# **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	:	20th January 1992
Date returned	:	10th Feb, 1992 .

Note: This questionnaire, designed as a document, has been drawn up by R.V. Ramana, University Grant's 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

1

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.
- 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.
- 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.

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# MUSEUM ARCHITECTURE

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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 <del>selected</del> in conformity with <u>urban deve-</u> lopment 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?	
Is the building constructed mainly with the locally available construction materials?	Yes / No The buil ing was construct for NMNH
Do you keep in view the socio-economic conditions of the people around, while constructing the museum?	Yes / Noj
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? Concrete for a	Modern architecture posing, ugly te structure, unsuited museum.
Do you recommend any monumental looks for a new museum building?	Yes / No
If yes, are there any maintenance problems associ- ated with it?	Yes. / No
Do you think an appealing building could attract a visitor to it?	Yes / No

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2 Museum building as a functional unit It is a building constructed to house a museum? No Yes / No Is it based on any model? 20 year How old is it? Yes / No 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? Is it housed in a building permanently meant for Yes / No it? Yes / No Could you provide copies of its blueprints? Is the building approved for all its safetv Yes / No measures? If not, in case of accidents, is the institution Yes / No liable to pay compensation? Is the disaster management policy @nvisaged? Yos / No Is there scope for expansion? Yes / No FICCI, New Dethi Who does the repair of the building? Was the architect aware of museum building require-Yes / No ments? 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 Yes / No the area? Temporary hea How you deal with the seasonal climatic conditions?

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

Do you face any problem from pollution of any kind?

- If yes, please name them.

What are the remedial measures taken?

Has the building got a basement?

Is it a storeyed building?

How many stories are there?

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

Giround Floor: Reception, Temperary Exhibition, Freeze Doy Pres. Lab; I to IV Floors: Exhibition Galleries. V Floor: Reserve Collection, Labs, Jechnical units. VI Floor: Offices, Xibrary, Photography, Art Unit What is the proportion of the space allocation of the above mentioned three main anon? the above mentioned three main areas? Gohnbihin - 60%. Services - 30%. Storage - 10%

Is the administrative block separate from the Yos / No galleries?

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

Separate access for each of the areas.

Are entrances to airconditioning and oloctrical units independent or through the galleries? in service areas; through the gallery in exhibit endent What is the present accommodation of your museum Total Accommodation: S0,000 sqff. in respect of

10% Administrative offices (a)60 %

Galleries (b)

1

10% Storage space (c)

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Yes / No

Dust, 300t, vehricular exhaust

Regular cleaning

appropriate dis

ases.

SIX

Yes / No

Yes / No

Library and photographic collection 5%(d) Lecture hall or auditorium 5% (e) (f) Laboratory 10% Workshops (g) Receiving rooms for objects (h) Are the galleries constructed with a view to exhibit Yes / No the collections being displayed in them? Was the architect aware of the collection going to Yes / No be displayed in them? requirements Do you think the architectural Yes / No of different collections are separate? Could you please give an account of it concerned to your museum? Gallery areas, height, midth-etc shandbe Smitable to house dibramas, thimake exhibits, interactive exhibits etc. for a Natural History Museum. Is the building claustrophobic? ies / No Yes / Did you plan to cope up with the future requirements? an . ntidea What is the visitors' occupancy of the building? Yes / No Is there a provision for parking of vehicles in the compound? Is it sufficient? Yes / No Is there a separate parking zone for staff vehicles? Yes / No Is there a garden in the museum compound? Yos / 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? ۱ċs – / No Are there toilets? Yes / No

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Is there a cafetaria? Yes / No Is there a changing room/feeding room for mothers Yes / No accompanied by small children? 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 / Nr Is the visitors' movement planned? Yeš No Do you think that the architecture could have an Yes / No impact on visitors' psychology?

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 Yes / No specific purposes in the construction of the build-ing?

If yes, please mention them.

Were there any efforts in utilizing any climatic Yes / No factors like the natural light? Do you have any following natural lighting arrange-Yes / No ments. Side lighting Yes / No Ribbon windows Yes / No Sun Breakers (N2) 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.

Nothing parhentar

Museum building and socurity

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

- Are the gates of the compound wall/fencing duly provided with locking arrangements?
- Are the vulnerable points of entry secure?
- Is the building of your museum such that it does not lend itself to easy scaling?
- Are the downtake pipes from the roof covered with barbed wire so as not to be easily scaleable?
- Is there yard-lighting or flood-lighting around the museum?
  - 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 mining thefts / Rs 200

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

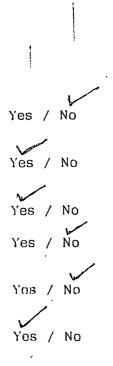
Are the grills strong enough?

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

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

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

--- Are there restricted areas or galleries in your museum?



Yes / No

Yes / No

Yes / No

Yes / No

Yes / No'

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Is the administrative block separate from the galleries?

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

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

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

Fire Extinguishers, Water Lozes etc

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

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 foncing, flood-lighting/ etc.

Watch and Ward Amaunat not architetinal

Miscellaneous

 $\sum_{i=1}^{n}$ 

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

What type?

[	J	Literature survey	l	]	Consultation with the architects	Ì
	]	Field observation	ſ	]	Other types	
I	Did	you evolve a new mod	el c	of	museum building? Yes / N	0
		ou keep a track of come into the market?		/ (	construction materials Yes / N	lo

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

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Yes / No

Yes / No

Yes / No

Yos / No

Yes.



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BANARAS MINDU URIVERSITY, VARAMASE MIST

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.

Encl. apa

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Yours faithfully.

