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GOVERNMENT OF INDIA

MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

Central Zoo Authority

3 Copies
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297



F. No. 23-11/99-CZA(403)(Vol. I)(NS)/565/2016

Email/Post
Date: 04.04.2016

To

The Chief Wildlife Warden
& Principal Chief Conservator of Forests (WL)
Government of Maharashtra
Van bhavan, Ramgiri Road,
Civil Lines, Nagpur- 440 001 (Maharashtra)
Email: pccfwlngp@mahaforest.gov.in

Sub:- Designs of proposed Safari for Tiger, Leopard, Sloth bear and Herbivore at Zoo & Rescue Center at Gorewada, Nagpur - Reg.

Ref:- Your office letter no. Desk-23(4)/Cr.No. 19II(2012-13)/5541, dated 23.02.2016.

Sir,

With reference to the above cited correspondence, this is to inform you that the designs of proposed Safari for Tiger, Leopard, Sloth bear and Herbivore at Zoo & Rescue Center at Gorewada, Nagpur were placed before the 67th meeting of the Expert Group on Zoo Designing of Central Zoo Authority held on 09.03.2016.

(a) Design of proposed Safari for Tiger:

The design of proposed Safari for Tiger was approved subject to compliance with following conditions:

- Strength of columns in fencing should be got ascertained by a Structural Engineer.
- The MS flat on top of the vertical chain link fencing i.e. overhang should always be leaning towards paddock at an angle of 60°.

(b) Design of proposed safari for Leopard:

The design of proposed Safari for Leopard was approved subject to compliance with following conditions:

- Strength of columns in fencing should be got ascertained by a Structural Engineer.
- The MS flat on top of the vertical chain link fencing i.e. overhang should always be leaning towards paddock at an angle of 60°.

(c) Design of proposed Safari for Sloth bear:

The design of proposed Safari for Sloth bear was approved subject to compliance with following conditions:

- Height of the barrier for bears should be 4 mts.

B-1 Wing, 6th Floor, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi-110003

Tel.: 011-24367846, 24367847, 24367851, 24367852, Fax: 011-24367849

E-mail: cza@nic.in Website: <http://www.cza.nic.in>

ok
05/4/16

(298)

- ii. Minimum distance between two gates should be 15 mts.
- iii. Ramp should not be 'pucca'. This should be earthen slopes only.
- iv. Feeding cells should be 2.75 x 1.80 x 2.5 mts.
- v. Strength of columns in fencing should be got ascertained by a Structural Engineer.
- vi. The MS flat on top of the vertical chain link fencing i.e. overhang should always be leaning towards paddock at an angle of 60°.

(d) Design of proposed Safari for Herbivore:

The design of proposed Safari for Herbivores was approved subject to compliance with following conditions:

- i. Strength of columns in fencing should be got ascertained by a Structural Engineer.
- ii. The MS flat on top of the vertical chain link fencing i.e. overhang should always be leaning towards paddock at an angle of 60°.

Keeping in view of the above, the revised design should be submitted along with compliance report for approval and signatures of this Authority.

