

## APPENDIX - I

The author stated in the beginning of this text about the methodology followed to investigate the problem. Questionnaires have been one of the methods employed to elicit information about this topic. It is appended herewith the copies of those, who have responded to the queries; with acknowledgements to their reciprocation.

The author has quoted at different places in the earlier part of the script about the answers furnished by the respective authorities of those museums; wherever they were relevant to the points discussed in the chapters or with whom the author agreed.

## QUESTIONNAIRE

Name of the respondent : Dr. S. M. NAIR  
Designation : Director  
Years of experience : Over 17 years in the present capacity  
Date sent out : 24th January 1992  
Date returned : 10th Feb, 1992

**Note:** This questionnaire, designed as a document, has been drawn up by R.V. Ramana, University Grants Commission, Senior Research Fellow, working on museum management at the Department of Museology, Baroda.

It is being sent to a few selected museums in the country with a view to obtaining their help in the preparation of thesis.

### Methods used in the Questionnaire

For the sake of convenience, questions have been grouped under four sub-headings.

The aim has been to obtain information in a standard form which will facilitate systematic presentation.

1. Most questions are Yes/No questions to be answered by the deletion of a word.
2. Some questions require a simple, short answer to be entered in the place provided, the drafting effort called for on your part being thus kept to a minimum.
3. A few questions are to be answered on separate sheets, as fully as the replier wishes and cross-referenced.
4. An unspecified amount of information which is not requested by the questions can be added on further separate sheets, under the relevant sub-headings, similarly cross-referenced.

MUSEUM ARCHITECTURE

Museum building, its location and exterior

Is the museum located at a conveniently accessible place to the public?

✓  
Yes / No

Is it located in the educational/<sup>cultural</sup> quarter of the city?

✓  
Yes / No

Is the site ~~selected~~ in conformity with urban development plans?

✓  
Yes / No

Is there a landscape design of the building?

✓  
Yes / No

Is the museum connected by a public transport system?

✓  
Yes / No

Is the museum an independent unit within its compound?

✓  
Yes / No

Is the building constructed mainly with the locally available construction materials?

Yes / No } The building was constructed for NMNH

Do you keep in view the socio-economic conditions of the people around, while constructing the museum?

Yes / No

Aesthetic aspects of museum building

Is the museum building an imposing architectural feature?

✓  
Yes / No

Is it in harmony with the surroundings?

Yes / No ✓

Does it have a monumental looks?

✓  
Yes / No

Does it represent any architectural style of a period?

If yes, could you please name it?

Modern architecture

What are the salient features of the building?

An imposing, ugly concrete structure, unsuitable for a museum.

Do you recommend any monumental looks for a new museum building?

✓  
Yes / No

If yes, are there any maintenance problems associated with it?

Yes. / No

Do you think an appealing building could attract a visitor to it?

✓  
Yes / No

Museum building as a functional unit

Is it a building constructed to house a museum?

Yes / No  An Industrial Museum

Is it based on any model?

Yes / No

How old is it?

20 years

Was it ever reorganized?

Yes / No

Does it need to be?

Yes / No

Is it a building modified to house a museum?

Yes / No

Is it ideal to serve a museum?

Yes / No

Is it housed in a building permanently meant for it?

Yes / No

Could you provide copies of its blueprints?

Yes / No

Is the building approved for all its safety measures?

Yes / No

If not, in case of accidents, is the institution liable to pay compensation?

Yes / No

Is the disaster management policy envisaged?

Yes / No

Is there scope for expansion?

Yes / No

Who does the repair of the building?

FICCI, New Delhi

Was the architect aware of museum building requirements?

Yes / No

Was he experienced in it?

Yes / No

If no, was he informed of the requirements?

Yes / No

Does the building suit the climatic conditions of the area?

Yes / No

How you deal with the seasonal climatic conditions?

Temporary heating and cooling

How ideal are the four main climatic factors - wind, light, heat, and humidity in the building?

Tolerable

State how you deal the problems concerned with them?

Do you face any problem from pollution of any kind?

Yes /  No

If yes, please name them.

Dust, soot, vehicular exhausts

What are the remedial measures taken?

Regular cleanings, appropriate display cases.

Has the building got a basement?

Yes /  No

Is it a storeyed building?

Yes /  No

How many stories are there?

Six

Please give an account of the location of exhibition, service and storage areas.

Ground Floor: Reception, Temporary Exhibition, Freeze Dry Pres. Lab;  
I to IV Floors: Exhibition Galleries. V Floor: Reserve Collection, Labs, Technical units. VI Floor: Offices, Library, Photography, Art Unit

What is the proportion of the space allocation of the above mentioned three main areas?

Exhibition - 60%. Services - 30%. Storage - 10%.

Is the administrative block separate from the galleries?

Yes /  No

Likewise, is access to other wings like photographic section, modelling studio, conservation laboratory, cafeteria, library, etc., separate or through the galleries? (Access to service and semi-public areas)

Separate access for each of the areas.

Are entrances to airconditioning and electrical units independent or through the galleries?

Independent in service areas; through the gallery in exhibit areas.

What is the present accommodation of your museum in respect of

Total Accommodation: 50,000 sq ft.

- (a) Administrative offices 10%
- (b) Galleries 60%
- (c) Storage space 10%

- (d) Library and photographic collection 5%
- (e) Lecture hall or auditorium 5%
- (f) Laboratory } 10%
- (g) Workshops }
- (h) Receiving rooms for objects —

Are the galleries constructed with a view to exhibit the collections being displayed in them? Yes / No ✓

Was the architect aware of the collection going to be displayed in them? Yes / No ✓

Do you think the architectural requirements of different collections are separate? Yes / No ✓

Could you please give an account of it concerned to your museum?

*Gallery areas, height, width etc should be suitable to house dioramas, Humane exhibits, interactive exhibits etc. for a Natural History Museum.* ✓

Is the building claustrophobic? Yes / No ✓

Did you plan to cope up with the future requirements? Yes / No ✓

yes X What is the visitors' occupancy of the building? *Am. not clear*

Is there a provision for parking of vehicles in the compound? Yes / No ✓

Is it sufficient? Yes / No ✓

Is there a separate parking zone for staff vehicles? Yes / No ✓

Is there a garden in the museum compound? Yes / No ✓

Is it sufficient for the public to rest? Yes / No ✓

Is there an enquiry/reception counter? Yes / No ✓

Is there any notice board for the visitors? Yes / No ✓

Is there a cloakroom? Yes / No ✓

Is there a public telephone? Yes / No ✓

Is there a water-cooler/drinking water facility? Yes / No ✓

Are there toilets? Yes / No ✓

Is there a cafeteria?

Yes / No

Is there a changing room/feeding room for mothers accompanied by small children?

Yes / No

Is there a smoking zone for the smokers?

Yes / No

Are there special provisions for the handicapped?

Yes / No

If yes, please enlist them.

Is there a key gallery?

Yes / No

Is there an orientation room?

Yes / No

Is the visitors' movement planned?

Yes / No

Do you think that the architecture could have an impact on visitors' psychology?

Yes / No

How successful is your museum building in captivating the visitors for the required time?

Very / moderate / less

Did you use any special materials to serve any specific purposes in the construction of the building?

Yes / No

If yes, please mention them.

Were there any efforts in utilizing any climatic factors like the natural light?

Yes / No

Do you have any following natural lighting arrangements.

Yes / No

Side lighting

Yes / No

Ribbon windows

Yes / No

Sun Breakers

Yes / No

Corner and end lighting

Yes / No

Side lighting at a high level

Yes / No

Sky light

Yes / No

Lantern light

Yes / No

Inverted lantern

Yes / No

NO

Please state the salient architectural features with reference to tropical climate.

*Nothing particular*

### Museum building and security

Is there a compound wall/fencing around the museum?  
If any, is it unaccessible?

Yes / No

Are the gates of the compound wall/fencing duly provided with locking arrangements?

Yes / No

Are the vulnerable points of entry secure?

Yes / No

Is the building of your museum such that it does not lend itself to easy scaling?

Yes / No

Are the downtake pipes from the roof covered with barbed wire so as not to be easily scaleable?

Yes / No

Is there yard-lighting or flood-lighting around the museum?

Yes / No

Have you any suggestions to make for further strengthening of the external security through museum architecture?

