARY
7 - FEB 1947

Received .... Registered ....

To

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

Enclosures: N/1-3

10/22

No. 2164-2/46 dated 6th February 1947.

Sir,

Sub: Broadcasting - Provincial - Government Museum - Madras - Installation of Public Address System.

In order that the Museum might serve its purpose usefully, the needs of the large number of illiterate and semi-literate members of the public who resort to the Museum have to be attended to satisfactorily. Facilities are lacking at present to make them understand the significance of the various exhibits. The study of the problem of the illiterate visitor is one of the first requirements of the Indian Museums movement as rightly observed by the Museums Commission. The Commission which visited this Museum in 1936 have dealt with this aspect of the question which while offering their remarks on the work of this Museum. Please see our Administration Report for 1936-37 (first page). The relevant extract is reproduced below:-

N17(E)

> "In discussing the problem of how to deal with illiterates, the report speaks of the Madras Museum in these terms:-
>
> "At Madras on the occasion of one of the great feasts no less than 130,000 people trooped through the Museum in one day - an orderly, happy crowd which a piece of string stretched across a passage could divert and restrain. And although the interior of the Museum was packed and produced the inevitable accompaniment of fingered glass, betel-nut spit and dirty marks on the walls, one realised that this was one of the surest ways of interpreting the outside world to the masses of India. In this way and perhaps in this way alone can the illiterate visitor be given any conception of the world beyond his village or its nearest large town. [His mental horizon cannot be expanded through the medium of books because of his ~~poverty~~ illiteracy, or even through the cinema because of his poverty, but the museum skilfully parades before him the accumulated treasures of a Province; though the interpretation of it is left to his native wit. We feel that one of the first requirements of the Indian Museums movement is the sympathetic study of the problem of the illiterate visitor".]

A

I consulted the Radio Engineer on the subject of loud speaker arrangements for conducted tours of the galleries of this Museum for such visitors. He has

Re 7/2

suggested

uggested that the installation of amplifiers and loud
speakers in the Museum halls would serve the purpose
very well. Detailed suggestions and the method of play-
ing selected records are given in his letter D.O.4340
dated 17th June 1946 (copy enclosed). With the equip-
ment lent by the Provincial Radio Engineer , an experi-
ment was conducted recently with the set of installation
operated by the Radio Engineer's staff , and a gramophone
record of certain important zoological exhibits prepared
by the Director of All India Radio was played to batches
of visitors. The experiment proved successful as many
visitors evinced keen interest to learn the exhibits by
this method. The Radio Engineer has made final recommend-
ation in his letter No.5250 dated 15th July 1946 (copy
enclosed together with the enclosure thereto) and has
furnished therein an estimate of cost amounting to Rs.1280/-
towards the equipment necessary for carrying out a trial
installation. He has asked me to obtain the sanction of
Government for incurring the expenditure.

p3 infra

pp3-5 infra

p5 infra

2 In view of the importance of the scheme I have the
honour to request that Government will be pleased to
accord their approval thereto and to sanction the incurring
of an initial expenditure of Rs.1280/- (Rs. One thousand
two hundred and eighty only). The expenditure has to be
debited to our Budget head "36 a Scientific Departments-
a.A.3. Other Charges - Authorised - Apparatus and Materials".
I am including this item of expenditure in the re-appro-
priation statement for additional allotment along with
other items of expenditure to be submitted to Government
shortly.

p5 infra

omitted from Reappropriation stat.

3 As the amplifier will be assembled in the Radio
Engineer's laboratory, the Chief Engineer , P.W.D.,
General , Buildings and Defence may kindly be instructed
to accord his permission for carrying out the installation
by the Radio Engineer's Department.

4 As regards the supply of the records the Gramophone
Co.,Ltd., Madras are in a position to prepare and supply
them according to our needs. They quote a recording fee
of Rs.87/- per side - sigle sided 12 copies supplied free
and further copies at Rs.2/- each. After gaining some
experience in this scheme based on its popularity with the
visitors I propose to add records of selected exhibits in
each section by placing orders with this Company according
as our funds permit out of our contingent grant. I have
accordingly the honour to request that Government will be
pleased to authorise me to incur expenditure on purchasing
records from time to time as may be found necessary, without
money limit, subject to Budget provision.

Early orders are requested.

I have the honour to be,
Sir,
Your most obedient servant,
A. Aiyappan 6.2.47
Superintendent.

Encl.

Encl.1.

(Copy)

Office of the Radio Engineer,
Provincial Broadcasting,
Kilpauk,Madras, 17-6-1946.

D.O. No.4340

Dear Dr. Aiyappan,

With reference to ~~xxxx~~ my inspection of your
museum with you and my Offg. Radio Engineer, on 7-6-46 , I have the
following suggestions to offer in the matter of the provision of
amplifiers and loudspeaker equipment in the museum halls. This
equipment is ~~x~~ intended to help the attender on the spot to serve
the large number of illiterate and semi-literate members of public
who go through the museum without having the facility to ~~approve~~
appreciate the significance of the various exhibits on the history,
art and culture of this country to which most of the exhibits belong

2. I consider that such facilities as above,
may be provided for the public on certain days in a week , and for
specifici number of hours on those days. The public may be
informed that on those days there will be a 'conducted tour' through
the Museum when they will be given short and interesting explanations
on the various interesting exhibits in the museum. These tours may
be conducted under the immediate supervision of a subordinate of
suitable qualifications.