(T.K. BISWAS)

## MUSEUM ARCHITECTURE

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	MUSEUM ARCHITECTURE	
	Museum building, its location and exterior	1
	is the munoum located at a conventently 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 <u>urban deve-</u> lopment plans?	Yes / No
1	Is there a landscape design of the building?	Yes / No
	Is the museum connected by a public transport system?	Yes / No Yes / No Yes / No
	Is the museum an independent unit within its compound?	
	Is the building constructed mainly with the locally available construction materials?	Yes VNo
	Do you keep in view the socio-economic conditions of the people around, while constructing the museum?	Yes / No
	Aesthetic aspects of museum building	1
τ.	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 associ- ated with it?	Yes / No
	; Do you think an appealing building could attract a visitor to it?	Yes / No

Museum building as a functional unit

Yes / No It is a building constructed to house a museum? Yos / No Is it based on any model? Ţ Opened in 1962 How old is it? Yes Was it ever reorganized? Does it need to be? Yes / No 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 / Nov Could you provide copies of its blueprints? Yes / No the building approved for all its safety Is measures? Yés / No If not, in case of accidents, is the institution liable to pay compensation? Is the disaster management policy invisaged? Yos / No Yes / No Is there scope for expansion? Unincenty Work Dept -13HO. Who does the repair of the building? Yes 7 No Was the architect aware of museum building requirements? Yes Y No Was he experienced in it? If no, was he informed of the requirements? Yes / No Yes Y No Does the building suit the climatic conditions of the area? 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 don't the problems concorned with . It is not ideal them? Do you face any problem from pollution of any kind? Yes / No If yes, please name them. . What are the remedial measures taken? Yes / NoL-Has the building got a basement? Yes / No Is it a storeyed building? Tim How many stories are there? Please give an account of the location of exhibition, service and storage space not adequate service and storage areas. What is the proportion of the space allocation of the above mentioned three main areas? Yes / No Through the galleries Is the administrative block separate from the galleries? 1 Likewise, is access to other wings like photographic section, modelling studio, conservation laboratory, cafetaria, library, etc., separate or through the galleries? (Access to service and semipublic areas) Jalleries. Are entrances to airconditioning and electrical units independent or through the galleries? What is the present accommodation of your museum in respect of Administrative offices not adequate. (a) maximum space alloted; there are 11 galleries. Storage space comes resol & the space alloted Galleries (b) (c) Storage space for galleries. i

Library and photographic collection Library is big and situated in a , big gallery. Photo section is separate and in the big Lecture hall or auditorium A gendery is converted into a kethic hall (d)(e) A small place is alloted for it Laboratory (f)There is a Confernity in the premises. ----(g) Workshops Receiving rooms for objects (h) Yes / No 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? requirements Yes / Nd Do you think the architectural of different collections are separate? 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 require-Yes / No ments? What is the visitors' occupancy of the building? Yes / No 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 1/ No Is there a garden in the museum compound? Yes / No Is it sufficient for the public to rest? Yes Y No Is there an enquiry/reception counter? Yes 7 No Is there any notice board for the visitors? Is there a cloakroom? Yes / No / Yes / Not Is there a public telephone? Yes Y No Is there a water-cooler/drinking water facility? Yes Y No Are there toilets?

i Yes / No Is there a cafetaria? Is there a changing room/feeding room for mothers Yes / No~ accompanied by small children? Is there a smoking zone for the smokers? Yes / No Yes Y No Are there special provisions for the handicapped? Wheel chain If yes, please enlist them. ī Yes' / No Is there a key gallery? Is there an orientation room? Yes / No Is the visitors' movement planned? Yes / Nov Do you think that the architecture could have an Yes / No impact on visitors' psychology? How successful is your museum building in capti-Adequate vating the visitors for the required time? succesto Very/moderate/less Did you use any special materials to serve any Yes / No specific purposes in the construction of the building? . Damp-proof meterials for foundation. If yes, please mention them. Were there any efforts in utilizing any climatic Yes / Notfactors like the natural light? Do you have any following natural lighting arrange-Yes / No ments. Side lighting Yes / No Ribbon windows Yes / No Sun Breakers 100 Corner and end lighting Yes / No Side lighting at a high level Yes / No Sky light Yes / NCH Lantern light Yes / No. Inverted lantern Yes / No

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

### Museum building and security

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- Is there a compound wall/fencing around the museum? If any, is it unaccessible?
  - Are the gates of the compound wall/fencing duly provided with locking arrangements?
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- Are the downtake pipes from the roof covered with barbed wire so as not to be easily scaleable?
- Is there yard-lighting or flood-lighting around the museum?
- llave 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?
- Are the grills strong enough?
- Are the grills in keeping with the aesthetics of the building?
- Are the locking arrangements in the building such that they cannot be easily tampered with?
- Are there places in your galleries where one may hide onself?
- Are there restricted areas or galleries in your museum?

Yes No LAN Yes / No

Yes No Yes / No

Yes / No Yes 7 No

No.

Yes No Yes / No Yes / No Yes / No

Yes / No

Yes No

ls the administrative block separate from the Yos / No galleries? Yes / No Is there an alternative arrangement for lighting when normal electric supply fails? in a respicted area Are there separate switch-boards for galleries, admi-Yes / No nistrative blocks, verandahs and connections outside the museum? 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 Yes / No smoke-detectors? 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 <sup>1</sup>the Yes / No building? What type? IY Consultation with the [ ] Literature survey architects [ ] Field observation [] Other types Did you evolve a new model of museum building? Yes / No Yes / No Do you keep a track of new construction materials that come into the market? 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. Dhollia
Designation	:	Director Deptt. of Museums. Gout. of Giv.
Years of experience	:	<u>30. yeans.</u>
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 Conmission, Senior Research Fellow, working on museum management at the Department of Museology, Baroda.

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### Methods used in the Questionnaire

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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.

- Most questions are Yes/No questions to be inswered by the deletion of a word.
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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 Shi Dabal jor Shi Dholkia in Josenie

MUSEUM ARCHITECTURE		
Museum building, its location and exterior	1	
Is the museum located at a conveniently according place to the public?	essiblo	Yes /
Is it located in the educational quarter of the	city?	Yes /
Is the site selected in conformity with urban lopment plans?	deve-	Yes /
Is there a landscape design of the building?		Yes /
Is the museum connected by a public transverse.	ansport	Yes /
Is the museum an independent unit with compound?	in its	Yes /
Is the building constructed mainly with the available construction materials?	locally	Yes /
Do you keep in view the socio-economic cor of the poople around, while constructin museum?		Yes /
Aesthetic aspects of museum building		·
Is the museum building an imposing archit feature?	toctural	Yes /
Is it in harmony with the surroundings?		Yes,
Does it have a monumental looks?		Yes ,
Does it represent any architectural style period?	of a	
1.121	Kanatran e	
If yes, could you please name it?		
Indo - Sanacenic		
What are the salient features of the building?	<b>.</b>	
Do you recommend any monumental looks for museum building?	a new	Yes
If yes, are there any maintenance problems ated with it?	associ-	Yes
Do you think an appealing building could	attract	Yes

'Museum building as a functional unit

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	It is a building constructed to house a museum?	Yes / No
	Is it based on any model?	Yes / No
ı	How old is it?	98 pm
	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 divisaged?	<del>Nos</del> / No
	Is there scope for expansion?	Yes / No
	Who does the repair of the building?	
	,	
	Was the architect aware of museum building require- ments?	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 aroa?	Yos / No
	How you deal with the seasonal climatic conditions?	

