



जहाँ है हरियाली।
वहाँ है खुशहाली।।



GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT & FORESTS
Central Zoo Authority

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THROUGH REGISTERED POST

F. No. 19-27/92-CZA(73)(Vol. V)(M) 2980

DATE: 12.06.2013

To

The Deputy Municipal Commissioner,
Vadodara Municipal Corporation,
Khanderao Market Bldg.,
Vadodara – 390 001 (Gujarat).

Sub:- Designs for the construction of various enclosures at Sayaji Baag Zoo, Vadodara (relocation of Ajwa Zoological Park at Ajwa).

Ref:- Your letter No. 72/2013-14 dated 26.04.2013.

Sir,

Reference is invited to the above cited correspondence.

The designs for the construction of various enclosures at Sayaji Baag Zoo, Vadodara (relocation of Ajwa Zoological Park at Ajwa) were placed before the Meeting of the Expert Group on Zoo Designing of the Central Zoo Authority held on 28th May, 2013.

After detailed deliberation, the following observations were made:-

The committee members re-visited the Master (layout) Plan and found that the area under animal enclosures and other structures is much beyond the permissible limit as prescribed in the Recognition of Zoo Rules, 2009. The same should not exceed 30% of the total area of the zoo. After seeing the Master Plan it appears that the area proposed under animal enclosures is much more than the prescribed limit, therefore the zoo authorities may rectified by re-visiting Master (layout) plan. The existing species in the zoo and indigenous species of the region should be given priority.

The designs of the animal exhibits were scrutinized and following observations were made:-

(i) Leopard enclosures

The design was scrutinized and not approved. However following observations were made:-

- Size of the paddock should be about 600 sqm and of irregular shape with chain-link fence of 3 m height and 1.5 m overhang with 60 degree shape.
- Overhang should not be covered as of straight.

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- (c) Size of the chain-link 75mmx75mm of 10 guage.
- (d) Viewing moat should be of 6m width at top and depth 4m, U or V shaped.
- (e) Chain-link and the moat should be so designed that the minimum height of 3m & the overhang is along available and partly overhang with moat and no surface should be available as a hold for escape.
- (f) The night shelter should be of prescribed size as per CZA guidelines height of paddock area should not be less than 3m height and with overhang of 1.5m of steel plate.
- (g) The size of the feeding cell should not be less than 2mx1.5m.

(ii) Pig tailed macaque enclosure

The design was scrutinized and not approved. However following observations were made:-

- (a) Enclosure should be re-designed making use of chain-link fence as the barrier all sides except the viewing area.
- (b) Chain-link should be 3m height with overhang of 1.5 m included inside at 60 degree angle.
- (c) Size of the chain-link 75mmx75mm of 10 guage.
- (d) Viewing moat should be of 6m width at top and depth 4m, U or V shaped.
- (e) Chain-link and the moat should be so designed that the minimum height of 3m & the overhang is along available and partly overhang with moat and no surface should be available as a hold for escape.
- (f) The night shelter should be of prescribed size as per CZA guidelines height of paddock area should not be less than 3m height and with overhang of 1.5m of steel plate.
- (g) The size of the feeding cell should not be less than 2mx1.5m.

(iii) Aviary of Raptors and Small Birds

The design was scrutinized and not approved. However following observations were made:-

- (a) For Raptors the hock wall should be of stone masonry with unevenly placed stones providing rough surface for perching and fixture of extended perches compressing of ropes baskets having wooden frames to be used for nesting. The height of the hock well should be six meters size of the enclosure 15mx20m
- (b) The 2 side wall and front side should be of chain-link 75mmx75mm and 8 gauge as proposed.
- (c) There should be atleast 4-5 water troughs (small) for providing drinking water and bathing of birds.
- (d) Feeding platform should be provided at 1.5 m height on the hock wall.
- (e) The door size should be 1mx1.5m with provision for double door entry.

(iv) Crocodile enclosure

The design was scrutinized and approved subject to following:-

- (a) The outer wall of exhibit should be camouflaged by climbers and other vegetation.
- (b) The exhibit should have appropriate enrichment.
- (c) The shapes of the pond and water body should be irregular.

(v) Tiger enclosure

The design was scrutinized and approved subject to that the night house should be attached to animal house as marked on the design.

Keeping in view of the above, amended copy of designs should be submitted to this office for its scrutiny and approval.