3. Important exhibits in each section may be
selected for this purpose, in the beginning, so that each batch may
complete the inspection of the exhibits in each section, within
the specified period. The batches may be allowed at intervals of
10 or 15 minutes with strength limited to that which can be con-
veniently handled and in which every one will have a clear view of
the exhibits without over-crowding.

4. It is desirable that the short explanations
of the exhibits are recorded previously, to suit the time limit set
for each section of the museum at the same time containing the
important information. The records need only be in Telugu, Tamil &
Malayalam and the batches of visitors may be divided into those
linguistic groups for being conducted through the museum. The above
scheme may require one amplifier and a record-player, with
microphone for each section of the museum, to obtain best results,
from such conducted tours. A single recording unit, either disc
type or magnetic steel-wire recorder type will be required for pre-
paring new or replacement records whenever necessary.

5. The main difficulty will be regarding the
location of the loudspeakers in each section so that the groups of
visitors moving from exhibit to exhibit may be served by them
equally well at all places. The playing of the records is to be
controlled by the attender following the visitors and suitable
arrangements will have to be made for this purpose. It is desirable
to conduct an experimental installation in some of the sections of
the Museum to see how the various halls in the museum can be adopted
for such installation. I shall arrange for such test installation
using a portable amplifier on a day suitable to you and give you
detailed estimates after considering the results of such test.

Yours sincerely,

(sd) ---

Encl.2.

Provincial Broadcasting Department.

From The Radio Engineer Madras to the Superintendent,
Government Museum No.5250 dated 15-7-46.

Sub: Broadcasting- Provincial -Govt.Museum,Madras-Instal-
lation of public address system.

--

(P.T

I forward herewith a copy of the report of my Asst.Radio Engineer in regard to the proposed installation of Public Address System in the Govt.Museum and request that the sanction of Govt. may be obtained for incurring the expenditure as per estimate (approximate) attached to the report.

On receipt of sanction of Govt. the Chief Engineer, P.W.D. General Buildings and Defence, Madras, may please be addressed to accord his permission for carrying out the installation by this department.

**

Copy of report from the Asst.Radio Engineer,Central, Madras to the Radio Engineer,Madras.

Sub: Broadcasting -Provincial-Govt.Museum-Egmore-
Installation of Amplifier and Loud speakers-

--

Ref.: Radio Engineer's letter No.D.4581 dated 24-6-46.

As per instructions in Radio Engineer's memo read above, test installation of loudspeakers was made in the first four halls of the Museum covering Stone Sculptures of Archaeological Section of the Museum. I make the following recommendations after consulting the Superintendent of the Museum

Loud speakers may be installed to start with, in these four halls along with one amplifier and a Microphone. The amplifier need give 10-15 watts. Output, while being used with a Velocity Microphone (output level about - 65 db at 6 new zero level) and capable of being operated off either 6 volt battery or 250 volt AC Mains. The Museum buildings are not provided with Electric supply at present and the Amplifier may be worked by batteries in the beginning. The batteries may be got charged in this department paying the usual charges. It is understood that shortly the Museum buildings will be electrified and AC power will then be available, as a special case, even though the buildings are situated in a D.C. locality. This amplifier will then be capable of working off AC mains. After conducting the necessary tests, the Superintendent of the Museum agreed to try the installation in these four halls to start with before extending it to other section of the Museum.

It was also considered that the amplifier may be located in the gallery of the main section (Figure (1) enclosed herewith) The descriptions of the various selected exhibits will be written down restricting the matter, so that they may be read at proper speed within the specified period by the announcer at the Microphone. The announcer would read out the descriptions giving predetermined intervals in between, so that the batches of visitors may be conducted to the respective exhibits within those intervals by the conductor. Every fortnight different sets of exhibits will be covered during these conducted tours and it was considered that with experience, the timings of the tours can be properly arranged and co-ordination between the Conductor and the announcer would be sufficient for this small scale experiment) for judging the success of this experiment after conducting a no of such tours.

Each tour will be supervised by the Assistant in charge of the section in the Museum, who will watch for the reaction of the Visitors to this type of tour. If these prove popular and useful for the illiterate visitors, who form the bulk of the visitors, the amplifier system can be improved and extended on the following lines.

1. To use records for announcing to the visitors instead of as announcer.
2. To use small inexpensive amplifier for each section of the Museum, so that, more batches of visitors may pass through the section at closer intervals.

---

3) To use a central recording machine for preparing the necess records whose no. may be several hundreds when the schem comes into full operation.

The scheme can be extended by stages, if found successful to all the sections of the Museum. It is considered that there is great scope and possibility to make this system interesting and useful to the visitors. A list of materials required for the experimental installation is enclosed herewith.

---- --

List of equipment necessary for carrying out the experimental installation of Amplifier ~~xsxassembledxby~~ system, Government Museum.

A It may be cheaper if the amplifier is assembled by this Department either in Radio Engineer's or Asst.Radio Engineer's Laboratory.

B A turn table with spring driven motor will be easily available and lower in cost than one which will have to work off either AC/Mains or 6 volt battery.