*Not in this building*

How many thefts have taken place at your museum in the past? Please give details thereof mentioning the number of objects stolen, their approximate value, etc.

*A couple of minor thefts / Rs 200/- approx.*

Are the windows, ventilators, sky-lights, etc. provide with grills or similar safety devices?

Yes / No

Are the grills strong enough?

Yes / No

Are the grills in keeping with the aesthetics of the building?

Yes / No

Are the locking arrangements in the building such that they cannot be easily tampered with?

Yes / No

Are there places in your galleries where one may hide oneself?

Yes / No

Are there restricted areas or galleries in your museum?

Yes / No

Is the administrative block separate from the galleries?

✓  
Yes / No

Is there an alternative arrangement for lighting when normal electric supply fails?

✓  
Yes / No

Are there separate switch-boards for galleries, administrative blocks, verandahs and connections outside the museum?

✓  
Yes / No

Are there fire-alarms and fire-fighting arrangements in the museum? If so, please give details thereof.

Yes.

*Fire Extinguishers, Water hoses etc*

Are there C.C, cameras, TVs, burglar-alarms and smoke-detectors?

✓  
Yes / No

What are the existing safety measures in your museum, viz., grills for windows and ventilators, rolling shutters or collapsible gates to entrances and exits, barbed wire covering the drainage pipes exposed to outside view, barbed wire fencing, flood-lighting etc.

*Watch and Ward* *Manned*  
*not architectural*

**Miscellaneous**

Did you make any survey before constructing the building?

Yes / No

What type?

Literature survey

Consultation with the architects

Field observation

Other types

Did you evolve a new model of museum building?

Yes / No

Do you keep a track of new construction materials that come into the market?

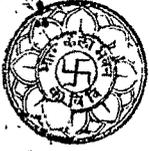
Yes / No

Do you prefer to use them in the construction work?

Yes / No

Could you please explain a few of them and their merits and demerits?

*Doesnot apply as we didnot construct the building*



बनारस हिन्दू विश्वविद्यालय

भारत की आजादी के लिए संघर्ष करने वाले

DEPARTMENT OF MUSEOLOGY

BANARAS HINDU UNIVERSITY, VARANASI 221005

फोन ३१०२१/२२१  
३१००४१  
/ Home 310201/220  
310045

Dr. T.K. Biswas  
Joint Director

No. KB/IV-10/93-94/72

19.4.1994

Shri R.V. Ramana  
Research Fellow  
Department of Museology  
Faculty of Fine Arts  
M.S. University  
BARODA-390 001.

Dear Sir,

Please refer to your letter dated 1.3.94.  
Enclosed herewith is the questionnaire sent by  
you. It is duly answered, as desired.

Please acknowledge the receipt. The delay  
is regretted.

Yours faithfully,

Encl. a/a

*T.K. Biswas*  
(T.K. BISWAS)

## MUSEUM ARCHITECTURE

### Museum building, its location and exterior

Is the museum located at a conveniently accessible place to the public? Yes  / No

Is it located in the educational quarter of the city? Yes  / No

Is the site selected in conformity with urban development plans? Yes  / No

Is there a landscape design of the building? Yes  / No

Is the museum connected by a public transport system? Yes / No

Is the museum an independent unit within its compound? Yes  / No

Is the building constructed mainly with the locally available construction materials? Yes  / No

Do you keep in view the socio-economic conditions of the people around, while constructing the museum? Yes  / No

### Aesthetic aspects of museum building

Is the museum building an imposing architectural feature? Yes  / No

Is it in harmony with the surroundings? Yes  / No

Does it have a monumental looks? Yes  / No

Does it represent any architectural style of a period?

If yes, could you please name it?

What are the salient features of the building?

Do you recommend any monumental looks for a new museum building? Yes / No

If yes, are there any maintenance problems associated with it? Yes / No

Do you think an appealing building could attract a visitor to it? Yes  / No

Museum building as a functional unit

Is it a building constructed to house a museum? Yes / No

Is it based on any model? Yes / No

How old is it? *Opened in 1962*

Was it ever reorganized? Yes / No

Does it need to be? Yes / No

Is it a building modified to house a museum? Yes / No

Is it ideal to serve a museum? Yes / No

Is it housed in a building permanently meant for it? Yes / No

Could you provide copies of its blueprints? Yes / No

Is the building approved for all its safety measures? Yes / No

If not, in case of accidents, is the institution liable to pay compensation? Yes / No

Is the disaster management policy envisaged? Yes / No

Is there scope for expansion? Yes / No

Who does the repair of the building? *University with Dept - BHO*

Was the architect aware of museum building requirements? Yes / No

Was he experienced in it? Yes / No

If no, was he informed of the requirements? Yes / No

Does the building suit the climatic conditions of the area? Yes / No

How you deal with the seasonal climatic conditions?

How ideal are the four main climatic factors - wind, light, heat, and humidity in the building?

State how you deal the problems concerned with them?

*It is not ideal*

Do you face any problem from pollution of any kind?

Yes / No

If yes, please name them.

What are the remedial measures taken?

Has the building got a basement?

Yes / No

Is it a storeyed building?

Yes / No

How many stories are there?

*Two*

Please give an account of the location of exhibition, service and storage areas.

*service and storage space not adequate*

What is the proportion of the space allocation of the above mentioned three main areas?

Is the administrative block separate from the galleries?

Yes / No

Likewise, is access to other wings like photographic section, modelling studio, conservation laboratory, cafeteria, library, etc., separate or through the galleries? (Access to service and semi-public areas)

*Through the galleries.*

Are entrances to airconditioning and electrical units independent or through the galleries?

*through the galleries.*

What is the present accommodation of your museum in respect of

- (a) Administrative offices *not adequate.*
- (b) Galleries *maximum space allotted; there are 11 galleries.*
- (c) Storage space *Storage space comes next to the space allotted for galleries.*

- (d) Library and photographic collection *Library is big and situated in a big gallery. Photo section is separate and not so big.*
- (e) Lecture hall or auditorium *A gallery is converted into a lecture hall*
- (f) Laboratory *A small place is allotted for it*
- (g) Workshops *There is a carpentry in the premises.*
- (h) Receiving rooms for objects *does not exist*

Are the galleries constructed with a view to exhibit the collections being displayed in them? Yes  / No

Was the architect aware of the collection going to be displayed in them? Yes  / No

Do you think the architectural requirements of different collections are separate? Yes / No

Could you please give an account of it concerned to your museum?

Is the building claustrophobic? Yes / No

Did you plan to cope up with the future requirements? Yes / No

What is the visitors' occupancy of the building?

Is there a provision for parking of vehicles in the compound? Yes / No

Is it sufficient? Yes / No

Is there a separate parking zone for staff vehicles? Yes / No

Is there a garden in the museum compound? Yes  / No

Is it sufficient for the public to rest? Yes  / No

Is there an enquiry/reception counter? Yes  / No

Is there any notice board for the visitors? Yes  / No

Is there a cloakroom? Yes / No

Is there a public telephone? Yes / No

Is there a water-cooler/drinking water facility? Yes  / No

Are there toilets? Yes  / No

Is there a cafeteria?

Yes / No ✓

Is there a changing room/feeding room for mothers accompanied by small children?

Yes / No ✓

Is there a smoking zone for the smokers?

Yes / No ✓

Are there special provisions for the handicapped?

Yes / No ✓

If yes, please enlist them.

Wheel chair

Is there a key gallery?

Yes / No ✓

Is there an orientation room?

Yes / No ✓

Is the visitors' movement planned?

Yes / No ✓

Do you think that the architecture could have an impact on visitors' psychology?

Yes / No ✓

How successful is your museum building in captivating the visitors for the required time?

Adequately successful

✓  
Very/moderate/less

Did you use any special materials to serve any specific purposes in the construction of the building?

✓  
Yes / No

If yes, please mention them.

Damp-proof materials for foundation.

Were there any efforts in utilizing any climatic factors, like the natural light?

Yes / No ✓

Do you have any following natural lighting arrangements.

✓  
Yes / No

Side lighting

✓  
Yes / No

Ribbon windows

Yes / No ✓

Sun Breakers

✓  
Yes / No

Corner and end lighting

✓  
Yes / No

Side lighting at a high level

Yes / No ✓

Sky light

Yes / No ✓

Lantern light

Yes / No ✓

Inverted lantern

Yes / No ✓

Please state the salient architectural features with reference to tropical climate.