Yours faithfully,
sd/-
(B. S. Bonal)
Member Secretary

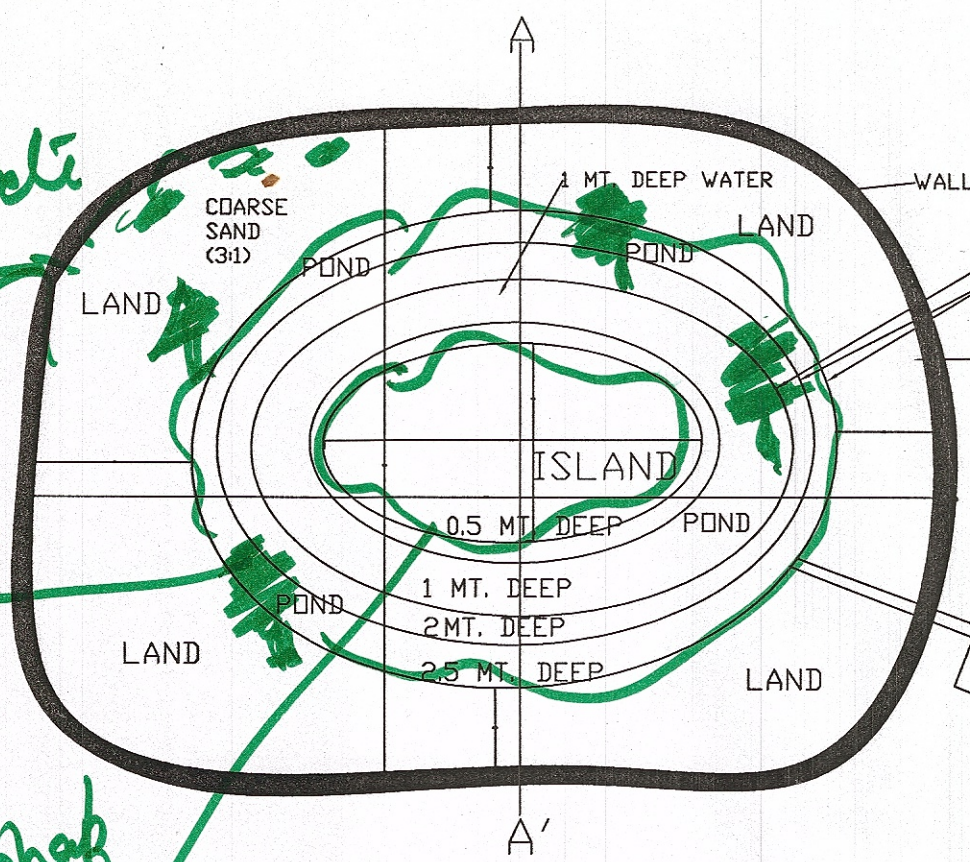
Copy for favour of information and necessary action to:-

1. The Chief Wildlife Warden, Government of Gujarat, Gandhinagar.
2. The Commissioner, Vadodara Municipal Corporation, Vadodara, Gujarat.
3. The Curator, Sayaji Baag Zoo, Vadodara, Gujarat


(Dr. Brij Kishor Gupta)
Evaluation and Monitoring Officer

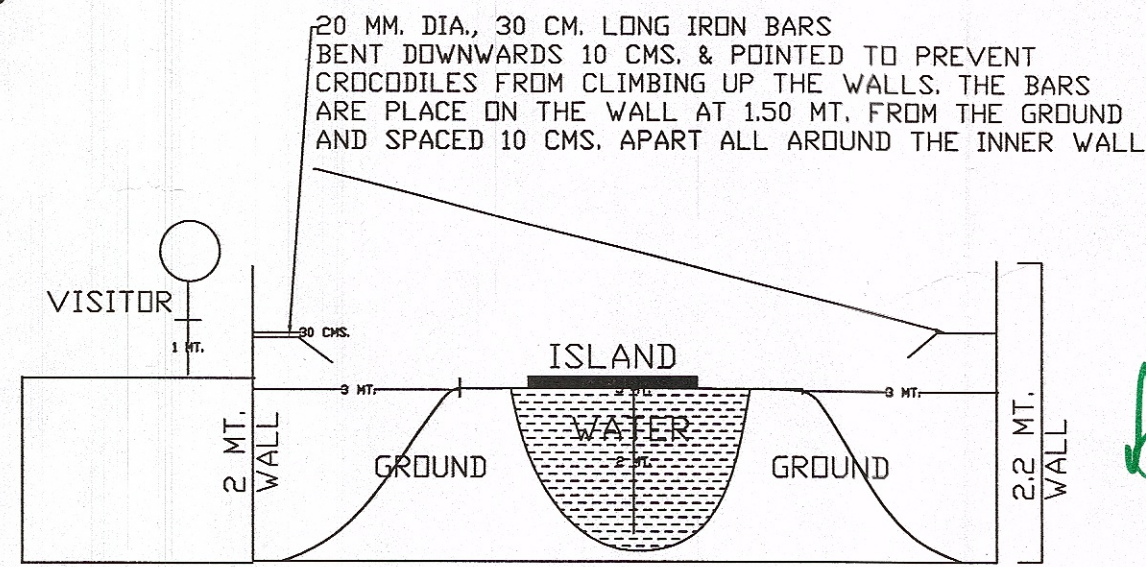
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1 climber, etc
 2 vegetation
 enclosure
 Irregular shape
 A Pond/land