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

1 / ,

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. What are the remedial measures taken? Has the building got a basement? No Yes Is it a storeyed building? Yos, / No 1 How many stories are there? Please give an account of the location of exhibition, service and storage areas. 1  $\langle$ What is the proportion of the space allocation of the above mentioned three main areas? Is the administrative block separate from the Yes / No. galleries? Likewise, is access to other wings like photographic section, modelling studio, conservation laboratory, cafetaria, library, etc., separate or through the galleries? (Access to service and semipublic areas) Ape entrances to airconditioning and electrical units independent or through the galleries? What is the present accommodation of your museum in respect of Administrative offices (a) (b) Galleries (C) Storage sphce

- (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?

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

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

Could you please give an account of it concerned to your museum?  $_{\rm c}$ 

Is the building claustrophobic? Yes /-No Did you plan to cope up with the future requirements?

What is the visitors' occupancy of the building?

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

- Is it sufficient?
- Is there a separate parking zone for staff vehicles? Yes / No YOS / NO Is there a garden in the museum compound? Is it sufficient for the public to rest? Yes / No Yos / No Is there an enquiry/reception counter? Yes / No Is there any notice board for the visitors? Is there a cloakroom? Yes / No Is there a public telephone? Yes / No Yes / No Is there a water-cooler/drinking water facility?

Are there toilets?

pd public

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Yes / No

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5 Yos / No Is there a cafetaria? Is there a changing room/feeding room for mothers Yes / Nd ---accompanied by small children? 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 Yes / No Is there an orientation room?  $\nu \lambda$ Is the visitors' movement planned? Yes / No Do you think that the architecture could have an Yes / No impact on visitors' psychology? 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 No Yes specific purposes in the construction of the building? If yes, please mention them. Were there any efforts in utilizing any climatic Yes / No factors like the natural light? Do you have any following natural lighting arrange-Yés / No ments. Side lighting Yes / No Ribbon windows Yesy / No Sun Breakers Corner and end lighting Yes / No Side lighting at a high level 108 / No Sky light YOS / NO Lantern light Yes / Nó Inverted lantern Yes / No

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

## Museum building and security

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

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

Are the vulnerable points of entry secure?

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

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

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

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?

Are the grills strong enough?

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

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

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

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

Yes / No

Yes / No

Yes / No

Yos / No

Yes / No

 $\checkmark$ 

 $\checkmark$ 

Is the administrative block separate from the galleries?

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

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

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?

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

1

Did you make any survey before constructing the building?

1

What type?

[	]	Literature survcy	[]	Consultation with th architects	10
Г	٦	Field observation			
L	L		[]	Other types	

Did you evolve a new model of museum building?

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

Do you prefer to use them in the construction work?

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

# .

Yes / No

Yes / No Yes / No Yes / No

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Yes / No

Yes / No

Yes / No

Yes

No



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BIRLA INDUSTRIAL AND TECHNOLOGICAL MUSEUM NATIORAL COUNCIL OF BCIENCE MUSEUMS 10A, GUNUBARAY NGAD CALCUITA-JOU 810 GOVT. OF INDIA बिड्ला शौद्योगिक तथा प्रौद्योगिक संग्रहालय राष्ट्रीय विज्ञान सत्रहालय परिषद १९९, गुरुसदय रोड. कलकत्ता-७०००१९ भारत सरकार PHONE : 47-7241 (3 LINES) /47-6102 (Direct) GRAM : TECHMUSEUM TELEX : 0217723 BITM IN

۔ محمد محمد محمد محمد محمد محمد محمد م

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

Dated 20th February, 19 92.

Dear Shri Ramana,

I am enclosing herewith filled up quostionnaire 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,

Encl: as above

Yours sincerely, T (S. GOSWAMY)

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

## MUSEUM ARCHITECTURE

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| 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 deve-<br>lopment plans?                                        | 1/ 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<br>of the people around, while constructing the<br>museum? | Yes / Nes              |
| Aesthetic aspects of museum building                                                                         |                        |
| Is the museum building an imposing architectural feature?                                                    | Yes / . <del>v</del> ó |
| Is it in harmony with the surroundings?                                                                      | act No                 |
| Does it have \land 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?                                             | ຼາອ <sup>*</sup> / No  |
| If yes, are there any maintenance problems associ-<br>ated with it?                                          | Yeș / No               |
| Do you think an appealing building could attract<br>a visitor to it?                                         | Yes /                  |
|                                                                                                              |                        |

Museum building as a functional unit It is a building constructed to house a museum? / No Is it based on any model? / No 60 300. How old is it? ° / No Was it ever reorganized? Does it need to be? Yes / Is it a building modified to house a museum? Yes / 🔅 Is it ideal to serve a museum? 1 Non is it housed in a building permanently meant for Yes / it? Could you provide copies of its blueprints? building approved Yes / for all its safety Is the measures? Ć If not, in case of accidents, is the institution Yes / No liable to pay compensation? Is the disaster management policy envisaged? / No  $\sim$  Is there scope for expansion? / No Who does the repair of the building? Was the architect aware of museum building requirements? Yos / No N.A Was he experienced in it? M.A. Yes / No If no, was he informed of the requirements? Yes / ' ... Does the building suit the climatic conditions of the area? Wothing special How you deal with the seasonal climatic conditions? 5 required! 1 It is is willed for 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? Do you face any problem from pollution of any kind? Yes / web Smoke & smind: Wothing. If yes, please name them. What are the remedial measures taken? 58 1 / No Has the building got a basement? Yes / 1 . . . · Is it a storeyed building? 3 How many stories are there? 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 galleries? YLOSPIT / NO the Likewise, is access to other wings like photo-Sebarolt graphic section, modelling studio, conservation laboratory, cafetaria, library, etc., separate or through the galleries? (Access to service and semipublic areas) Are entrances to airconditioning and electrical units independent or through the galleries? What is the present accommodation of your museum in respect of 2000 Sarft. (a) Administrative offices 60,000 Sav At . (b) Galleries 5,000 Souft. Storage space (C) 11