1	10-15 watt, AC Mains and 6 Volt Battery operated, audio amplifier..	400- 0- 0.
2.	Turntable and pick up with spring driven Motor and Electrical pick up bed.. ..	200- 0- 0.
3.	One Velocity Microphone with stand.. ..	250- 0- 0.
4.	8" P.M. Loud Speakers - 5 Nos @ 30/-each.. ..	150- 0- 0.
5.	Wooden cabinet type baffles of suitable type @ Rs.15/-each.. 5 Nos.. ..	75- 0- 0.
6.	1/18 V.I.R.Wire 400 yds @ Rs.15/- per coil..	60- 0- 0.
7.	Rotary Switch.. ..	5- 0- 0.
8.	6 Volt 100 amphere, capacity Battery -2 Nos ..	120- 0- 0.
9.	Contingencies.. ..	20- 0- 0.
		1280- 0- 0

(True copy)

A. Aiyappan
Superintendent,
Govt. Museum, Madras.

Vr

38/180

Education and P.H.(C.2.)Departm

p1-5 cf

C.No. 10422 From the S.G.M. letter No. 2164-2/46 dated 6-3-47.

Sub: Museum - Installation of Public Address System.

Dp/1/46

Memorandum No. 10422 C2(47)-2 dated 11- -6-1947.

- -

~~The S.G.M. is requested to state whether the persons in charge of the exhibits in the [illegible]eum do not explain the exhibits to the visitors and if they do explain the exhibits in what respects it is found inadequate.~~

para 2 on p2 cf

~~2. The~~ The S.G.M. has stated that the initial expenditure of installation of Amplifier system in the Govt. Museum is ~~reported to be~~ about Rs 1280/- This expenditure is in respect of four halls in the Museum and it is ultimately proposed to extend the system to the entire Museum if it proves successful. An ~~idea~~ estimate of the ultimate cost involved in the proposal ~~may be given~~ should be furnished.

'A'- p. 4 cf

'B' - p4 cf

para 4 - p2 cf

3. Another item of expenditure in the proposal is the ~~ordering~~ purchase of records of selected exhibits from The Gramaphone Co., Limited, Madras. Apart from the information that a recording fee

P.T.O.

Rs ~~6~~7/- per side is quoted by the company, no estimate of the expenditure likely to be incurred on an average per year on this item ~~is~~ has been furnished. On the other hand, the S.G.M. requires sanction to incur expenditure on purchasing records from time to time without money limit subject only to budget provision. ~~Presumably, budget provision for the purpose will be suggested on the basis of intended purchases of records.~~ An approximate estimate of the expenditure per annum ~~involved~~ should be furnished.

Re
10.6.47

10/6/47

11-6-47

Desp
16/6

To the S.G.M.

R1 1.7.47

2nd R 12/9/47

---

(6) 1853
13/7/47

~~S.C~~ 9

C.F. 98. Education & Public Health Department.

REMINDER. Education Branch.

To The Superintendent Government
Museum

~~Have the honour to invite~~

I am directed to invite attention to the Govt Memo
invite

No. 10422 C2/47 - 2 Edn, dated 11.6.47 and

to request that this reminder may be returned at once with information as to

(1) the stage at which the matter nos is,

and (2) the date by which a reply may be expected,

~~(3) the circumstances which have caused the delay~~.

Office Secretariat

Station Fort St. George

Dated 11.7.47

Signature.

K. Krishnaswamy

For Assistant Secretary to Govt

Designation.

Re
9.7.47

SUBJECT.

Broadcasting - Provincial - Govt Museum - Madras - Installation of Public Address System.

10

EDUCATION AND PUBLIC HEALTH DEPT.
15 JUL 1947

57668

No 2164-3/46
15-7-47

REPLY

To The Assistant Secretary to Govt.
Education & Public Health Dept.
Madras.

Sir,

The estimate of the ultimate cost which would involve in extending the Amplifier system to the entire Museum is being prepared in consultation with the ~~Provincial~~ Radio Engineer of the Provincial Broadcasting Dept. It will be submitted to Govt. along with the other particulars called for by 15th August 1947.

A. Aiyappan 15/7
Superintendent
Govt. Museum, Madras

Re
15/7

11

(7)

2442

C.F. 98 Education & Public Health Department
Education Branch
REMINDER
To The Superintendent Govt.
Museum

GOVERNMENT MUSEUM
2421 P.A. Reg.
14 SEP 1947
MADRAS

I ~~have the honour to invite~~ am directed to invite attention to the Govt memo ~~invite~~ No. 10422 C2/47-2 Edu dated 11-6-47. and p 7 ante to request that this reminder may be returned atonce with information to

(1) the stage at which the matter now is,

and (2) the date by which a reply may be expected,

~~and (3) the circumstances which have caused the delay.~~

Office Secretariat
Station Fort St George
Dated 12-9-47.

C.P. [illegible] Chetty
For Assistant Secretary to Govt.
DESIGNATION.

12/9.

SUBJECT.

Broadcasting - Provincial - Govt Museum - Madras - Installation of Public Address system.

17 SEP 1947

No .2164-5/46

Government Museum,
Madras, 16 Septr. 1947.

Reply.

Reference ~~Reminder~~ dated 12-9-1947 on Government Memorandum No.10422 C2/47-2 Edn., dated 11-6 1947.

Sub: Broadcasting Provincial - Govt. Museum- Installation of Public Address system.

--

The Estimate for the whole scheme has been called for from the Radio Engineer, Kilpauk. It will be submitted to Government as soon as a reply is received from him.

A. Aiyappan 16/9/47
Superintendent.
Rvs.

Fort St George,
12-9-47.

Broadcasting - Provincial - Govt Museum Madras - Installation of Public Address system.

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(8)

From
Sri A. Aiyappan, M.A., Ph.D.
Superintendent,
Government Museum,
Madras, 8.

To
The Secretary to Government,
Education and Public Health
Department,
Madras.

OCT 1947

No.2164-5/47 dated 30th Septr.1947.

Sir,

28431

Sub: Government Museum - Broadcasting - Installation of Public Address System - Part II Scheme.