### Museum building and security

Is there a compound wall/fencing<sup>v</sup> around the museum?  
If any, is it unaccessible?

Yes  / No

Are the gates of the compound wall/fencing<sup>v</sup> duly provided with locking arrangements?

Yes  / No

Are the vulnerable points of entry secure?

Yes  / No

Is the building of your museum such that it does not lend itself to easy scaling?

Yes  / No

Are the downtake pipes from the roof covered with barbed wire so as not to be easily scaleable?

Yes / No

Is there yard-lighting or flood-lighting around the museum?

Yes  / No

Have you any suggestions to make for further strengthening of the external security through museum architecture?

How many thefts have taken place at your museum in the past? Please give details thereof mentioning the number of objects stolen, their approximate value, etc.

No.

Are the windows, ventilators, sky-lights, etc. provide with grills or similar safety devices?

Yes  / No

Are the grills strong enough?

Yes  / No

Are the grills in keeping with the aesthetics of the building?

Yes  / No

Are the locking arrangements in the building such that they cannot be easily tampered with?

Yes  / No

Are there places in your galleries where one may hide oneself?

Yes  / No

Are there restricted areas<sup>v</sup> or galleries in your museum?

Yes  / No

Is the administrative block separate from the galleries? Yes / No ✓

Is there an alternative arrangement for lighting when normal electric supply fails? Yes / No ✓  
*in a restricted area*

Are there separate switch-boards for galleries, administrative blocks, verandahs and connections outside the museum? Yes / No ✓

Are there fire-alarms and fire-fighting arrangements in the museum? If so, please give details thereof.

Are there C.C. cameras, TVs, burglar-alarms and smoke-detectors? Yes / No ✓

What are the existing safety measures in your museum, viz., grills for windows and ventilators, rolling shutters or collapsible gates to entrances and exits, barbed wire covering the drainage pipes exposed to outside view, barbed wire fencing, flood-lighting, etc.

#### Miscellaneous

Did you make any survey before constructing the building? Yes / No ✓

What type?

- [ ] Literature survey [ ✓ ] Consultation with the architects  
 [ ] Field observation [ ] Other types

Did you evolve a new model of museum building? Yes / No

Do you keep a track of new construction materials that come into the market? Yes / No ✓

Do you prefer to use them in the construction work? Yes / No

Could you please explain a few of them and their merits and demerits?

## QUESTIONNAIRE

Name of the respondent : Mr. P. V. Dhalhia  
Designation : Director Deptt. of Museums Govt. of Guj.  
Years of experience : 30. years.  
Date sent out : 20th January 1992  
Date returned : 14-2-92

Note: This questionnaire, designed as a document, has been drawn up by R.V. Ramana, University Grants Commission, Senior Research Fellow, working on museum management at the Department of Museology, Baroda.

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4. An unspecified amount of information which is not requested by the questions can be added on further separate sheets, under the relevant sub-headings, similarly cross-referenced.

Answered by Shri Dalal for Shri Dhalhia in presence  
of Ramana

## MUSEUM ARCHITECTURE

### Museum building, its location and exterior

Is the museum located at a conveniently accessible place to the public?  Yes / No

Is it located in the educational quarter of the city?  Yes / No

Is the site selected in conformity with urban development plans?  Yes / No

Is there a landscape design of the building?  Yes / No

Is the museum connected by a public transport system?  Yes / No

Is the museum an independent unit within its compound?  Yes / No

Is the building constructed mainly with the locally available construction materials?  Yes / No

Do you keep in view the socio-economic conditions of the people around, while constructing the museum?  Yes / No

### Aesthetic aspects of museum building

Is the museum building an imposing architectural feature?  Yes / No

Is it in harmony with the surroundings?  Yes / No

Does it have a monumental looks?  Yes / No

Does it represent any architectural style of a period?

*Yes*  
If yes, could you please name it?

*Indo - Saracenic*  
What are the salient features of the building?

Do you recommend any monumental looks for a new museum building?  Yes / No

If yes, are there any maintenance problems associated with it?  Yes / No

Do you think an appealing building could attract a visitor to it?  Yes / No

Museum building as a functional unit

- It is a building constructed to house a museum?  Yes / No
- Is it based on any model?  Yes / No
- How old is it? 98 years
- Was it ever reorganized?  Yes / No
- Does it need to be?  Yes / No
- Is it a building modified to house a museum?  Yes / No
- Is it ideal to serve a museum?  Yes / No
- Is it housed in a building permanently meant for it?  Yes / No
- Could you provide copies of its blueprints?  Yes / No
- Is the building approved for all its safety measures?  Yes / No
- If not, in case of accidents, is the institution liable to pay compensation?  Yes / No
- Is the disaster management policy envisaged? ~~Yes~~ / No
- Is there scope for expansion?  Yes / No
- Who does the repair of the building?
- Was the architect aware of museum building requirements?  Yes / No
- Was he experienced in it?  Yes / No
- If no, was he informed of the requirements?  Yes / No
- Does the building suit the climatic conditions of the area?  Yes / No
- How you deal with the seasonal climatic conditions?
- How ideal are the four main climatic factors - wind, light, heat, and humidity in the building?

State how you deal the problems concerned with them?

9

Do you face any problem from pollution of any kind?

Yes / No ✓

If yes, please name them.

What are the remedial measures taken?

Has the building got a basement?

Yes / No ✓

Is it a storeyed building?

Yes / No ✓

9 How many stories are there?

Please give an account of the location of exhibition, service and storage areas.

9

8 What is the proportion of the space allocation of the above mentioned three main areas?

Is the administrative block separate from the galleries?

Yes / No ✓

Likewise, is access to other wings like photographic section, modelling studio, conservation laboratory, cafeteria, library, etc., separate or through the galleries? (Access to service and semi-public areas)

9 Are entrances to airconditioning and electrical units independent or through the galleries?

What is the present accommodation of your museum in respect of

- (a) Administrative offices
- (b) Galleries
- (c) Storage space

- (d) Library and photographic collection
- (e) Lecture hall or auditorium
- (f) Laboratory
- (g) Workshops
- (h) Receiving rooms for objects

Are the galleries constructed with a view to exhibit the collections being displayed in them?

✓  
Yes / No

Was the architect aware of the collection going to be displayed in them?

✓  
Yes / No

Do you think the architectural requirements of different collections are separate?

✓  
Yes / No

Could you please give an account of it concerned to your museum?

9 Is the building claustrophobic?

Yes / ~~No~~

Did you plan to cope up with the future requirements?

✓  
Yes / No

9 What is the visitors' occupancy of the building?

Is there a provision for parking of vehicles in the compound?

✓  
Yes / No

Is it sufficient?

✓  
Yes / No

Is there a separate parking zone for staff vehicles?

✓  
Yes / No

Is there a garden in the museum compound?

✓  
Yes / No

Is it sufficient for the public to rest?

✓  
Yes / No

Is there an enquiry/reception counter?

✓  
Yes / No

Is there any notice board for the visitors?

✓  
Yes / No

Is there a cloakroom?

✓  
Yes / No

Is there a public telephone?

✓  
Yes / No

Is there a water-cooler/drinking water facility?

✓  
Yes / No

Are there toilets?

✓  
Yes / No

for public

No

Is there a cafeteria?

Yes / No

Is there a changing room/feeding room for mothers accompanied by small children?

Yes / No

Is there a smoking zone for the smokers?

Yes / No

\* Are there special provisions for the handicapped?

Yes / No

If yes, please enlist them.

Is there a key gallery?

Yes / No

W/A

2

\* Is there an orientation room?

Yes / No

Is the visitors' movement planned?

Yes / No

Do you think that the architecture could have an impact on visitors' psychology?

Yes / No

How successful is your museum building in captivating the visitors for the required time?

8

Very/moderate/less

Did you use any special materials to serve any specific purposes in the construction of the building?

Yes / No

shalt?

If yes, please mention them.

Were there any efforts in utilizing any climatic factors like the natural light?

Yes / No

Do you have any following natural lighting arrangements.