R.C.C & WATER PROOFING OF THE INNER WALL OF THE POND.
 20 MM. DIA., 30 CM. LONG IRON BARS BENT DOWNWARDS 10 CMS. & POINTED TO PREVENT CROCODILES FROM CLIMBING UP THE WALLS. THE BARS ARE PLACE ON THE WALL AT 1.50 MT. FROM THE GROUND AND SPACED 10 CMS. APART ALL AROUND THE INNER WALL

PLAN



20 MM. DIA., 30 CM. LONG IRON BARS BENT DOWNWARDS 10 CMS. & POINTED TO PREVENT CROCODILES FROM CLIMBING UP THE WALLS. THE BARS ARE PLACE ON THE WALL AT 1.50 MT. FROM THE GROUND AND SPACED 10 CMS. APART ALL AROUND THE INNER WALL

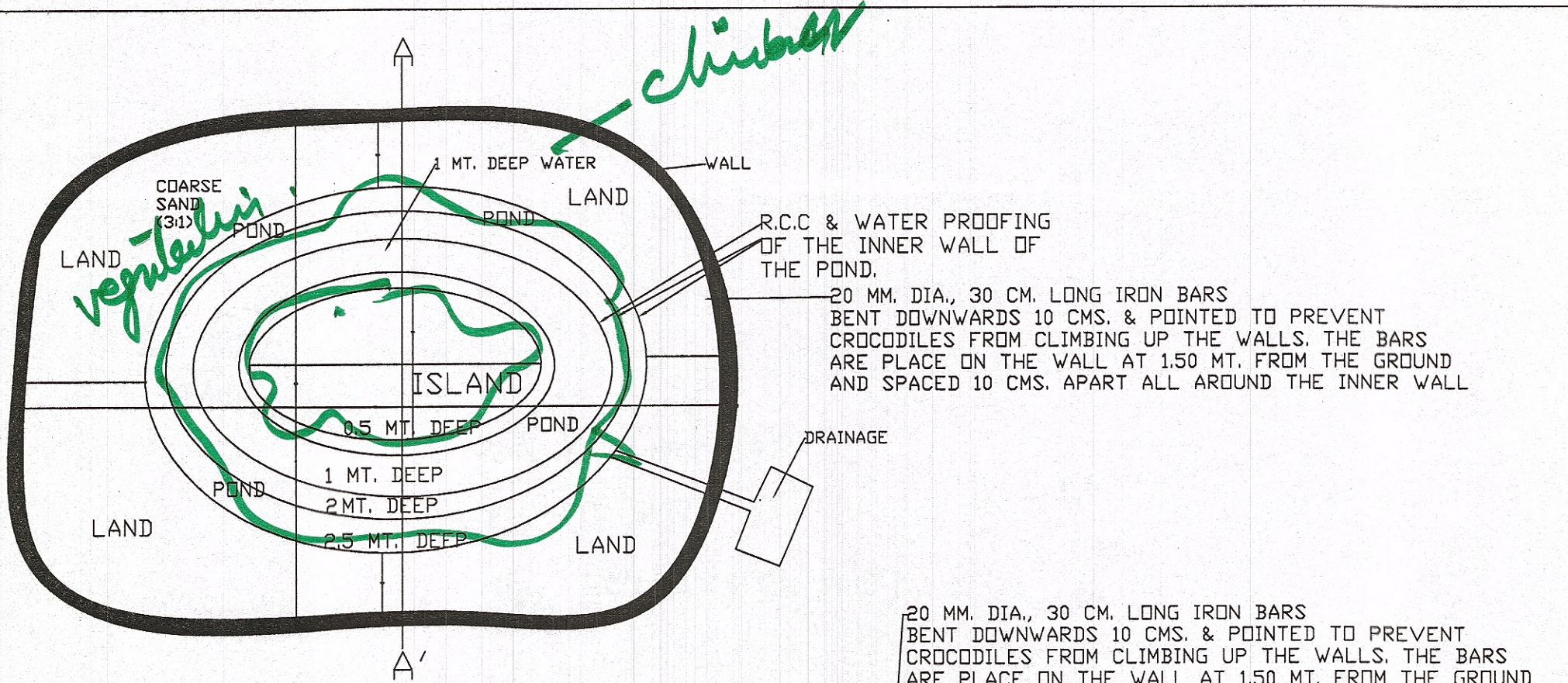
CROSS SECTION A A'