Reference my letter No.2164-2/46 dated 6th February 1947. p1 ante

Government Memorandum No.10422 C2.47-2 Edn., dated 11th June 1947. p7 ante

---

I have the honour to furnish below the ultimate cost involved in the proposal for the installation of Public Address System in the Galleries of the Museum.

Details of expenditure :	Rear Buildings.		Front Buildings.
	Rs.		Rs.
1. The cost for the installation of Magnetic recording instrument and amplifiers and 14 Loud Speakers... ...	4,200/-	..	3,600/-
2. Cost of installation of loud speakers (13 in the rear building and 9 in the front building at the rate of Rs.150/- for each).....	1,950/-	..	1,350/-
	6,150/-	...	4,950/-
	Total 11,100/-		
3. Recurring expenditure for cost of electrical energy, maintenance equipment etc. per year..			240/-
	Grant total Rs.11,340/-		

150
13
1950

The above estimates have been arrived at after consulting the Radio Engineer. A copy of the Radio Engineer's letter with annexures is enclosed. Regarding my proposal to purchase records from the Gramaphone Co., Ltd., the Radio Engineer suggests the installation of a Simplex recording apparatus which will enable us to make the records ourselves. This

p15-18 infra

will

will not only obviate the necessity of purchasing the records but will reduce the annual recurring cost to a very small figure.

As already suggested in my letter referred to above, my intention is to start with the scheme in the rear buildings and to install the recording appratus and five loud speakers in the first five galleries mentioned in Annexure II. This will involve a cost of Rs.~~5190/-~~ 3840/- as detailed below:-

1.	Cost of installation of the recording apparatus in the Rear Building(with only (~~with~~ 5 Loud Speakers)... ...	Rs. 3600/-
2.	Annual recurring expenditure.. ...	240/-
	Total Rs.	3840/-

Thus the amount for which Government's sanction is required for the year is Rs.3840/-

If the Government approve the proposal and if the above scheme works successfully; it will be extended to the entire Museum galleries by very slow stages of installation of 4 to 5 loud speakers per year.

A sum of Rs.1300/- was provided for this in the Revised Estimate in the Budget for 1946-47 under Other Charges. But this amount could not be spent during the year 1946-47 as Government sanction for the proposal was not obtained. The proposed estimate is a new item of expenditure which has not been included in the Part I Estimates. I therefore request Government to accord sanction for the proposal as ~~a~~ Part II Scheme.

I have the honour to be,
Sir,
Your most obedient servant,

A. Aiyappan
Superintendent.

Encl(pp1-4)

---

duplica

PROVINCIAL BROADCASTING DEPARTMENT

From,
Sri H. Jega Rao, B.Sc.(Hons),
Offg. Radio Engineer,
Garden Road, Madras 10.

To
The Superintendent,
Government Museum,
Egmore, MADRAS.

No.C.8349 Dated 29/9/1947.

Sir,

Sub: - Broadcasting Provincial - Installation of Amplifier and loud speakers in the Government Museum, Egmore Estimate -

Ref: - Your letter No. 2164-4/47, dated 11-9-47 -

I furnish in Annexure I an estimate for the installation of Magnetic recording instruments and amplifiers in the Museum Buildings. In the estimate one set of equipment is provided for each of the two buildings - front and the rear. The system will not work satisfactorily if only one set of equipment is installed to serve both the buildings as the party of visitors will be too far away from the operator and it would be impossible for him to control them as well as operate the equipment. The cost of loud speakers, that are to be provided immediately as per your letter under reference is also provided in this estimate. It is presumed that D.C. Electric supply only will be available at the premises and hence in the estimate provision for DC to AC converters is also made.

In annexure II is listed the places where loud speakers are proposed to be installed as per your letter under reference. In Annexure III I give a list of places where loud speakers were provisionally proposed to be installed. In the same list I have included the number of loud speakers that may possibly be installed in the near future. For the installation of each additional loud speaker the expenditure involved will be about Rs. 150/-. For the provision of extra loud speaker, no additional expenditure need be incurred on the mains recording and amplifier equipment.

The magnetic recording equipment consists of a recording mechanism, full wave rectifier, a preamplifier, microphone etc. By using this equipment the speeches etc. are recorded in a thin magnetizable wire which is supplied with the equipment in spools. Each spool is about 3" in diameter and will take about 60 minutes of recording. The recorded wire is played back using the same equipment and the recorded speeches etc. are amplified by means of additional audio amplifiers and reproduced by means of loud speakers whenever necessary. When the recorded matter gets obsolete at any time it can be erased through a special means provided in the equipment itself, and the wire reused again for recording fresh matter. This process can be repeated number of times using the same wire. The equipment is electrically driven and its operation is simple.

The equipment for the rear building consisting of a recording and reproducing equipment and an audio amplifier may be installed at the extreme end in the first floor of the new extensions (Indicating number in plan - 4) so that the operator can have an eye on the group of visitors that are served by the equipment while operating the same. The loud speakers will be installed at the places indicated in Annexure II.A and each will be connected to the amplifier through a switch. While the equipment is in use one loud speaker at a time will be working reproducing the relavent commentary of the exhibits in that hall to the audience there. Suppose a group of visitors starts to go round the museum from the New extensions in the ground floor, the relevant recorded spool of wire will be put on the equipment and the equipment and the amplifier switched on. The loud speaker installed at "1" will be switched on while the remaining loud speakers are switched off. The visitors then pass on to the

P.T.O.