Yes / No

- Side lighting Yes / No
- Ribbon windows Yes / No
- Sun Breakers
- Corner and end lighting Yes / No
- Side lighting at a high level Yes / No
- Sky light Yes / No
- Lantern light Yes / No
- Inverted lantern Yes / No

Please state the salient architectural features with reference to tropical climate.

### Museum building and security

Is there a compound wall/fencing around the museum?  
If any, is it unaccessible?  Yes / No

Are the gates of the compound wall/fencing duly provided with locking arrangements?  Yes / No

Are the vulnerable points of entry secure?  Yes / No

Is the building of your museum such that it does not lend itself to easy scaling?  Yes / No

Are the downtake pipes from the roof covered with barbed wire so as not to be easily scaleable?  Yes / No

Is there yard-lighting or flood-lighting around the museum?  Yes / No

Have you any suggestions to make for further strengthening of the external security through museum architecture?

9 ←  
How many thefts have taken place at your museum in the past? Please give details thereof mentioning the number of objects stolen, their approximate value, etc.

9.  
Are the windows, ventilators, sky-lights, etc. provide with grills or similar safety devices?  Yes / No

Are the grills strong enough?  Yes / No

Are the grills in keeping with the aesthetics of the building?  Yes / No

Are the locking arrangements in the building such that they cannot be easily tampered with?  Yes / No

Are there places in your galleries where one may hide oneself?  Yes / No

Are there restricted areas or galleries in your museum?  Yes / No

Is the administrative block separate from the galleries?

✓  
Yes / No

Is there an alternative arrangement for lighting when normal electric supply fails?

✓  
Yes / No

Are there separate switch-boards for galleries, administrative blocks, verandahs and connections outside the museum?

✓  
Yes / No

Are there fire-alarms and fire-fighting arrangements in the museum? If so, please give details thereof.

8  
Are there C.C. cameras, TVs, burglar-alarms and smoke-detectors?

✓  
Yes / No

What are the existing safety measures in your museum, viz., grills for windows and ventilators, rolling shutters or collapsible gates to entrances and exits, barbed wire covering the drainage pipes exposed to outside view, barbed wire fencing, flood-lighting, etc.

#### Miscellaneous

Did you make any survey before constructing the building?

✓  
Yes / No

What type?

- [ ] Literature survey      [ ] Consultation with the architects  
[ ] Field observation      [ ] Other types

Did you evolve a new model of museum building?

✓  
Yes / No

Do you keep a track of new construction materials that come into the market?

✓  
Yes / No

Do you prefer to use them in the construction work?

✓  
Yes / No

Could you please explain a few of them and their merits and demerits?

9

S. GOSWAMY  
Director



**BIRLA INDUSTRIAL AND  
TECHNOLOGICAL MUSEUM**  
NATIONAL COUNCIL OF SCIENCE MUSEUMS  
19A, GURUBADAY ROAD  
CALCUTTA-700 010

**GOVT. OF INDIA**

बिड़ला औद्योगिक तथा प्रौद्योगिक संग्रहालय

राष्ट्रीय विज्ञान संग्रहालय परिषद

१९९, गुरुसदय रोड, कलकत्ता-७०००१९

भारत सरकार

PHONE : 47-7241 (3 LINES) /47-6102 (Direct)

GRAM : TECHMUSEUM

TELEX : 0217723 BITM IN

D. O. No. BM-34(1)/Dir/91-

Dated 20th February, 19 92.

Dear Shri Ramana,

I am enclosing herewith filled up questionnaire as requested by you. I hope the information furnished will be useful to you. I am sorry for slight delay in sending the matter to you.

With regards,

Yours sincerely,

(S. GOSWAMY)

Encl: as above

Shri R.V. Ramana,  
Research Fellow,  
Department of Museology,  
Faculty of Fine Arts,  
M.S. University,  
BARODA - 390002,  
INDIA

## MUSEUM ARCHITECTURE

### Museum building, its location and exterior

Is the museum located at a conveniently accessible place to the public? Yes /

Is it located in the educational quarter of the city? Yes /

✓ Is the site selected in conformity with urban development plans? / No

— Is there a landscape design of the building? / No

Is the museum connected by a public transport system? Yes /

Is the museum an independent unit within its compound? Yes /

Is the building constructed mainly with the locally available construction materials? Yes /

Do you keep in view the socio-economic conditions of the people around, while constructing the museum? Yes / ~~No~~

### Aesthetic aspects of museum building

Is the museum building an imposing architectural feature? Yes / ~~No~~

— Is it in harmony with the surroundings? ~~Yes~~ / No

Does it have ~~a~~ monumental looks? Yes /

Does it represent any architectural style of a period?

If yes, could you please name it?

What are the salient features of the building?

Do you recommend any monumental looks for a new museum building? ~~Yes~~ / No

If yes, are there any maintenance problems associated with it? Yes / No

Do you think an appealing building could attract a visitor to it? Yes /

Museum building as a functional unit

~~It is~~ <sup>Is</sup> a building constructed to house a museum?

/ No

Is it based on any model?

/ No

How old is it?

60 yrs.

Was it ever reorganized?

/ No

~~Does it need to be?~~

Yes /

~~Is it a building modified to house a museum?~~

Yes /

~~Is it ideal to serve a museum?~~

/ No ✓

Is it housed in a building permanently meant for it?

Yes /

Could you provide copies of its blueprints?

/ No

Is the building approved for all its safety measures?

Yes /

? If not, in case of accidents, is the institution liable to pay compensation?

Yes / No

~~Is the disaster management policy envisaged?~~

/ No

~~Is there scope for expansion?~~

/ No

Who does the repair of the building?

In house

Was the architect aware of museum building requirements?

Yes / No N.A

Was he experienced in it?

Yes / No N.A

If no, was he informed of the requirements?

Yes / No N.A

Does the building suit the climatic conditions of the area?

Yes /

How you deal with the seasonal climatic conditions?

Nothing special is required

How ideal are the four main climatic factors - wind, light, heat, and humidity in the building?

It is suited for all

State how you deal the problems concerned with them?

Do you face any problem from pollution of any kind? Yes / No

If yes, please name them.

Smoke & Sound

What are the remedial measures taken?

Nothing

Has the building got a basement?

Yes / No

Is it a storeyed building?

Yes / No

How many stories are there?

3

Please give an account of the location of exhibition, service and storage areas.

What is the proportion of the space allocation of the above mentioned three main areas?

Is the administrative block separate from the galleries?

Yes / No

Likewise, is access to other wings like photographic section, modelling studio, conservation laboratory, cafeteria, library, etc., separate or through the galleries? (Access to service and semi-public areas)

Separate

Are entrances to airconditioning and electrical units independent or through the galleries?

Independent

What is the present accommodation of your museum in respect of

- |                            |               |
|----------------------------|---------------|
| (a) Administrative offices | 2000 sq ft.   |
| (b) Galleries              | 60,000 sq ft. |
| (c) Storage space          | 5,000 sq ft.  |

(d) Library and photographic collection	5 000
(e) Lecture hall or auditorium	3 000
(f) Laboratory	1 000
(g) Workshops	18,000
(h) Receiving rooms for objects	3 000

X Are the galleries constructed with a view to exhibit the collections being displayed in them? Yes / No

X Was the architect aware of the collection going to be displayed in them? Yes / No

Do you think the architectural requirements of different collections are separate? Yes / No

Could you please give an account of it concerned to your museum?

Is the building claustrophobic? Yes / No

Did you plan to cope up with the future requirements? Yes / No

What is the visitors' occupancy of the building?

Is there a provision for parking of vehicles in the compound? Yes / No

Is it sufficient? Yes / No

Is there a separate parking zone for staff vehicles? Yes / No

Is there a garden in the museum compound? Yes / No

Is it sufficient for the public to rest? Yes / No

Is there an enquiry/reception counter? Yes / No

Is there any notice board for the visitors? Yes / No

Is there a cloakroom? Yes / No

Is there a public telephone? Yes / No

Is there a water-cooler/drinking water facility? Yes / No

Are there toilets? Yes / No

Is there a cafeteria?

Yes / No

Is there a changing room/feeding room for mothers accompanied by small children?

Yes / No

Is there a smoking zone for the smokers?

Yes / No

Are there special provisions for the handicapped?

Yes / No

If yes, please enlist them.

Is there a key gallery?

Yes / No

Is there an orientation room?

Yes / No

Is the visitors' movement planned?