ENCLOSURE FOR CROCODILE

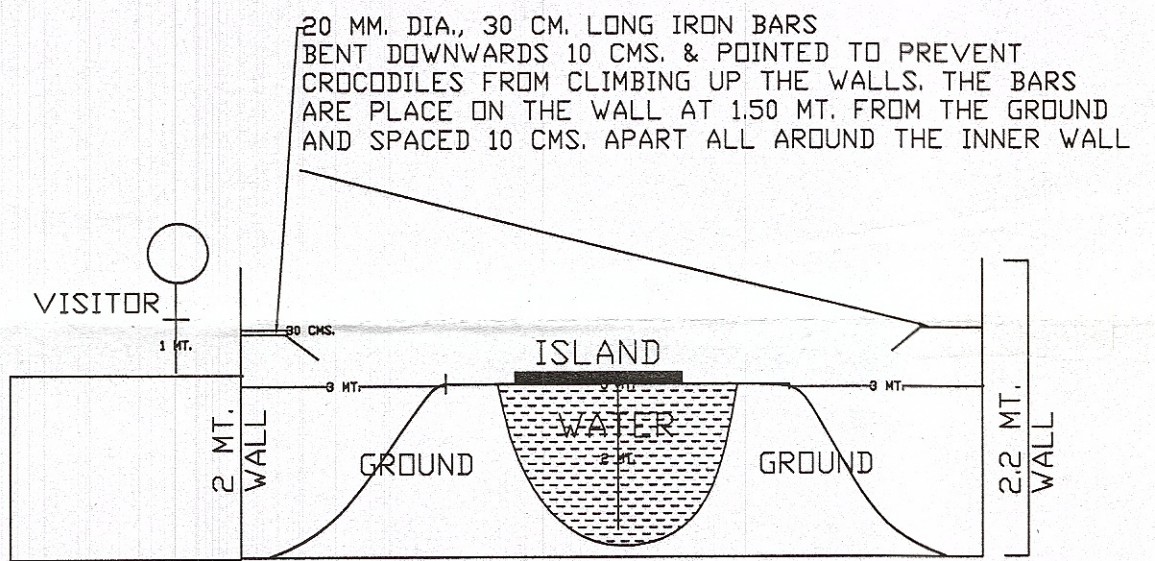
NOTE:
 *All dimensions are in metric system.
 *All structural members are to be done as per the structural design.
 *This drawing is prepared as per the site plan & information supplied to this office.
 *All dimensions, present site conditions, all service lines like water supply, drainage, electricity, gas, telephone, trees etc. and legal aspects pertaining to this project to be checked on site before any type of allotment/execution work.

AJWA ZOO PROPOSED ARCHITECTURAL PLANNING FOR CROCODILE ENCLOSURE			
SECTION, ELEVATION		1:100 SCALE	
DRW. NO.		DATE	
CONSULTANT: DR. J.H.DESAI T.D.D. (T.P.)			
VADODARA MAHANAGAR SEVA SADAN			

28/10/13
 MSC2A
 (1st meeting A Expert Group on Zoo Designing)



PLAN



CROSS SECTION A A'

ENCLOSURE FOR CROCODILE

NOTE:
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VADODARA MAHANAGAR SEVA SADAN			

[Signature]
 Zoo Curator
 Shri Sayajibaug Zoo
 Vadodara

[Signature]
 Executive Engineer,
 Ajwa Zoological Park,
 VADODARA

[Signature]
 Dy. Municipal Commissioner
 Municipal Corporation,
 Vadodara.

[Handwritten notes in green ink]
 28/05/11
 (41st meeting A report prepared as per design.)

[Red circular stamp]
 17/11