Hindu Sculptures. As they pass on, the speeches recorded relating to the exhibits in the New extensions ground floor would be coming to a close, the loud speaker in the hall will be switched off by the operator, who will be listening to the reproduced speech through a monitor loud speaker installed near him, and the loud speaker installed at "8" will be put on when recorded commentary regarding the 'Hindu Sculptures' would be reproduced in that hall which the visitors would follow.

A similar set of equipment is necessary for installation in the front building as otherwise, operation will not be satisfactory. The equipment may be installed in the first floor at Idol Varandah (No.23 as per plan). From this place the operator can command the best view of a majority of the places where loud speakers are proposed to be installed. Here also only one loud speaker a a time will be operated.

The number of loud speakers can be increased later by stages to other halls at low cost if found necessary, without the necessity of purchasing any additional amplifying equipment, the cost of installing each extension loud speaker being about Rs. 150/- per loud speaker. The recurring charges involved may be taken at Rs. 10/- per month - i.e. towards cost of electrical energy consumed by the equipment during operation and cost of ordinary repairs that may be necessary. The installation and maintenance of the equipment may be arranged through this department for which a sum of Rs. 120/- per annum will have to be paid to this department as per rules. Thus the total recurring expenditure involved is estimated at Rs.240/- per annum.

As shown in Annexure I, the cost of installation comes to Rs. 7,800/- i.e. Rs. 4,200/- for the rear building and Rs. 3,600/- for the front building. The estimate furnished previously by this Office for Rs. 1,280/- for the installation of equipment with five loud speakers does not include the installation of magnetic wire recorders. Such type of recorders were not recommended then for installation, because it was thought that the charges of recording in ordinary gramophone type records would be cheap. But it is understood to be Rs. 87/- per side of recording as per the quotation by the Gramophone Co. Ltd., Madras. If the equipment were to be installed and the records to be taken at the above rate the recurring ~~charges~~ charges would go up to enormous levels and it would not be worth while to have such type of system installed. Hence it is considered that the Magnetic wire recorders whose advantages have already been explained are best suited for installation for purposes such as the one in view and it would also be more economical in the long run both in recurring and non-recurring expenditure.

Necessary sanction may be obtained for the expenditure involved as per the estimates contained in Annexure I in modification of the previous proposals and intimated to me for further action in the matter.

Enc: Anx. I, II, III A,
III.B.

H. Jogarao 28/9
Offg. Radio Engineer.

TRR. 29/9.

(True copy)

A. Aiyappan
Superintendent,
Govt. Museum, Madras.

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(10)

ANNEXURE I.

Item.	Particulars.	Estimated cost of each.	Rear Building. Quantity.	Rear Building. Cost. Rs.	Front Building. Quantity.	Front Building. Cost. Rs.
1.	Magnetic wire recorder to work from 230 volts AC mains.	1200/- each	1	1200/-	1	1200/-
2.	Additional spools of wire for recording	30/-	5	150/-	5	150/-
3.	10 to 15 watts audio amplifier to work from 230 volts AC mains.	400/-	1	400/-	1	400/-
4.	220 volts DC to 230 volts AC, 50 cycles rotary convertors 500 watts.	800/-	1	800/-	1	800/-
5.	Loudspeakers in cabinet and cost of wiring meterials	150/-	9	1,350/-	5	750/-
6.	Wooden cabin to install the equipment	300/-	1	300/-	1	300/-
			TOTAL.	4,200		3,600

Grant Total Rs.7,800/-

ANNEXURE II.

A. REAR BUILDING.

Item.	Place of installation for loud-speaker	Indicating No. of Ground floor.	Indicating No. of First floor	No. of speakers.
1.	New extension	1		1
2.	Mezanine floor Mohinjadara Gallery		I	1
3.	Hindu Sculptures	5		1
4.	Amaravathi Sculphures	6		1
5.	Jain Sculptures	8		1
6.	Birds gallery	14		1
7.	Mammal gallery	15		1
8.	Fish gallery		XV	1
9.	Invertebrate gallery		XIV	1
				9

B. FRONT BUILDING.

Item.	Place of installation for loud-speaker	Indicating No. of Ground floor.	Indicating No. of First floor	No. of speakers.
1.	Prehistoric gallery	19		1
2.	Metal ware gallery		XXV	1
3.	Vishnu Idol		XXVII	1
4.	Siva Idol		XXVI	1
5.	Ethnology		XX	1
				5

P.T.O.

18

A N N E X U R E III - A.

A. REAR BUILDING.

Item.	Place selected for the installation of loudspeaker.	Indicating No. of the hall as per the plan.		No. of speakers.
		Ground floor.	First floor.	
1.	New extension ground floor	3		2
2.	Mezamine Floor Mohinjadara gallery		I	1
3.	Hindu Sculptures	5		1
4.	Amaravathi Sculptures	6		1
5.	Jain sculptures	8		1
6.	Birds gallery	14		1
7.	Mammal gallery	15		1
8.	Fish gallery		XV	1
9.	Invertebrate gallery		XIV	1
			TOTAL	10

POSSIBLE EXTENSIONS.

Item.	Place selected for the installation of loudspeaker.	Ground floor.	First floor.	No. of speakers.
10.	Comparitive Zoology	9		1
11.	Reptiles	13		1
12.	Inverticrate No.1		XIII	1
			TOTAL.	3

A N N E X U R E III - B.