| 5 |                                                                                               | 4           |
|---|-----------------------------------------------------------------------------------------------|-------------|
| A | (d) Library and photographic collection                                                       | 5000        |
|   | (e) Lecture hall or auditorium                                                                | 3000        |
|   | (f) Laboratory                                                                                |             |
|   | (g) Workshops                                                                                 | 18,000      |
| l | (h) Receiving rooms for objects                                                               | 3000        |
|   | Are the galleries constructed with a view to exhibit the collections being displayed in them? | '/ No       |
| k | Was the architect aware of the collection going to<br>be displayed in them?                   | No / No     |
|   | Do you think the architectural requirements of different collections are separate?            | Yes /       |
|   | Could you please give an account of it concerned to your museum?                              |             |
|   |                                                                                               |             |
|   | Is the building claustrophobic? $\mathcal{L}$                                                 | Yes /       |
|   | Did you plan to cope up with the future require-<br>ments?                                    | Yes / 🤌     |
|   | What is the visitors' occupancy of the building?                                              |             |
|   | Is there a provision for parking of vehicles in the compound?                                 | Yes /       |
|   | Is it sufficient?                                                                             | 5 / No      |
|   | Is there a separate parking zone for staff vehicles?                                          | Yes /       |
| ŀ | Is there a garden in the museum compound?                                                     | Yos / .*    |
|   | Is it sufficient for the public to rest?                                                      | , / No      |
| / | Is there an enquiry/reception counter?                                                        | Yns /*      |
|   | Is there any notice board for the visitors?                                                   | Yes /       |
|   | Is there a cloakroom?                                                                         | Yos / .     |
|   | Is there a public telephone?                                                                  | Yes / :-    |
|   | Is there a water-cooler/drinking water facility?                                              | Yes / D     |
|   | And there toilets?                                                                            | Yes / · ··· |
|   |                                                                                               | /           |

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| Is there a cafetaria?                                                                                  | 5<br>Yos / V       |
|--------------------------------------------------------------------------------------------------------|--------------------|
| 4 is there a changing room/feeding room for mothers                                                    | No                 |
| Is there a smoking zone for the smokers?                                                               | , 🥪 / No           |
| Are there special provisions for the handicapped?                                                      | ener / No          |
| If yes, please enlist them.                                                                            |                    |
| · .                                                                                                    |                    |
| Is there a key gallery?                                                                                |                    |
| Is there an orientation room?                                                                          | No                 |
| Is the visitors' movement planned?                                                                     | Yes / IN           |
| Do you think that the architecture could have an impact on visitors' psychology?                       | Yes / wor          |
| How successful is your museum building in capti-<br>vating 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 build-ing? | Yes / No 🙌 🗛       |
| If yes, please mention them.                                                                           | ,<br>,             |
| Were there any efforts in utilizing any climatic factors like the natural light?                       | Yos / Lee          |
| Do you have any following natural lighting arrange-<br>ments.                                          | Yes / Nor          |
| Side lighting                                                                                          | Yes / No           |
| ( Ribbon windows                                                                                       | Yes / No           |
| Sun Breakers Corner and end lighting                                                                   | Non ( W            |
| .Side lighting at a high level                                                                         | Yes / 🔆<br>Yes / 🖓 |
| Sky light                                                                                              | Yes / Con          |
| Lantern light                                                                                          | with No            |
| A Inverted lantern                                                                                     | / No               |
|                                                                                                        | i ,                |

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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 / we have four for the second second

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

Are the vulnerable points of entry secure?

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

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

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

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.

2 cases object worth AS150001= Un total

Yes /

Yes / 🕬 '

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

Are the grills strong enough?

Are the grills in keeping with the aesthetics of Yes / 3000 the building?

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

Are there places in your galleries where one may Yes / hide onself?

li.

Yes / 🐃

Yes / .

Yes / ' '

• / No

Yes / - C

Is the administrative block separate from the galleries?

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

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

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?

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.

123 fireex 👾 1 / No

barbed where

### Miscellaneous

.....

n: 4

| building?                                                                    | Yes / No NOA |
|------------------------------------------------------------------------------|--------------|
| 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?        |              |
|                                                                              | ļ            |

7

Yes / --

Yos /

Yes / M

प्रेजन्म, निदेशन्म, राज्य संग्रहालय, लखनज्य

सेवा में,

श्री आ रु० बी० रमन, डिपाटमेंट आ फ म्यू जियाँलाजी, फेकेल्टी आ फ आ ट, एम0 एस0 यू निवसिटी, बड़ा दा- 390002

•

सं0 1179 /तृतीय - 17( Ø )/91-92 दिनाक Ø फरवरी, 1992 विषाय - संग्रहालय प्रश्नीत्तरी का पूर्ण करने के बाद वा पसी।

महा दय,

3

आप इवारा ग्रेजित संग्रहालय विधान से सम्बन्धित प्रज्ञोत्तरी के उत्तर भिगजवाये जा रहे है तथा साथा में संग्रहालय की लघा पुस्तिका भी संलग्न है। २२१०/गर् संलग्नक-उपरोक्तानुसार।

-बदीग्र তি ি कमार रस्त शलन्द्र सहायक निवेशक कृत निवेशक

• 1.12 × • .

# QUESTIONNAIRE"

| Name of the respondent | : | AZ. SHALLFADRA KUDLAR RASIOGI - |
|------------------------|---|---------------------------------|
| Designation            | : | ASSISTANT DIRECTOR.             |
| Years of experience    | : | 27-14 y-e'rs                    |
| 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 inswered by the deletion of a word.
- 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.

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## MUSEUM ARCHITECTURE

|             | Museum building, its location and exterior                                                                   | ï                      |
|-------------|--------------------------------------------------------------------------------------------------------------|------------------------|
|             | Is the museum located at a conveniently accessible place to the public?                                      | Yos / No-              |
|             | Is it located in the educational quarter of the city?                                                        | Yes / No-              |
|             | Is the site selected in conformity with <u>urban deve-</u><br>lopment plans?                                 | Yes / <del>No.</del>   |
|             | Is there a landscape design of the building?                                                                 | Yes / <del>No</del>    |
|             | Is the museum connected by a public transport system?                                                        | - <del>Y06</del> -/ No |
|             | Is the museum an independent unit within its compound?                                                       | <del>. Yes</del> / No  |
|             | Is the building constructed mainly with the locally available construction materials?                        | Yes / No               |
| al tablity? | Do you keep in view the socio-economic conditions<br>of the people around, while constructing the<br>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 / Ne-              |
|             | Does it have a monumental looks?                                                                             | -Yes / No              |
| h           | 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 / <del>No-</del>   |
|             | If yes, are there any maintenance problems associ-<br>ated with it?                                          | Yes / <del>No</del>    |
|             | Do you think an appealing building could attract a visitor to it?                                            | Yos / No-              |
| ,           |                                                                                                              | _                      |