Yes / No

Do you think that the architecture could have an impact on visitors' psychology?

Yes / No

How successful is your museum building in captivating the visitors for the required time?

Very/moderate/less

Did you use any special materials to serve any specific purposes in the construction of the building?

Yes / No

NA

If yes, please mention them.

Were there any efforts in utilizing any climatic factors like the natural light?

Yes / No

Do you have any following natural lighting arrangements.

Yes / No

Side lighting

Yes / No

Ribbon windows

Yes / No

Sun Breakers

Corner and end lighting

Yes / No

Side lighting at a high level

Yes / No

Sky light

Yes / No

Lantern light

Yes / No

Inverted lantern

Yes / No

Please state the salient architectural features with reference to tropical climate.

**Museum building and security**

Is there a compound wall/fencing around the museum? Yes / No  
If any, is it unaccessible?

Are the gates of the compound wall/fencing duly provided with locking arrangements? Yes / No

Are the vulnerable points of entry secure? Yes / No

Is the building of your museum such that it does not lend itself to easy scaling? Yes / No

X Are the downtake pipes from the roof covered with barbed wire so as not to be easily scaleable? Yes / No

Is there yard-lighting or flood-lighting around the museum? Yes / No

Have you any suggestions to make for further strengthening of the external security through museum architecture?

X How many thefts have taken place at your museum in the past? Please give details thereof mentioning the number of objects stolen, their approximate value, etc.

2 cases object worth Rs 15000/-  
in total.

Are the windows, ventilators, sky-lights, etc. provide with grills or similar safety devices? Yes / No

Are the grills strong enough? Yes / No

Are the grills in keeping with the aesthetics of the building? Yes / No

Are the locking arrangements in the building such that they cannot be easily tampered with? Yes / No

X Are there places in your galleries where one may hide oneself? Yes / No

←  
NA Are there restricted areas or galleries in your museum? Yes / No

Is the administrative block separate from the galleries?

Yes / ..

Is there an alternative arrangement for lighting when normal electric supply fails?

Yes /

Are there separate switch-boards for galleries, administrative blocks, verandahs and connections outside the museum?

Yes / ..

Are there fire-alarms and fire-fighting arrangements in the museum? If so, please give details thereof.

Yes  
fire extinguisher

Are there C.C. cameras, TVs, burglar-alarms and smoke-detectors?

.. / No

What are the existing safety measures in your museum, viz., grills for windows and ventilators, rolling shutters or collapsible gates to entrances and exits, barbed wire covering the drainage pipes exposed to outside view, barbed wire fencing, flood-lighting, etc.

barbed wire

Miscellaneous

Did you make any survey before constructing the building?

Yes / No N/A

What type?

- Literature survey
- Consultation with the architects
- Field observation
- Other types

Did you evolve a new model of museum building?

Yes / ..

Do you keep a track of new construction materials that come into the market?

Yes / ..

Do you prefer to use them in the construction work?

Yes / ..

Could you please explain a few of them and their merits and demerits?

प्रेमक,

निदेशक,  
राज्य संग्रहालय,  
लखनऊ

सेवा में,

श्री आर० बी० रमन,  
डिपार्टमेंट ऑफ यूजियॉलाजी,  
फैक्ट्री ऑफ आर्ट,  
एम० एस० यूनिवर्सिटी,  
बङ्गादा-390002

सं० 1179 / तृतीय - 17(९)/91-92

दिनांक ४ फरवरी, 1992

विषय:-संग्रहालय प्रश्नोत्तरी का पूर्ण करने के बाद वापसी।  
=====

महोदय,

आप द्वारा प्रेषित संग्रहालय विज्ञान से सम्बन्धित प्रश्नोत्तरी के उत्तर भिजवाये जा रहे हैं तथा साथ में संग्रहालय की लघु पुस्तिका भी संलग्न है।  
सांग्रह  
संलग्नक-उपरोक्तानुसार।

भावदीय

शैलेन्द्र कुमार रस्तोगी  
(शैलेन्द्र कुमार रस्तोगी)  
सहायक निदेशक  
कृत निदेशक

## QUESTIONNAIRE

Name of the respondent : DR. SHALLENDR KUMAR RASIOGI  
Designation : ASSISTANT DIRECTOR  
Years of experience : 27 1/2 years  
Date sent out : 20th January 1992  
Date returned : 7th Feb. 1992

**Note:** This questionnaire, designed as a document, has been drawn up by R.V. Ramana, University Grants Commission, Senior Research Fellow, working on museum management at the Department of Museology, Baroda.

It is being sent to a few selected museums in the country with a view to obtaining their help in the preparation of thesis.

### Methods used in the Questionnaire

For the sake of convenience, questions have been grouped under four sub-headings.

The aim has been to obtain information in a standard form which will facilitate systematic presentation.

1. Most questions are Yes/No questions to be answered by the deletion of a word.
2. Some questions require a simple, short answer to be entered in the place provided, the drafting effort called for on your part being thus kept to a minimum.
3. A few questions are to be answered on separate sheets, as fully as the replier wishes and cross-referenced.
4. An unspecified amount of information which is not requested by the questions can be added on further separate sheets, under the relevant sub-headings, similarly cross-referenced.

## MUSEUM ARCHITECTURE

### Museum building, its location and exterior

- Is the museum located at a conveniently accessible place to the public? Yes / ~~No~~
- Is it located in the educational quarter of the city? Yes / ~~No~~
- Is the site selected in conformity with urban development plans? Yes / ~~No~~
- Is there a landscape design of the building? Yes / ~~No~~
- Is the museum connected by a public transport system? ~~Yes~~ / No
- Is the museum an independent unit within its compound? ~~Yes~~ / No
- Is the building constructed mainly with the locally available construction materials? Yes / ~~No~~
- cal suitability?* Do you keep in view the socio-economic conditions of the people around, while constructing the museum? Yes / No

### Aesthetic aspects of museum building

- Is the museum building an imposing architectural feature? Yes / ~~No~~
- Is it in harmony with the surroundings? Yes / ~~No~~
- Does it have a monumental looks? ~~Yes~~ / No
- Does it represent any architectural style of a period? /

If yes, could you please name it?

What are the salient features of the building?

- Do you recommend any monumental looks for a new museum building? Yes / ~~No~~
- If yes, are there any maintenance problems associated with it? Yes / ~~No~~
- Do you think an appealing building could attract a visitor to it? Yes / ~~No~~

## Museum building as a functional unit

- \* Is it a building constructed to house a museum? Yes / No
- \* Is it based on any model? ~~Yes~~ / No
- How old is it? 1963
- Was it ever reorganized? Yes / ~~No~~ 1988
- \* Does it need to be? Yes / ~~No~~
- Is it a building modified to house a museum? ~~Yes~~ / No
- \* ~~X~~ Is it ideal to serve a museum? ~~Yes~~ / No
- Is it housed in a building permanently meant for it? Yes / ~~No~~
- 8 Could you provide copies of its blueprints? Yes / No
- Is the building approved for all its safety measures? Yes / No
- If not, in case of accidents, is the institution liable to pay compensation? ~~Yes~~ / No
- Is the disaster management policy envisaged? Yes / ~~No~~
- \* ~~X~~ Is there scope for expansion? ~~Yes~~ / No
- Who does the repair of the building?
- Was the architect aware of museum building requirements? ~~Yes~~ / No
- Was he experienced in it? ~~Yes~~ / No
- If no, was he informed of the requirements? ~~Yes~~ / No
- Does the building suit the climatic conditions of the area? ~~Yes~~ / No
- How you deal with the seasonal climatic conditions?
- How ideal are the four main climatic factors - wind, light, heat, and humidity in the building? Not Controlled

State how you deal the problems concerned with them?

Do you face any problem from pollution of any kind?

Yes / ~~No~~

If yes, please name them.

Dust, dirt

What are the remedial measures taken?

Has the building got a basement?

Yes / No

Is it a storeyed building?

~~Yes~~ / No

How many stories are there?

Two stories and  
Two Mezzanines

Please give an account of the location of exhibition, service and storage areas.

What is the proportion of the space allocation of the above mentioned three main areas?

X Is the administrative block separate from the galleries?