Item.	Place selected for the installation of loud-speaker.	Indicating No. of the hall as per plan		No. of speakers.
		Ground floor	First floor	
1.	Prehistoric gallery	19		1
2.	Metal ware gallery		XX[illegible]	1
3.	Vishnu Idol		XXVII	1
4.	Siva Idol		XXVI	1
5.	Ethnology		XX	1
6.	Musical instruments		XXI	1
7.	Idol Verandah		XXIII	2
8.	Ethnology 2		XIX	1
			TOTAL	---9
	Possible future extensions			Nil

VRM.29/9.

AS
29/9

Press
Pl. print and send 40 copies at once
[illegible] 5-12-47. Supdt.

(11)

EDN.& P.H.(C2).

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PART II SCHEME FOR 1948-49.

MUSEUM - Govt. - Broadcasting - Installation of Public Address System.

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SUMMARY.

psm.d.

Head of Account.	Item of expenditure.	Ultimate cost.		Cost in 1948-49.	
		Recurring. Rs.	Non-recurring. Rs.	Recurring. Rs.	Non-recurring. Rs.
6.a.Scientific Depts.- .Museums -3.Other harges - Voted. Apparatus and materials	Installation of magnetic recording instruments and amplifiers and loud speakers in the Govt. Museum, Madras.	200	11,100	200	3,600
	Total.	200	11,100	200	3,600

p.196 C.P.B.T.

8 DEC 1947

At present proper facilities are lacking in the Govt. Museum, Madras to make the illiterate visitors understand the significance of the various exhibits in the Museum. In 1936, the Museums Commission conducted its survey of the Museums of the British Empire and published its report on the Museums of India. In discussing the problem of how to deal with illiterate visitors, the Commission recorded its views of the Madras Museum as follows:--

> "At Madras on the occasion of one of the great feasts no less than 130,000 people trooped through the Museum in one day - an orderly happy crowd which a piece of string stretched across a passage could divert and restrain. And although the interior of the Museum was packed and produced the inevitable accompaniment of fingered glass, betel-nut spit and dirty marks on the walls, one realised that this was one of the surest ways of interpreting the outside world to the masses of India. In this way and perhaps in this way alone can the illiterate visitor be given any conception of the world beyond his village or its nearest large town. His mental horizon cannot be expanded through the medium of books because of his illiteracy, or even through the cinema because of his poverty, but the museum skilfully parades before him the accumulated treasures of a Province; though the interpretation of it is left to his native wit. We feel that one of the first requirements of the Indian Museums movement is the sympathetic study of the problem of the illiterate visitor".

p1/E

p1/E

p1c+

The S.G.M. has submitted proposals for implementing the views of the Museum Commission of 1936 by arranging for conducted tours' of the galleries of the Museum for the illiterate visitors (i.e.) by explaining the exhibits by short descriptions through an amplifier and loud speakers and has submitted proposals. This Dept. supports the proposals of the S.G.M. as they

p2d

p1m d

are for the proper utility and development of the museum activities. Necessary provision may be made in the B.E. for 1948-9 as shown in the summary at the top.

5.12.47

S M.V. Subramaniam

(Approved in note)

~~19~~

(12)

Education and Public Health Department (C2).

PART II SCHEME FOR 1948-9.

[SUBJECT.—*Museum—Government—Broadcasting—Installation of Public Address System.*]

Summary.

Head of account.	Item of expenditure.	Ultimate cost.		Cost in 1948-9.	
		Recurring.	Non-recurring.	Recurring.	Non-recurring.
(1)	(2)	(3)	(4)	(5)	(6).
		RS.	RS.	RS.	RS.
36. a. Scientific Departments—A. Museums—3. Other charges—Voted—Apparatus and Materials	Installation of magnetic recording instruments and amplifiers and loud speakers in the Government Museum, Madras.	200	11,100	200	8,600
	Total ..	200	11,100	200	8,600

At present, proper facilities are lacking in the Government Museum, Madras, to make the illiterate visitors understand the significance of the various exhibits in the museum. In 1936, the Museums Commission conducted its survey of the museums of the British Empire and published its report on the museums of India. In discussing the problem of how to deal with illiterate visitors, the Commission recorded its views of the Madras Museum as follows:—

"At Madras on the occasion of one of the great feasts, no less than 130,000 people trooped through the museum in one day—an orderly happy crowd which a piece of string stretched across a passage could divert and restrain. And although

20

the interior of the museum was packed and produced the inevitable accompaniment of fingered glass, betel-nut spit and dirty marks on the walls, one realized that this was one of the surest ways of interpreting the outside world to the masses of India. In this way and perhaps in this way alone can the illiterate visitor be given any conception of the world beyond his village or its nearest large town. His mental horizon cannot be expanded through the medium of books because of his illiteracy, or even through the cinema because of his poverty, but the museum skilfully parades before him the accumulated treasures of a Province, though the interpretation of it is left to his native wit. We feel that one of the first requirements of the Indian Museums Movement is the sympathetic study of the problem of the illiterate visitor ".

The Superintendent, Government Museum, has submitted proposals for implementing the views of the Museums Commission of 1936 by arranging for conducted tours of the galleries of the museum for the illiterate visitors (i.e.), by explaining the exhibits by short descriptions through an amplifier and loud speakers and has submitted proposals. This department supports the proposals of the Superintendent, Government Museum, as they are for the proper utility and development of the museum activities. Necessary provision may be made in the Budget Estimate for 1948-9 as shown in the summary at the top.