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Museum building as a functional unit

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| ¥ I        | h is a building constructed to house a museum?                               | Yes / No_,              |
|------------|------------------------------------------------------------------------------|-------------------------|
| <b>ب</b> ۲ | is it based on any model?                                                    | - <del>/</del> No       |
|            | How old is it?                                                               | 1963                    |
| 1          | Was it ever reorganized?                                                     | Yes / No- 19 <b>6</b> 8 |
| ¥          | Does it need to be?                                                          | Yes / <del>No</del>     |
|            | Is it a building modified to house a museum?                                 | <del>,Yes_/</del> No    |
| ¥X         | Is it ideal to serve a museum?                                               | . <del>Yes-/</del> No   |
|            | Is it housed in a building permanently meant for it?                         | Yes / -Ne-              |
| Ķ          | Could you provide copies of its blueprints?                                  | Yes / Na                |
|            | Is the building approved for all its safety measures?                        | Yes / No                |
|            | If not, in case of accidents, is the institution liable to pay compensation? | <u>-Yes</u> No          |
|            | Is the disaster management policy <b>Q</b> nvisaged?                         | Yes / No-               |
| : ** X     | Is there scope for expansion?                                                | <del>Yes-</del> / No    |
| ,          | Who does the repair of the building?                                         |                         |
|            | Was the architect aware of museum building require-<br>ments?                | _Yes / No               |
|            | Was he experienced in it?                                                    |                         |
|            | If no, was he informed of the requirements?                                  | Yes-/ No                |
|            | Does the building suit the climatic conditions of the area?                  | Yes-/ Ng                |
|            |                                                                              |                         |

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How you deal with the seasonal climatic conditions? 1

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

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State how you deal the problems concerned with them?

Do you face any problem from pollution of any kind?

Durt, dirt

If yes, please name them.

1

What are the remedial measures taken?

Has the building got a basement?

Is it a storeyed building?

How many stories are there?

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?

Likewise, is access to other wings like photographic section, modelling studio, conservation laboratory, cafetaria, library, etc., <u>separate</u> or <u>through</u> the galleries? (Access to service and semipublic areas) <del>,Yos</del>-/ No

semi lu

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



1

Yes / No 108-1 NO

Yes / No

Jun Storus and Iwo Maya

3

(e) Lecture hall or auditorium
(f) Laboratory
(g) Workshops
(h) Receiving rooms for objects

Library and photographic collection

(d)

1

Are the galleries constructed with a view to exhibiting Yes / .No-7 the collections being displayed in them? X Was the architect aware of the collection going to X06 / NO be displayed in them? think the architectural requirements Do you of Yes / No different collections are separate? Could you please give an account of it concerned to your museum?  $\langle$ Is the building claustrophobic? Yes / No Did you plan to cope up with the future require-Yes / No ments? What is the visitors' occupancy of the building? Yes / No-Is there a provision for parking of vehicles in the compound? ₩ X Is it sufficient? Yos\_/ 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? Yos / No-Is there an enquiry/reception counter? Yes / No- $\chi$  [ Is there any notice board for the visitors? Jes No Is there a cloakroom? Yes / No-Is there a public telephone? Yas /. No Yes / No Is there a water-cooler/drinking water facility? Yes / No\_ Are there toilets?

|     |                                                                                                        | 5                     |
|-----|--------------------------------------------------------------------------------------------------------|-----------------------|
|     | ls there a cafotaria?                                                                                  | -Y-08-/ No            |
|     | Is there a changing room/feeding room for mothers accompanied by small children?                       | Jes No                |
|     | Is there a smoking zone for the smokers?                                                               | Yes 7 No              |
| - f | Are there special provisions for the handicapped?                                                      | Yes / No-             |
|     | If yes, please enlist them.                                                                            | rift                  |
|     | Is there a key gallery?                                                                                | Yes / No              |
|     | Is there an orientation room?                                                                          | Yes / No              |
|     | Is the visitors' movement planned?                                                                     | Yes / No              |
| ł   | Do you think that the architecture could have an impact on visitors' psychology?                       | Yos / No              |
|     | How successful is your museum building in capti-<br>vating 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 build-ing? | <del>_¥es-</del> / No |
|     | If yes, please mention them.                                                                           |                       |
| 1   | Were there any offorts in utilizing any climatic factors like the natural light?                       | Yes / No-             |
| ł   | Do you have any following natural lighting arrange-<br>ments.                                          | Yes-/ No              |
| ſ   | Side lighting                                                                                          | <del>,Yes</del> / No  |
| 0   | Ribbon windows                                                                                         | Yos-/ No              |
|     | Sun Breakers                                                                                           |                       |
|     | Corner and end lighting                                                                                | 105 / No              |
|     | Side lighting at a high level                                                                          | Yos / No              |
|     | Sky light                                                                                              | Y08-/ NO              |
|     | Lantern light                                                                                          | Yes-/ No              |
|     | Inverted lantern                                                                                       | Yers / No             |
|     |                                                                                                        |                       |

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

#### Museum building and security

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Is there a compound wall/fencing around the museum? Yes / No If any, is it unaccessible? ļ Are the gates of the compound wall/fencing duly .Yes-/ No provided with locking arrangements? Yes / No-Are the vulnerable points of entry secure? Is the building of your museum such that it does Yes / No not lend itself to easy scaling? Are the downtake pipes from the roof covered with Yes / No barbed wire so as not to be easily scaleable? Is there yard-lighting or flood-lighting around the Yes / No. museum? · \_ 1 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 me silver Pot in the past? Please give details thereof mentioning was stolen Och 1-4-1 the number of objects stolen, their approximate value, etc. 1-4-196 ۱., Are the windows, ventilators, sky-lights, etc. Yos / Noprovide with grills or similar safety devices? Are the grills strong enough? Yes / NOT Are the grills in keeping with the aesthetics of Yes / Nothe building? Are the locking arrangements in the building such Yes / No that they cannot be easily tampered with? 1 Are there places in your galleries where one may Yes / No hide onself?