~~Yes~~ / No

Likewise, is access to other wings like photographic section, modelling studio, conservation laboratory, cafeteria, library, etc., separate or through the galleries? (Access to service and semi-public areas)

semi public areas

Are entrances to airconditioning and electrical units independent or through the galleries?

What is the present accommodation of your museum in respect of

- (a) Administrative offices
- (b) Galleries
- (c) Storage space

Eight galleries  
Basement +  
Upper floor for  
reference collection

- (d) Library and photographic collection
- (e) Lecture hall or auditorium
- (f) Laboratory
- (g) Workshops
- (h) Receiving rooms for objects

- \* X Are the galleries constructed with a view to exhibit the collections being displayed in them? Yes / ~~No~~
- X Was the architect aware of the collection going to be displayed in them? ~~Yes~~ / No
- Do you think the architectural requirements of different collections are separate? Yes / No
- X Could you please give an account of it concerned to your museum?
- Is the building claustrophobic? Yes / No
- Did you plan to cope up with the future requirements? Yes / No
- What is the visitors' occupancy of the building?
- Is there a provision for parking of vehicles in the compound? Yes / ~~No~~
- \* X Is it sufficient? ~~Yes~~ / No
- Is there a separate parking zone for staff vehicles? Yes / ~~No~~
- Is there a garden in the museum compound? Yes / ~~No~~
- Is it sufficient for the public to rest? Yes / ~~No~~
- Is there an enquiry/reception counter? Yes / ~~No~~
- X Is there any notice board for the visitors? ~~Yes~~ / No
- Is there a cloakroom? Yes / ~~No~~
- X Is there a public telephone? ~~Yes~~ / No
- Is there a water-cooler/drinking water facility? Yes / ~~No~~
- Are there toilets? Yes / ~~No~~

Is there a cafeteria? ~~Yes~~ / No

Is there a changing room/feeding room for mothers accompanied by small children? ~~Yes~~ / No

Is there a smoking zone for the smokers? ~~Yes~~ / No

Are there special provisions for the handicapped? Yes / ~~No~~

If yes, please enlist them.

*lift*

Is there a key gallery? Yes / No

Is there an orientation room? Yes / No

Is the visitors' movement planned? Yes / No

Do you think that the architecture could have an impact on visitors' psychology? Yes / ~~No~~

How successful is your museum building in captivating the visitors for the required time?

Very/moderate/less

Did you use any special materials to serve any specific purposes in the construction of the building? ~~Yes~~ / No

If yes, please mention them.

Were there any efforts in utilizing any climatic factors like the natural light? Yes / ~~No~~

Do you have any following natural lighting arrangements? ~~Yes~~ / No

Side lighting ~~Yes~~ / No

Ribbon windows ~~Yes~~ / No

Sun Breakers

Corner and end lighting ~~Yes~~ / No

Side lighting at a high level ~~Yes~~ / No

Sky light ~~Yes~~ / No

Lantern light ~~Yes~~ / No

Inverted lantern Yes / No

Please state the salient architectural features with reference to tropical climate.

### Museum building and security

Is there a compound wall/fencing around the museum?  
If any, is it unaccessible?

~~Yes~~ / No

Are the gates of the compound wall/fencing duly provided with locking arrangements?

~~Yes~~ / No

Are the vulnerable points of entry secure?

Yes / ~~No~~

Is the building of your museum such that it does not lend itself to easy scaling?

~~Yes~~ / No

Are the downtake pipes from the roof covered with barbed wire so as not to be easily scaleable?

Yes / ~~No~~

Is there yard-lighting or flood-lighting around the museum?

Yes / No

Have you any suggestions to make for further strengthening of the external security through museum architecture?

How many thefts have taken place at your museum in the past? Please give details thereof mentioning the number of objects stolen, their approximate value, etc.

*one silver Pot  
was stolen on 1-4-196  
1-4-196*

Are the windows, ventilators, sky-lights, etc. provide with grills or similar safety devices?

Yes / ~~No~~

Are the grills strong enough?

Yes / ~~No~~

Are the grills in keeping with the aesthetics of the building?

Yes / ~~No~~

Are the locking arrangements in the building such that they cannot be easily tampered with?

Yes / ~~No~~

Are there places in your galleries where one may hide oneself?

~~Yes~~ / No

Are there restricted areas or galleries in your museum?

Yes / ~~No~~

X Is the administrative block separate from the galleries? ~~Yes~~ / No

X Is there an alternative arrangement for lighting when normal electric supply fails? ~~Yes~~ / No

X Are there separate switch-boards for galleries, administrative blocks, verandahs and connections outside the museum? ~~Yes~~ / No

9 Are there fire-alarms and fire-fighting arrangements in the museum? If so, please give details thereof.

X Are there C.C. cameras, TVs, burglar-alarms and smoke-detectors? ~~Yes~~ / No

What are the existing safety measures in your museum, viz., grills for windows and ventilators, rolling shutters or collapsible gates to entrances and exits, barbed wire covering the drainage pipes exposed to outside view, barbed wire fencing, flood-lighting, etc.

#### Miscellaneous

X Did you make any survey before constructing the building? ~~Yes~~ / No

What type?

- [ ] Literature survey      [ ] Consultation with the architects  
[ ] Field observation      [ ] Other types

Did you evolve a new model of museum building? ~~Yes~~ / No

Do you keep a track of new construction materials that come into the market? ~~Yes~~ / No

Do you prefer to use them in the construction work? ~~Yes~~ / No

Could you please explain a few of them and their merits and demerits?

DEPARTMENT OF MUSEUMS

From

The Director of Museums,  
Government Museum,  
Egmore, Madras-8.

To

Thiru R.V.Ramana,  
Research Fellow,  
Department of Museology,  
Faculty of Fine Arts,  
M.S. University,  
BARODA - 390 002  
INDIA.

Lr.No. 633/92/G4 dated 6.3.92

Dear Sir,

Sub: Request to fill the questionnaire.

Ref: Your letter dated 23.1.92.

With reference to your letter cited, I am  
sending herewith the questionnaire duly filled in as  
required.

Yours faithfully,

*[Handwritten Signature]*

for Director.

Encl: Questionnaire.

*[Handwritten Signature]*  
19/3/92

vs.

*[Handwritten Signature]*  
19/3/92

## QUESTIONNAIRE

Name of the respondent : M RAMAN, I.A.S.,  
Designation : DIRECTOR OF MUSEUMS,  
Years of experience : \_\_\_\_\_  
Date sent out : 20th January 1992  
Date returned : \_\_\_\_\_

**Note:** This questionnaire, designed as a document, has been drawn up by R.V. Ramana, University Grants Commission, Senior Research Fellow, working on museum management at the Department of Museology, Baroda.

It is being sent to a few selected museums in the country with a view to obtaining their help in the preparation of thesis.

### Methods used in the Questionnaire

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1. Most questions are Yes/No questions to be answered by the deletion of a word.
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3. A few questions are to be answered on separate sheets, as fully as the replier wishes and cross-referenced.
4. An unspecified amount of information which is not requested by the questions can be added on further separate sheets, under the relevant sub-headings, similarly cross-referenced.

## MUSEUM ARCHITECTURE

### Museum building, its location and exterior

Is the museum located at a conveniently accessible place to the public? Yes / ~~NO~~

Is it located in the educational quarter of the city? Yes / ~~NO~~

Is the site selected in conformity with urban development plans? Yes / ~~NO~~

X Is there a landscape design of the building? ~~Yes~~ / No

Is the museum connected by a public transport system? Yes / ~~NO~~

Y Is the museum an independent unit within its compound? ~~Yes~~ / No

Is the building constructed mainly with the locally available construction materials? Yes / ~~NO~~

Do you keep in view the socio-economic conditions of the people around, while constructing the museum? Yes / ~~NO~~

### Aesthetic aspects of museum building

Is the museum building an imposing architectural feature? Yes / ~~NO~~

X Is it in harmony with the surroundings? ~~Yes~~ / No

Does it have a monumental looks? Yes / ~~NO~~

Does it represent any architectural style of a period? Yes / ~~NO~~

If yes, could you please name it? MOGVAL.