M. V. SUBRAMANIAN—5-12-47.

23

(13)

Edu & P H (C2)

Museum – Govt. – Broadcasting – Installation of Public Address System. – Deferred

Ref:-

From the S. G. M., No. 2164-2/46 D/ 6.2.47
" No. 2164-5/47 D/ 30.9.47

16 30/4

h 1-2 cy
h 13-14 cy

Order 1057 Edu dated 30/4/48.
H.S.

11 30/4

The Supdt. Govt. Museum is ~~informed~~ that ~~this~~ proposals contained in his letter cited for the installation of ~~Amplifier system in the Museum is deferred~~ Amplifiers and loud speakers in the Govt. Museum ~~will~~ shall be deferred –

28.4.48

29.4.48

To
The S.G.M.S.
S/c

R/C 28.4.48

4-5-48

E & P. H. (C2)

Museum - Installation of Public Address System

Reg:-

'A'

Appl-5c env. 10422 - from the S.G.M., No 2164-2/46 d/ 6.2.47

In 1936, the Museums Commission conducted its survey of the Museums of the British Empire and published its reports on the Museums of India. Speaking of the illiterate visitor to the Museum, the Commission recorded its views as follows:-

"His mental horizon cannot be expanded through the medium of books because of his illiteracy or even through the cinema because of his poverty, but the Museum skilfully parades before him the accumulated treasures of a Province; though the interpretation of it is left to his native wit. We feel that one of the first requirements of the Indian Museums movement is the sympathetic study of the problem of the illiterate visitor".

p1 c/f The S.G.M states that facilities are lacking at present to make the illiterate visitors understand the significance of the various exhibits in the Museum. He has now come up to Govt for giving effect to the above views of the Museums Commission of 1936. (The matter was not moved to Govt so far) by arranging for 'Conducted tours' of the galleries of the Museum for the illiterate visitors (i.e.) by explaining the exhibits by short descriptions through an amplifier and loud speakers. An experiment in this respect conducted with the help of the equipment lent by the Provincial Radio Engineer and a gramaphone record of certain important Zoological exhibits prepared by the Director of All India Radio, is stated to have proved successful as many visitors evinced keen interest to learn the exhibits by this method. ~~The proposal is modest~~ ~~2~~ The proposal is modest to begin with, with the prospect of development after gaining experience.

p2 c/f

It is proposed to instal loud ~~sp~~ speakers, to start with

[P.T.O

p4 cf – 'X'

in the four halls of the Museum covering stone ~~sehop~~ sculptures of the Archaeological section of the Museum with an amplifier and a Microphone to be located in the gallery of the main section. The descriptions of the various selected exhibits will be written down restricting the matter, so that they may be read at proper speed within the specified period ~~of~~ by the Announcer at the Microphone. The Announcer would read out the descriptions giving predetermined intervals in between, so that the batches of visitors may be conducted to the respective exhibits within those intervals by the Conductor. Every fortnight, different sets of exhibits will be covered during these 'conducted tours'. Each tour will be supervised by the Asst. in charge of the section in the Museum who will watch for the reaction of the visitors to this type of tour. If these conducted tours prove popular and useful, it is proposed to improve the amplifier system as follows:- 'A'

M – p4 cf

(1) Using records for announcing to the visitors instead of by means of an Announcer; 'B'

(2) Using small inexpensive amplifier for each section of the Museum so that more batches of visitors may pass through the section at closer intervals;

(3) Using a central recording machine for preparing the necessary records; – p5 cf

The estimate of expenditure with ref. to 'A' above is Rs 1280/: and this is the expenditure for which sanction is required now. It is also requested that the C.E., P.W.D. (Gl. Buildings & Defence) may be instructed to accord permission for carrying out the installation by the Radio Engineers Dept. – p5 cf – para ~~2~~ p2 cf – para 3 – p2 cf

The estimate of expenditure with ref: to 'B' above is a recording fee of Rs 87/: per side. Sanction is required to incur expenditure on purchase of records from time to time as may be found necessary without money limit subject to the budget provision; – para 4 – p2 cf

(The S.G.M. proposes to place orders with the Gramaphone Co., Ltd., Madras, for records only after gaining some experience of the scheme.

[P.T.O.

EB (B)

3 Though the present expenditure is reported to be only Rs 1280/-, its ultimate committment in case the scheme proves successful will have to be taken ~~out~~ into account in examining the proposal of the S.G.M. Fuller details may be called for this purpose. Finance may see for remarks before a reference is issued to the S.G.M.

RC 22.5.47

22/5/47

25.5.47 Fin

E&P.H U.O. No. 10422 C2/47-1 Edn 26.5.47

Fin (Exp B)

The notes from p 1 above may be perused. No special remarks are called for in Fin at this stage.

31.5.47

31.5.47

ASST. SECRETARY TO GOVERNMENT 27 MAY 1947 FINANCE DEPARTMENT

32013 EB EPH.

Fin no 32013 EB-1 31.5.47.

E & P.H (C2)

A draft memo to the S.G.M is submitted for approval

RC 10.6.47

10/6/47

11.6.47

46540

ASSISTANT SECRETARY ... HEALTH DEPARTMENT

p7 cf

p10 cf

Issued as Memo No. 10422 C2/47-2 Edn dated 11.6.47

C No. 57668 C2/47 - From the S.G.M., No. 2164-3/46 d/15.7.47

Please see the reply from the S.G.M on p 10 cf. ~~[illegible]~~ Final report from the S.G.M may be awaited till 20.8.47.

RC 21.7.47

21/7/47

22.7.47

p11 cf

p12 cf

[Reminder sent on 12.9.47]

C No. 7411 C2/47 - From the S.G.M., No. 2164-5/46 dated 16.9.47

Please see the reply from the S.G.M on p. 12 C.f. The final reply may be awaited till 26.10.47.