Yours faithfully,



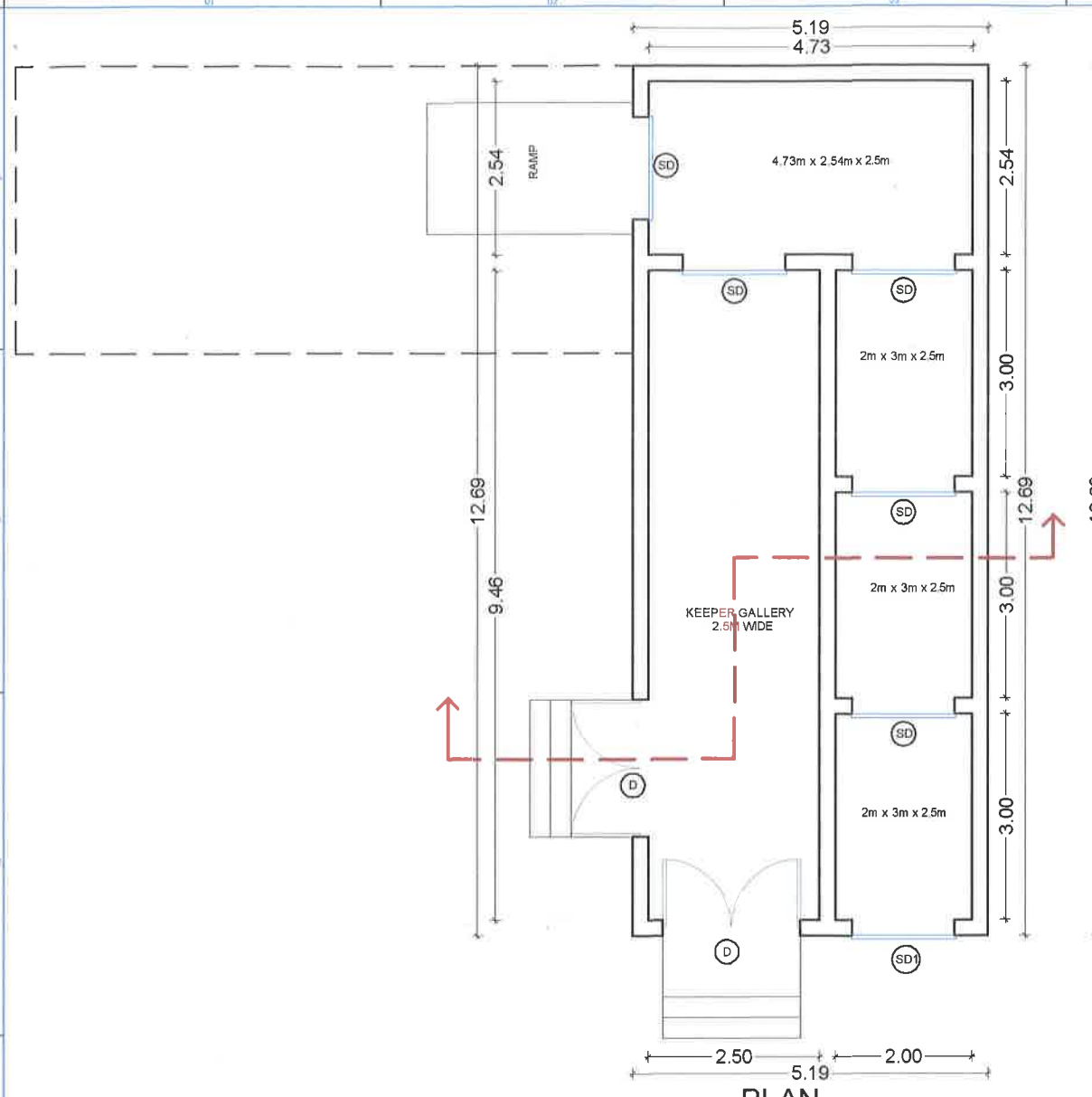
**(Dr. D.N. Singh)
Member Secretary**

Copy to:

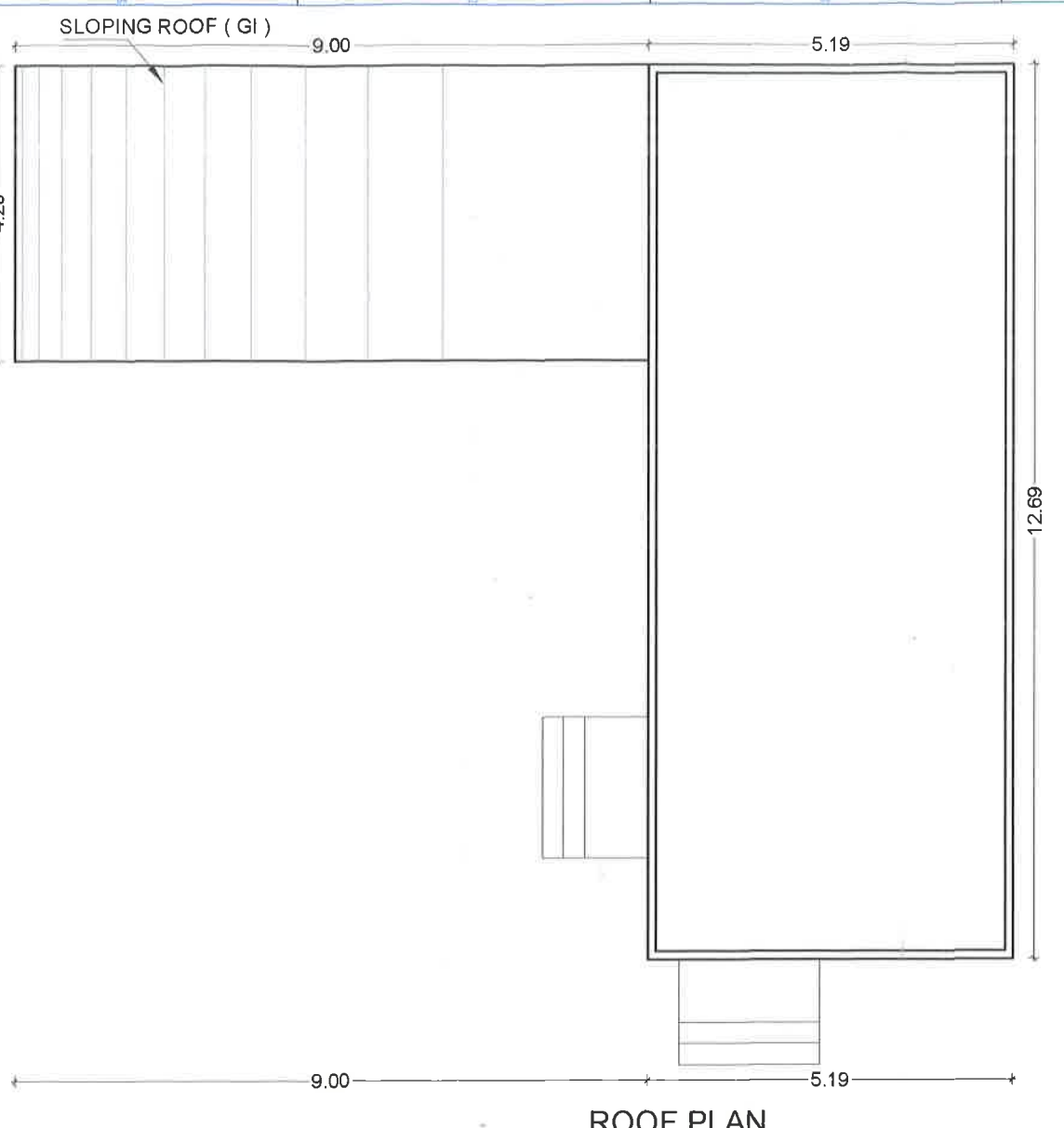
The Managing Director, Forest Development Corporation of Maharashtra, Nagpur for favour of information and necessary action.