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

li-

| X   | Is the administrative block separate from the galleries? .                                                                                                                                                                                                                               | jus-/ No |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| ×   | Is there an alternative arrangement for lighting when normal electric supply fails?                                                                                                                                                                                                      | Yes 7 No |
| * ¥ | Are there separate switch-boards for galleries, admi-<br>nistrative blocks, verandahs and connections outside<br>the museum?                                                                                                                                                             | YC8 / NO |
| 9   | Are there fire-alarms and fire-fighting arrangements<br>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,<br>viz., grills for windows and ventilators, rolling<br>shutters or collapsible gates to entrances and exits,<br>barbed wire covering the drainage; pipes exposed<br>to outside view, barbed wire fencing, flood-lighting,<br>etc. |          |
|     | Miscellaneous                                                                                                                                                                                                                                                                            |          |
| rf  | 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 |
|     | Do you prefer to use them in the construction work?<br>Could you please explain a few of them and their<br>merits and demerits?                                                                                                                                                          | Yes / No |

بر

### DEPARTMENT OF MUSEUMS

From

To

The Director of Museums, Government Museum, Egmore, Madras-8. Thiru R.V.Ramana, Research Fellow, Department of Museology, Faculty of Fine Arts, M.S. University, BARODA - 390 002 INDIA.

1

Lr.No. 633/92/G4 dated 6.3.92

Dear Sir,

Sub: Request to fill the questionnaire. Ref: Your letter dated 23.1.92.

۰.

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

Yours faithfully,

-1/71-20-5

for Director.

2000 14131m

Encl: Questionnaire.

vs.

# QUESTIONNAIRE

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| Name of the respondent | : | M RAMAN, I.A.S.,     |
|------------------------|---|----------------------|
| Designation            | : | DIRECTOR OF AWSEUMS, |
| Years of experience    | : |                      |
| Date sent out          | : | 20th January 1992    |
| Date returned          | : |                      |
|                        |   | E .                  |

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 Muscelegy, 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 guestions are Yes/No questions to be answered by the deletion of a word.
- 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.

i

#### MUSEUM ARCHITECTURE

#### Museum building, its location and exterior

|     | Is the museum located at a conveniently accessible place to the public?                                      | Yos / Ana |
|-----|--------------------------------------------------------------------------------------------------------------|-----------|
|     | Is it located in the educational quarter of the city?                                                        | Yes / No  |
|     | Is the site selected in conformity with <u>urban deve-</u><br>lopment plans?                                 | Yes / 🏍   |
| χ   | Is there a landscape design of the building?                                                                 | 寧s / No   |
| / - | Is the museum connected by a public transport system?                                                        | Yes / 👫   |
| Y!  | Is the museum an independent unit within its compound?                                                       | ¥Ģes,∕No  |
|     | Is the building constructed mainly with the locally available construction materials?                        | Yes / NÁ  |
|     | Do you keep in view the socio-economic conditions<br>of the people around, while constructing the<br>museum? | Yes / 🖽.  |
|     | Aesthetic aspects of museum building                                                                         |           |
|     | Is the museum building an imposing architectural feature?                                                    | Yes / 🛻   |
| K.  | Is it in harmony with the surroundings?                                                                      | HER / NO  |
|     | Does it have a monumental looks?                                                                             | ves / NG- |
|     | Does it represent any architectural style of a period?                                                       | yes/-n=   |

If yes, could you please name it? MoGUAL.

What are the salient features of the building? Jhere are Six Buildings. Natural History Section, Anthropological Gullery, Bronge Gullery, National Art Gallery; Gallery of Contemporary Art, Children's Museum Do you recommend any monumental looks for a new Yes / Her museum building? If yes, are there any maintenance problems associ- Yes / Her ated with it? Do you think an appealing building could attract Yes / Her a visitor to it?

-----

|              |                                                                                             |                   | ۱ )<br>ها       |                           |
|--------------|---------------------------------------------------------------------------------------------|-------------------|-----------------|---------------------------|
| Museu        | n building as a functional unit                                                             |                   |                 |                           |
| INIK         | a building constructed to house a museum?                                                   | X <del>XX</del> / | No              |                           |
|              | based on any model?                                                                         | xxx /             |                 |                           |
|              |                                                                                             |                   |                 |                           |
|              | t ever reorganized?                                                                         | Yes /             | No.             |                           |
|              | it need to be?                                                                              |                   |                 |                           |
| ,            |                                                                                             | Yes /             |                 | ·                         |
| ,            | a building modified to house a museum?                                                      | XXX /             |                 |                           |
| Is it        | ideal to serve a museum?                                                                    | xixx /            | No              |                           |
| Is il<br>it? | housed in a building permanently meant for                                                  | Yes /             | Detox<br>i      |                           |
| Could        | you provide copies of its blueprints? with P.W.D                                            | . Yor /           | No              |                           |
| Is<br>measu  | the building approved for all its safety<br>ures?                                           | ාරාන /            | No              |                           |
|              | ot, in case of accidents, is the institution<br>e to pay compensation?                      | XOSX /            | / No            |                           |
| Is th        | ne <u>disaster management</u> policy @nvisaged?                                             | XOSX /            | / No            |                           |
| Is th        | nere scope for expansion?                                                                   | Yes ,             | / <b>3506</b> - | ,                         |
| Who          | does the repair of the building? PUBLIC WORKS D<br>GOVERNMENT OF                            |                   |                 | •                         |
| Was<br>ment  | the architect aware of museum building require-<br>s?                                       |                   | / No            | no<br>archi-              |
| Was          | he experienced in it?                                                                       | Yos               | / No§           | archi-<br>tect as<br>such |
| If n         | o, was he informed of the requirements?                                                     |                   | / No            |                           |
|              | the building suit the climatic conditions of area?                                          | Yes               | / Nacox         |                           |
| How          | you deal with the seasonal climatic conditions? $$ N                                        | lo pre<br>tak     |                 | on is                     |
|              | 1                                                                                           |                   |                 | }                         |
| How<br>wind  | ideal are the four main climatic factors –<br>J, light, heat, and humidity in the building? | Humi<br>due t     |                 | is more                   |