RC 24.9.47

27.9.47

22.9.47

[P.T.O.

4

Part II
36 [illegible]

EdB ~~BE II~~

Cr. 78431 C2/47. From the S.G.M., No. 2164-5/47 D/ 30.9.47]

Please see the letter from the S.G.M., on p 13.14 cf. He has furnished a statement of ultimate cost involved in the proposals for the installation of Public Address System in the Galleries of the Museum as ~~asked~~ called ~~for in para 1 of the memo No 10422 C2/47 – 2 Edn dated 11.6.47~~. The ultimate cost involved is Rs. 11340 and the cost in 1948-9 is Rs. 3840.

p 13-14 cf

p 14 cf

2. ~~The~~ The S.G.M. ~~[illegible]~~ applies for a provision of Rs 3840/- in the B.E for 1948-49 to start ~~with~~ the scheme in the rear buildings and to install the recording apparatus and five loud speakers in five galleries to start with. The S.G.M ~~further~~ states that if the scheme works successfully it may be extended to the ~~[illegible]~~ entire Museum galleries by very slow stages of installation of 4 to 5 loud speakers per year.

3. This is not one of the recommendations ~~may~~ made by the committee appointed by the Govt in 1945 to suggest improvements to the Museum. But in the file dealing with those recommendations, when the S.G.M was asked to indicate which of the proposals were urgent and should be proceeded with immediately, he has included the present proposal as one of the urgent schemes. However the proposal does not satisfy any of the ~~tests for essentiality~~ criteria laid down by Finance [vide extracts at ⓧ]. Hence it is for orders whether this scheme may be deferred for the present ~~or may be proceeded~~ ~~with considered as a Part II scheme for 1948-49~~.

Finance may see for remarks before circulation.

It may be [illegible] imperatively and immediately essential, for the proper utility and development of the museum activities the proposal has to be considered as essential and treated as a part II scheme for 1948-49.

RC
14.X.47

[illegible]
21.10.47

21.X.47

20/10/47

26.X.47

BAPHOOM

10422 C2/47-
3 Edn
27.10.47

64028 BE II
28 OCT 1947
31

Finance (B.E.II) Deptt.

Part II Scheme for 1948-9.

Installation of Public Address System in the Government Museum, Madras.

Please see the E. & P.H. Deptt. notes on pp.1-4

C2 (16) 5

above.

The proposal involves expenditure as shown below:--

	Ultimate cost		Cost in 1948-9.	
	Non-recurring. Rs	Recurring. Rs	Non-recurring. Rs	Recurring. Rs
Installation of magnetic recording instrument and amplifiers and loud speakers. in the Govt Museum, Madras.	11,100	200	3,600	200

p 13-14 cf

The necessity for the proposal has been explained in the E.& P.H. Department note on p.1 ~~ante~~ above. E. & P.H. consider that for the proper utility and development of the museum activities, the p posal has to be considered as essential and treated as a Par scheme for 1948-9.

p 1 above

In view of the stringent need for economy, only P development schemes, schemes relating to Grow More Food, tive schemes and schemes that are imperatively and immed essential for the proper running of departments are to as Part II schemes for 1948-9. As the scheme in the pres does not fall within any one of the above classes, Fin. may adv that it be deferred. If the E & P.H. Deptt. wish to press proposal, they may be requested to take orders in circulation cluding H.M. (Fin.).

17.11.47

18/11

12.11.47.

17.11.47

ADS
18/11/47
SAPA

Fin. U.O. No 64028 BE II/47/
9-11-47

ASST. SECRETARY TO GOVERNMENT
19 NOV 1947
91563
EDUCATION AND PUBLIC HEALTH DEPT.

Please see the note of Finan orders whether the suggestion may be [illegible] the circulation [illegible] & H.M. (Fin) for orders.

May be pressed for the [illegible] of the S.G.M. on page 1 C3. The expenditure involved is not [illegible]

RC
20.11.47

20.11.47

21.11.47

S
21/11/47

H.M. (Ed.) (Cir.)
H.M. (Fin.) (Cir.)

TSA
27.11.47

3.12

SECRETARY, EDN. AND P.H. DEPT.
2.1.47
3 DEC 1947
GOVERNMENT OF MADRAS

52

P.T.O

C2

Please see the orders in Cn on p 5 above. Edu & PH (C2)

A draft Part II scheme note is submitted. May be sent to Finance U.O for acceptance.

Re
4.12.47

8.
4.12.47

5.12.47

E & PH U O No.
10422 C2/47-4 Edn
5-12-47

Fin (B.E. II)

(Pres. Fin. note and the orders in circulation on pp. 4-5 above.)

The draft note may be accepted.

5.12.47

73483 BE II
DEC 1947

5.12.47

E & PH

Fin. U.O. 73483 BE II/47-1
5-12-47.

95979
5 1947

Issue

5.12.47

5.12.47

3

by the

improvem

Please see the Part II Scheme ~~printed~~ note on pages 19-20 c.f. Standing Finance Committee has recommended that the scheme may be omitted. File may be circulated to H.M. (Edu) for orders whether he would press this item in the Cabinet meeting.

Please see extract at flag (W)

21.1.48

21/1/48

H.M. (Edn.)

need not be pressed

TSA

22-1-48

22 JAN 1948

Re
21.10.47

28.4.48

28.4.48

Delayed from 22-1-48 to 28.4.48. Why?

Extract taken for separate action.