What are the salient features of the building? *There are six Buildings. Natural History section, Anthropological Gallery, Bronze Gallery, National Art Gallery; Gallery of Contemporary Art, Children's Museum*

→ Do you recommend any monumental looks for a new museum building? Yes / ~~NO~~

If yes, are there any maintenance problems associated with it? Yes / ~~NO~~

Do you think an appealing building could attract a visitor to it? Yes / ~~NO~~

Museum building as a functional unit

- X Is it a building constructed to house a museum? ~~Yes~~ / No
- Is it based on any model? ~~Yes~~ / No
- How old is it? Established in 1851 - 140 years old
- Was it ever reorganized? Yes / ~~No~~
- Does it need to be? Yes / ~~No~~
- X Is it a building modified to house a museum? ~~Yes~~ / No
- X Is it ideal to serve a museum? ~~Yes~~ / No
- Is it housed in a building permanently meant for it? Yes / ~~No~~
- Could you provide copies of its blueprints? with P.W.D. ~~Yes~~ / No
- Is the building approved for all its safety measures? ~~Yes~~ / No
- If not, in case of accidents, is the institution liable to pay compensation? ~~Yes~~ / No
- Is the disaster management policy envisaged? ~~Yes~~ / No
- Is there scope for expansion? Yes / ~~No~~

Who does the repair of the building? PUBLIC WORKS DEPARTMENT  
GOVERNMENT OF TAMIL NADU

- Was the architect aware of museum building requirements? Yes / No
- Was he experienced in it? Yes / No
- If no, was he informed of the requirements? Yes / No
- Does the building suit the climatic conditions of the area? Yes / ~~No~~
- How you deal with the seasonal climatic conditions? No precaution is taken

How ideal are the four main climatic factors - wind, light, heat, and humidity in the building? Humidity is more due to sea

State how you deal the problems concerned with them?

Do you face any problem from pollution of any kind?

Yes / ~~No~~

If yes, please name them. Dust, humidity etc.

What are the remedial measures taken? For dust cleaning

Has the building got a basement?

Yes / No

Is it a storeyed building?

Yes / No

How many stories are there?

Please give an account of the location of exhibition, service and storage areas.

There are 6 separate building scattered all over special

Nothing

What is the proportion of the space allocation of the above mentioned three main areas?

Is the administrative block separate from the galleries?

Yes / ~~No~~

Likewise, is access to other wings like photographic section, modelling studio, conservation laboratory, cafeteria, library, etc., separate or through the galleries? (Access to service and semi-public areas)

Separate

Are entrances to airconditioning and electrical units independent or through the galleries?

No airconditioning Electrical units through the galleries

What is the present accommodation of your museum in respect of

(a) Administrative offices

(b) Galleries

Insufficient

(c) Storage space

- (d) Library and photographic collection no proper
- (e) Lecture hall or auditorium
- (f) Laboratory sufficient but no man power
- (g) Workshops --
- (h) Receiving rooms for objects --

Are the galleries constructed with a view to exhibit the collections being displayed in them? ~~Yes~~ / No

Was the architect aware of the collection going to be displayed in them? ~~Yes~~ / ~~No~~ Architect

Do you think the architectural requirements of different collections are separate? Yes / ~~No~~

*F* Could you please give an account of it concerned to your museum? --

Is the building claustrophobic? ~~Yes~~ / No

*X* Did you plan to cope up with the future requirements? ~~Yes~~ / No

*X* What is the visitors' occupancy of the building? Crowded

Is there a provision for parking of vehicles in the compound? Yes / ~~No~~

*X* Is it sufficient? ~~Yes~~ / No

*Y* Is there a separate parking zone for staff vehicles? ~~Yes~~ / No

Is there a garden in the museum compound? Yes / ~~No~~

Is it sufficient for the public to rest? Yes / ~~No~~

Is there an enquiry/reception counter? Yes / ~~No~~

Is there any notice board for the visitors? Yes / ~~No~~

*F* Is there a cloakroom? ~~Yes~~ / No

*F* Is there a public telephone? ~~Yes~~ / No

Is there a water-cooler/drinking water facility? Yes / ~~No~~

Are there toilets? Yes / ~~No~~

Is there a cafeteria? Yes ~~XXXX~~

Is there a changing room/feeding room for mothers accompanied by small children? ~~XXXX~~ / No

Is there a smoking zone for the smokers? ~~XXXX~~ / No

Are there special provisions for the handicapped? ~~XXXX~~ / No

If yes, please enlist them.

Is there a key gallery? ~~XXXX~~ / No

Is there an orientation room? ~~XXXX~~ / No

Is the visitors' movement planned? ~~XXXX~~ / No

Do you think that the architecture could have an impact on visitors' psychology? Yes / ~~No~~

How successful is your museum building in captivating the visitors for the required time?

Very/moderate/less.

Did you use any special materials to serve any specific purposes in the construction of the building? ~~XXXX~~ / No

If yes, please mention them.

Were there any efforts in utilizing any climatic factors like the natural light? ~~XXXX~~ / No

Do you have any following natural lighting arrangements? Yes / ~~No~~

Side lighting Yes / ~~No~~

Ribbon windows ~~XXXX~~ / No

Sun Breakers

Corner and end lighting ~~XXXX~~ / No

Side lighting at a high level ~~XXXX~~ / No

Sky light ~~XXXX~~ / No

Lantern light ~~XXXX~~ / No

Inverted lantern ~~XXXX~~ / No

Please state the salient architectural features with reference to tropical climate.

### Museum building and security

- Is there a compound wall/fencing around the museum?  
If any, is it unaccessible? Yes / ~~No~~
- Are the gates of the compound wall/fencing duly provided with locking arrangements? Yes / ~~No~~
- Are the vulnerable points of entry secure? Yes / ~~No~~
- Is the building of your museum such that it does not lend itself to easy scaling? Yes / ~~No~~
- Are the downtake pipes from the roof covered with barbed wire so as not to be easily scaleable? ~~Yes~~ / No
- Is there yard-lighting or flood-lighting around the museum? Yes / ~~No~~
- Have you any suggestions to make for further strengthening of the external security through museum architecture?
- How many thefts have taken place at your museum in the past? Please give details thereof mentioning the number of objects stolen, their approximate value, etc.
- Are the windows, ventilators, sky-lights, etc. provide with grills or similar safety devices? Yes / ~~No~~
- Are the grills strong enough? Yes / ~~No~~
- Are the grills in keeping with the aesthetics of the building? Yes / ~~No~~
- Are the locking arrangements in the building such that they cannot be easily tampered with? Yes / ~~No~~
- Are there places in your galleries where one may hide oneself? Yes / ~~No~~
- Are there restricted areas or galleries in your museum? ~~Yes~~ / No

Is the administrative block separate from the galleries?

Yes / ~~No~~

Is there an alternative arrangement for lighting when normal electric supply fails?

~~Yes~~ / ~~No~~ for all the buildings

Are there separate switch-boards for galleries, administrative blocks, verandahs and connections outside the museum?

Yes / ~~No~~

Are there fire-alarms and fire-fighting arrangements in the museum? If so, please give details thereof.

Five Extinguishers are provided in all Buildings

Are there C.C. cameras, TVs, burglar-alarms and smoke-detectors?

~~Yes~~ / No

What are the existing safety measures in your museum, viz., grills for windows and ventilators, rolling shutters or collapsible gates to entrances and exits, barbed wire covering the drainage pipes exposed to outside view, barbed wire fencing, flood-lighting, etc.

Grills for windows and ventilators collapsible gates for Bronze Gallery and Children's Museum

Miscellaneous

Did you make any survey before constructing the building?

~~Yes~~ / No

What type?

- Literature survey
- Consultation with the architects
- Field observation
- Other types

Did you evolve a new model of museum building?

~~Yes~~ / No

Do you keep a track of new construction materials that come into the market?

~~Yes~~ / No

Do you prefer to use them in the construction work?

~~Yes~~ / No

Could you please explain a few of them and their merits and demerits?

Construction by P.W.D.

# Prince of Wales Museum

## MUSEUM ARCHITECTURE

### Museum building, its location and exterior

Is the museum located at a conveniently accessible place to the public?  Yes / No

Is it located in the educational quarter of the city?  Yes / No

Is the site selected in conformity with urban development plans?  Yes / No

Is there a landscape design of the building?  Yes / No

Is the museum connected by a public transport system?  Yes / No

Is the museum an independent unit within its compound?  Yes / No

Is the building constructed mainly with the locally available construction materials?  Yes / No

Do you keep in view the socio-economic conditions of the people around, while constructing the museum?  Yes / No  
 To some extent

### Aesthetic aspects of museum building

Is the museum building an imposing architectural feature?  Yes / No

Is it in harmony with the surroundings?  Yes / No

Does it have a monumental looks?  Yes / No

Does it represent any architectural style of a period?