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3 State how you deal the problems concerned with them? Yes / Nex Do you face any problem from pollution of any kind? 1 If yes, please name them. Dust, humidity etc. What are the remedial measures taken? For dust cleaning Yes / No There Has the building got a basement? lare 6 Yos / No separate Is It a storeyed building? building Scatter-How many stories are there? ≬ed all Nothing Special 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 Yes / NM. galleries? Likewise, is access to other wings like photographic section, modelling studio, conservation laboratory, cafetaria, library, etc., separate or Separate through the galleries? (Access to service and semipublic areas) , Are entrances to airconditioning and electrical units No airconditioning independent or through the galleries? Electrical units through the galleries What is the present accommodation of your museum in respect of Administrative offices (a) Insufficient (b) Galleries (C) Storage space

| ي<br>ب       | (d) Library and photographic collection no proper                                             | <u> </u>                              |
|--------------|-----------------------------------------------------------------------------------------------|---------------------------------------|
|              | (e) Lecture hall or auditorium                                                                | Ĭ                                     |
|              | (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? | <b>¥-2¥6¥</b> ∕ No                    |
|              | Was the architect aware of the collection going to be displayed in them?                      | XXX / NXO<br>Architect                |
|              | Do you think the architectural requirements of different collections are separate?            | Yes / 💥 x                             |
| P            | Could you please give an account of it concerned to your museum?                              | - <u>-</u>                            |
|              | Is the building claustrophobic?                                                               | `xexsx ∕ No                           |
| X            | Did you plan to cope up with the future require-<br>ments?                                    | ¥αxαχ / Νο                            |
| X            | What is the visitors' occupancy of the building?                                              | Crowded                               |
|              | Is there a provision for parking of vehicles in the compound?                                 | Yes / 🏎                               |
| $\lambda$    | Is it sufficient?                                                                             | <b>ххх</b> / No                       |
| 'γ           | ls there a separate parking zone for stalf vehicles?                                          | XRX / NO                              |
|              | Is there a garden in the museum compound?                                                     | Yes / XXX                             |
|              | is it sufficient for the public to rest?                                                      | Yes / <b>XXX</b>                      |
|              | Is there an enquiry/reception counter?                                                        | Yes / NKXX                            |
|              | Is there any notice board for the visitors?                                                   | Yes / XXX9                            |
| $\checkmark$ | Is there a cloakroom?                                                                         | <b>X%X</b> / No                       |
| []           | Is there a public telephone?                                                                  | o <sup>N</sup> \ <del>&amp;</del> \$x |
| l            | ls there a water-cooler/drinking water facility?                                              | Yes / NACK                            |
|              | Are there toilets?                                                                            | Yes / xNxx                            |

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|----------------------------------------------------------------------------------|-------------------|
| Is there a cafetaria?                                                            | Yes XXX           |
| Is there a changing room/feeding room for mothers accompanied by small children? | <b>¥x3¥×X</b> /No |
| $\times$ Is there a smoking zone for the smokers?                                | XXX / No          |
| Are there special provisions for the handicapped?                                | <b>Xx⊛x</b> ∕No   |
| If yes, please enlist them.                                                      |                   |
| Is there a key gallery?                                                          | XXXX / No         |
| $\chi$ Is there an origination room?                                             | XXXXX / No        |
| Is the visitors' movement planned?                                               | Xoxsx / No        |

impact on visitors' psychology?

How successful is your museum building in capti-vating the visitors for the required time?

# Very/moderate/less.

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Did you use any special materials to serve any specific purposes in the construction of the build-XX85X / NO ing?

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If yes, please montion them.

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| Woro there any efforts in utilizing any climatic              | XXXXXX No     |
|---------------------------------------------------------------|---------------|
| [ factors like the natural light?                             |               |
| Do you have any following natural lighting arrange-<br>ments. | Yes / Ma      |
| Side lighting                                                 | Yes / 👷       |
| Ribbon windows                                                | Yeesax∕No     |
| Sun Breakers                                                  |               |
| Corner and end lighting                                       | Yeasex / No   |
| Side lighting at a high level                                 | Yacansax∕No   |
| Sky light                                                     | ¥x3≫sx/No     |
| Lantern light                                                 | YERSX / NO    |
| Inverted lantern                                              | XXXXXISS / No |

Please state the salient architectural features with reference to tropical climate. 1 Museum building and security Yes / 👯 Is there a compound wall/fencing around the museum? If any, is it unaccessible? Are the gates of the compound wall/fencing duly Yes / Noprovided with locking arrangements? Yes / xxx Are the vulnerable points of entry secure? Is the building of your museum such that it does Yes / NR not lend itself to easy scaling? Are the downlake pipes from the roof covered with barbed wire so as not to be easily scaleable? XXXX / NO Is there yard-lighting or flood-lighting around the Yes / Nxx museum? 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. Yes / Ng provide with grills or similar safety devices? Are the grills strong enough? Yes / Ng Are the grills in keeping with the aesthetics of Yes / the the building? Are the locking arrangements in the building such Yes / XXX that they cannot be easily tampered with? Are there places in your galleries where one may Yes / XXX hide onself? ' Are there restricted areas or galleries in your XXXX / NO museum? ~

|                                                                                                                                                                                                                                                                                         | 7                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| is the administrative block separate from the galleries?                                                                                                                                                                                                                                | Yes / 2006-                                                                                              |
| Is there an alternative arrangement for lighting when normal electric supply fails?                                                                                                                                                                                                     | the building                                                                                             |
| Are there separate switch-boards for galleries, admi-<br>nistrative blocks, verandahs and connections outside<br>the museum?                                                                                                                                                            | Yes ∕ <b>₂kka</b> .                                                                                      |
| Are there fire-alarms and fire-fighting arrangements<br>in the museum? If so, please give details thereof.                                                                                                                                                                              | Fire Extinguishier a<br>provided in all Rud                                                              |
| Are there C.C. cameras, TVs, burglar-alarms and smoke-detectors?                                                                                                                                                                                                                        | ₩₩¥¥./ N()                                                                                               |
| What are the existing safety measures in your museum,<br>viz., grills for windows and ventilators, rolling<br>shutters or collapsible gates to entrances and exits,<br>barbed wire covering the drainage pipes exposed<br>to outside view, barbed wire fencing, flood-lighting,<br>etc. | Grills <b>and</b> wind<br>and ventilator<br>collapsible ga<br>for Bronze Gal<br>and Children's<br>Museum |
| Miscellaneous,<br>Did you make any survey before constructing the<br>building?                                                                                                                                                                                                          | ` <b>X∵ax</b> ∕No                                                                                        |
| What type?                                                                                                                                                                                                                                                                              |                                                                                                          |
| [] Literature survey [] Consultation with the                                                                                                                                                                                                                                           | ,                                                                                                        |
| [] Field observation [] Other types                                                                                                                                                                                                                                                     |                                                                                                          |
| Did you evolve a new model of museum building?                                                                                                                                                                                                                                          | Yaccent / No                                                                                             |
| Do you keep a track of new construction materials that come into the market?                                                                                                                                                                                                            | <b>Άιχα</b> / Νο                                                                                         |
| Do you prefer to use them in the construction work?                                                                                                                                                                                                                                     | XXXXXX / No                                                                                              |
| Could you please explain a few of them and their                                                                                                                                                                                                                                        |                                                                                                          |
| merits and demerits?                                                                                                                                                                                                                                                                    | Construction<br>by P.W.D.                                                                                |

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Prince of water Museum

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### MUSEUM ARCHITECTURE

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# Museum building, its location and exterior

| 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 <u>urban deve-</u><br>lopment 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?                                                                                                                                                 |                                        |
| Is the building constructed mainly with the locally available construction materials?                                                                                                                  | Yes / No                               |
| Do you keep in view the socio-economic conditions<br>of the people around, while constructing the<br>museum?                                                                                           | Yes / No<br>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?<br>Yes, Indo-Sanacenic Style                                                                                                                    |                                        |
| 19th cant.                                                                                                                                                                                             |                                        |
| If yes, could you please name it? See above.                                                                                                                                                           | ·                                      |
| What are the salient features of the building?<br>Monumental building, downe, Pillan (Chujana<br>type) wooden circle (Maratha type). Large doom & a<br>Do you recommend any monumental looks for a new | 1- Jain Temple<br>windows.<br>¥es-/ No |
| museum building?                                                                                                                                                                                       |                                        |
| If yes, are there any maintenance problems associ-<br>ated with it?                                                                                                                                    |                                        |
| Do you think an appealing building could attract<br>a visitor to it?                                                                                                                                   | Yes / No                               |

Museum building as a functional unit

Yes / No It is a building constructed to house a museum? Yes / No Is it based on any model? How old is it? 72 years Yes / No 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 Joy securit. Could you provide copies of its blueprints? NOVON; Yes / No Is the building approved for all its safety measures? Yes / No NA If not, in case of accidents, is the institution liable to pay compensation? Yes / No Is the disaster management policy invisaged? Yes / No Not at prevent Is there scope for expansion? Who does the repair of the building? John Flenning & company, India water proofing Yes / No Was the architect aware of museum building requirements? Yes / No Was he experienced in it? Yes / No NA If no, was he informed of the requirements? Yes / No Does the building suit the climatic conditions of the area? 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? Nove of them are ideal for a markum building. Large windows were derighted as cruss southilution was rept in mind not convictning the effect of

light and other polluting faitols on exhibits.

(c) Storage space

Library and photographic collection (d) Lecture hall or auditorium (e) 1 1 ``, (f) Laboratory Workshops (g) Receiving rooms for objects (h) Yes / No Are the galleries constructed with a view to exhibit the collections being displayed in them? TO NOUN EXTERNT Was the architect aware of the collection going to Yes / No be displayed in them? Maybe to some extent Yes / No Do you think the architectural requirements of different collections are separate? Could you please give an account of it concerned to your museum? o your museum? tol example, sculpture gallery with Large windows and European painting gallery without windows. Yes / No Is the building claustrophobic? Yes / No Did you plan to cope up with the future requireit pomible. ments? What is the visitors' occupancy of the building?  $\alpha \rho \rho \cdot 5 \infty - 1000$ Yes / No Is there a provision for parking of vehicles in the compound? Yes / No can be made Is it sufficient? Yes / No Is there a separate parking zone for staff vehicles? Yos / No Is there a garden in the museum compound? Is it sufficient for the public to rest? NOT intender Schruft. Yes / No Now cloud for the public in view of the present rituation Is there an enguiry/reception counter? You Yes / No-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?

5 Yes / No Is there a cafetaria? Is there a changing room/feeding room for mothers Yes / No accompanied by small children? Yes / Is there a smoking zone for the smokers? Yes / No Are there special provisions for the handicapped? If yes, please enlist them. tacility of wheel chain, lift, hydraulic lift Yes / No Is there a key gallery? . Is there an orientation room? The key gallong penver an yes / No place the dientation Is the visitors' movement planned? gue nouse galleries Yes / No Do you think that the architecture could have an Yes / No impact on visitors' psychology? How successful is your museum building in captivating the visitors for the required time? Very/moderate/less Yes / No Did you use any special materials to serve any specific purposes in the construction of the building? wooden floor and wooden wall tot European painting. If yes, please mention them. ne above. Yes / No Were there any efforts in utilizing any climatic factors like the natural light? at few places. Do you have any following natural lighting arrange-Yes / No ments. Yés / No Side lighting Ribbon windows Yes / No Sun Breakers NO Corner and end lighting Yes / No-Side lighting at a high level Yes / No-Sky light ¥eś / No Lantern light Yes / No-----Inverted lantern Yes / No

Please state the salient architectural features with reference to tropical climate. Large windows and doors get now ventilation not considering the effect of light and other polluting tactor on the mureum eshibits. Museum building and security Yes / No 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? Are the downtake pipes from the roof covered with Yes / No barbed wire so as not to be easily scaleable? Yes / No Is there yard-lighting or flood-lighting around the museum? Have you any suggestions to make for strengthening of the external security further 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. Yes / No Are the windows, ventilators, sky-lights, etc. provide with grills or similar safety devices? Yes / No Are the grills strong enough? Are the grills in keeping with the acsthetics of Yes / No the building? Are the locking arrangements in the building such Yes / No that they cannot be easily tampered with? Are there places in your galleries where one may Yes / No hide onself? Yes / No Are there restricted areas or galleries in your museum?

Is the administrative block separate from the Yes / No within the mus. Administrative area in reporte calleries? 1 Is there an alternative arrangement for lighting when Yes / No normal electric supply fails? Are there separate switch-boards for galleries, admi-Yes / No nistrative blocks, verandahs and connections outside the museum? Are there fire-alarms and fire-fighting arrangements in the museum? If so, please give details thereof. Smoke detectory, Fire extinguilliers at various points. Yes / No Are there C.C. cameras, TVs, burglar-alarms and smoke-detectors? 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 barked wire covering the drainage pipers, wire turing & flood lighting. Miscellaneous Did you make any survey before constructing the Yos / No building? NOT, KNOWN NO second as the What type? puilding was completed in 1914 [ ] 'Literature survey Consultation with the [] NA 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 Yes / No that come into the market? 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?