Yes, Indo-Saracenic Style  
19<sup>th</sup> cent.

If yes, could you please name it?  See above.

What are the salient features of the building?

Monumental building, dome, Pillars (Gujarat Jain Temple type) wooden circle (Maratha type). Large doors & windows.

Do you recommend any monumental looks for a new museum building?  Yes / No

If yes, are there any maintenance problems associated with it?  Yes / No  N/A

Do you think an appealing building could attract a visitor to it?  Yes / No

## Museum building as a functional unit

It is a building constructed to house a museum?

Yes / No

Is it based on any model?

Yes / No

How old is it? 72 years

Was it ever reorganized?

Yes / No

Does it need to be?

Yes / No

Is it a building modified to house a museum?

Yes / No

Is it ideal to serve a museum?

Yes / No

Is it housed in a building permanently meant for it?

Yes / No

Could you provide copies of its blueprints?

Yes / No for security reasons

Is the building approved for all its safety measures?

Yes / No

If not, in case of accidents, is the institution liable to pay compensation?

Yes / No N/A

Is the disaster management policy envisaged?

Yes / No

Is there scope for expansion?

Yes / No Not at present

Who does the repair of the building?

John Fleming & Company, India water proofing

Was the architect aware of museum building requirements?

Yes / No

Was he experienced in it?

Yes / No

If no, was he informed of the requirements?

Yes / No N/A

Does the building suit the climatic conditions of the area?

Yes / No

How you deal with the seasonal climatic conditions?

Periodical checking and cleaning.

How ideal are the four main climatic factors - wind, light, heat, and humidity in the building?

None of them are ideal for a museum building. Large windows were designed as cross ventilation was kept in mind not considering the effect of light and other polluting factors on exhibits.

State how you deal the problems concerned with them?

UV filters, Ground glass (top lighting) with felt lining to avoid dust.

Do you face any problem from pollution of any kind?

Yes / No

If yes, please name them.

Air pollution, dust (traffic) noise, .

What are the remedial measures taken?

locked showcases, periodic cleaning etc.

Has the building got a basement?

Yes / No

Is it a storeyed building?

Yes / No

How many stories are there?

two stories

Please give an account of the location of exhibition, service and storage areas.

we have separate exhibition of public area, separate service area, & storage area. But both service & storage area within the museum building, except basement area, and both the areas accessible from the public area.

What is the proportion of the space allocation of

the above mentioned three main areas? 70% allocated for public area, 20% for storage & 10% for service area.

Is the administrative block separate from the galleries?

Yes / No

Likewise, is access to other wings like photographic section, modelling studio, conservation laboratory, cafeteria, library, etc., separate or through the galleries? (Access to service and semi-public areas)

Access through the galleries. we do not have cafeteria.

Are entrances to airconditioning and electrical units independent or through the galleries?

we have no airconditioning unit. Electrical unit through the galleries.

What is the present accommodation of your museum in respect of

- (a) Administrative offices
- (b) Galleries
- (c) Storage space

- (d) Library and photographic collection
- (e) Lecture hall or auditorium
- (f) Laboratory
- (g) Workshops
- (h) Receiving rooms for objects

Are the galleries constructed with a view to exhibit the collections being displayed in them?  Yes / No

*To some extent*  
Was the architect aware of the collection going to be displayed in them? Yes / No

*Maybe to some extent*  
Do you think the architectural requirements of different collections are separate?  Yes / No

Could you please give an account of it concerned to your museum?

*for example, sculpture gallery with large windows and European painting gallery without windows.*

Is the building claustrophobic? Yes /  No

Did you plan to cope up with the future requirements?  Yes / No  
*if possible.*

What is the visitors' occupancy of the building?

*app. 500 - 1000*

Is there a provision for parking of vehicles in the compound?  Yes / No

Is it sufficient? *can be wide*  Yes / No

Is there a separate parking zone for staff vehicles?  Yes / No

Is there a garden in the museum compound?  Yes / No

Is it sufficient for the public to rest? *not intended for rest.*  Yes / No

*now closed for the public in view of the present situation*  
Is there an enquiry/reception counter?  Yes / No

Is there any notice board for the visitors? Yes /  No

Is there a cloakroom?  Yes / No

Is there a public telephone?  Yes / No

Is there a water-cooler/drinking water facility?  Yes / No

Are there toilets?  Yes / No

Is there a cafeteria? Yes / No

Is there a changing room/feeding room for mothers accompanied by small children? Yes / No

Is there a smoking zone for the smokers? Yes / No

Are there special provisions for the handicapped? Yes / No

If yes, please enlist them.

*facility of wheel chair, lift, hydraulic lift*

Is there a key gallery? . Yes / No

Is there an orientation room? *The key gallery serves as place for orientation* Yes / No

Is the visitors' movement planned? *for some galleries* Yes / No

Do you think that the architecture could have an impact on visitors' psychology? Yes / No

How successful is your museum building in captivating the visitors for the required time?

*Very/moderate/less*

Did you use any special materials to serve any specific purposes in the construction of the building? Yes / No

*wooden floor and wooden wall for European painting.*

If yes, please mention them.

*see above.*

Were there any efforts in utilizing any climatic factors like the natural light? *at few places.* Yes / No

Do you have any following natural lighting arrangements. Yes / No

Side lighting Yes / No

Ribbon windows Yes / No

Sun Breakers ~~NO~~

Corner and end lighting Yes / No

Side lighting at a high level Yes / No

Sky light Yes / No

Lantern light Yes / No

Inverted lantern Yes / No

Please state the salient architectural features with reference to tropical climate.

*Large windows and doors for cross ventilation not considering the effect of light and other polluting factors on the museum exhibits.*

#### Museum building and security

Is there a compound wall/fencing around the museum?  
If any, is it unaccessible?

Yes / No

Are the gates of the compound wall/fencing duly provided with locking arrangements?

Yes / No

Are the vulnerable points of entry secure?

Yes / No

Is the building of your museum such that it does not lend itself to easy scaling?

Yes / No

Are the downtake pipes from the roof covered with barbed wire so as not to be easily scaleable?

Yes / No

Is there yard-lighting or flood-lighting around the museum?

Yes / No

Have you any suggestions to make for further strengthening of the external security through museum architecture?

How many thefts have taken place at your museum in the past? Please give details thereof mentioning the number of objects stolen, their approximate value, etc.

Are the windows, ventilators, sky-lights, etc. provide with grills or similar safety devices?

Yes / No

Are the grills strong enough?

Yes / No

Are the grills in keeping with the aesthetics of the building?

Yes / No

Are the locking arrangements in the building such that they cannot be easily tampered with?

Yes / No

Are there places in your galleries where one may hide oneself?

Yes / No

Are there restricted areas or galleries in your museum?

Yes / No

Is the administrative block separate from the galleries? *within the mus. Administrative area is separate* Yes / No

Is there an alternative arrangement for lighting when normal electric supply fails? Yes / No

Are there separate switch-boards for galleries, administrative blocks, verandahs and connections outside the museum? Yes / No

Are there fire-alarms and fire-fighting arrangements in the museum? If so, please give details thereof.

*Smoke detectors, Fire extinguishers at various points.*

Are there C.C. cameras, TVs, burglar-alarms and smoke-detectors? Yes / No

What are the existing safety measures in your museum, viz., grills for windows and ventilators, rolling shutters or collapsible gates to entrances and exits, barbed wire covering the drainage pipes exposed to outside view, barbed wire fencing, flood-lighting, etc.

*Except barbed wire covering the drainage pipes, wire fencing & flood lighting.*

#### Miscellaneous

Did you make any survey before constructing the building? Yes / No

What type? *NOT KNOWN/ NO record as the building was completed in 1914*

- Literature survey       Consultation with the architects  
 Field observation       Other types

*N/A*

Did you evolve a new model of museum building? Yes / No

Do you keep a track of new construction materials that come into the market? Yes / No

Do you prefer to use them in the construction work? Yes / No

Could you please explain a few of them and their merits and demerits?