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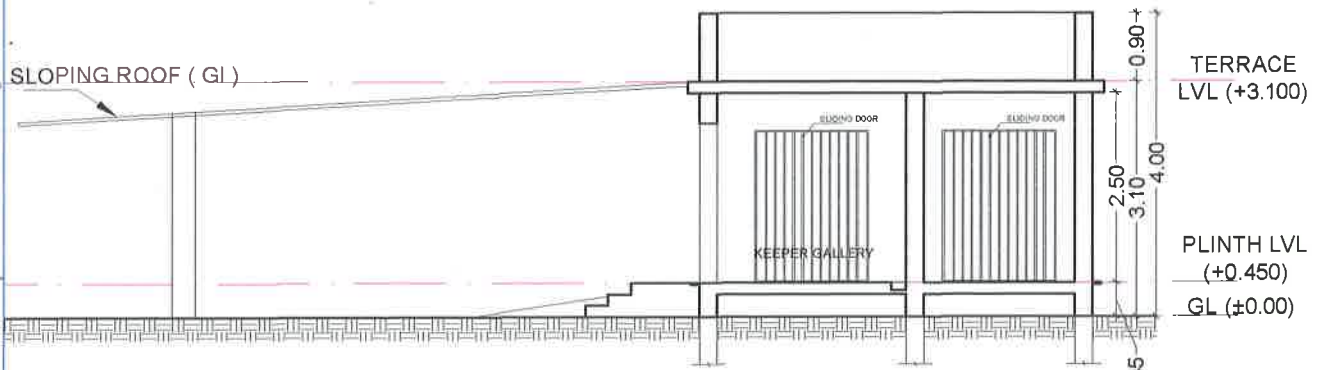
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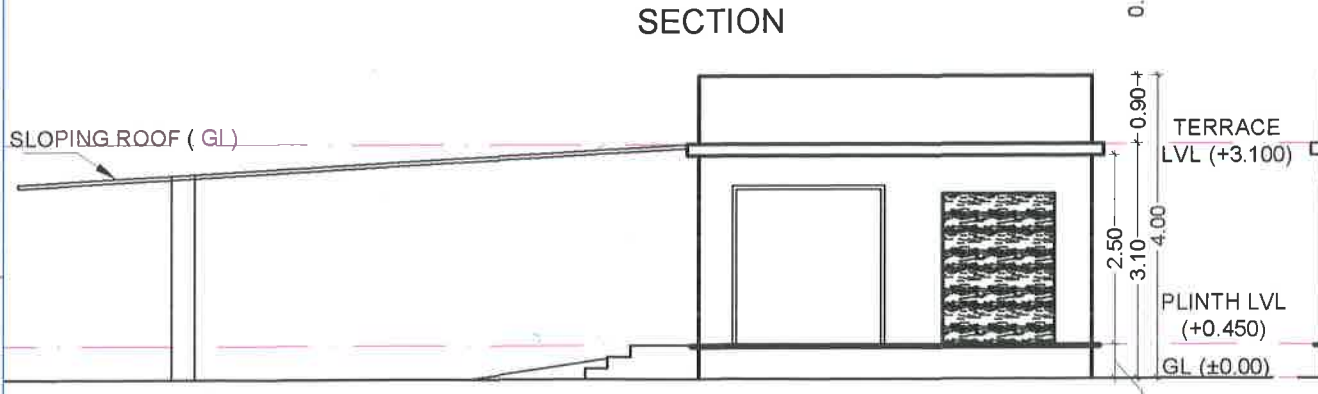
PLAN



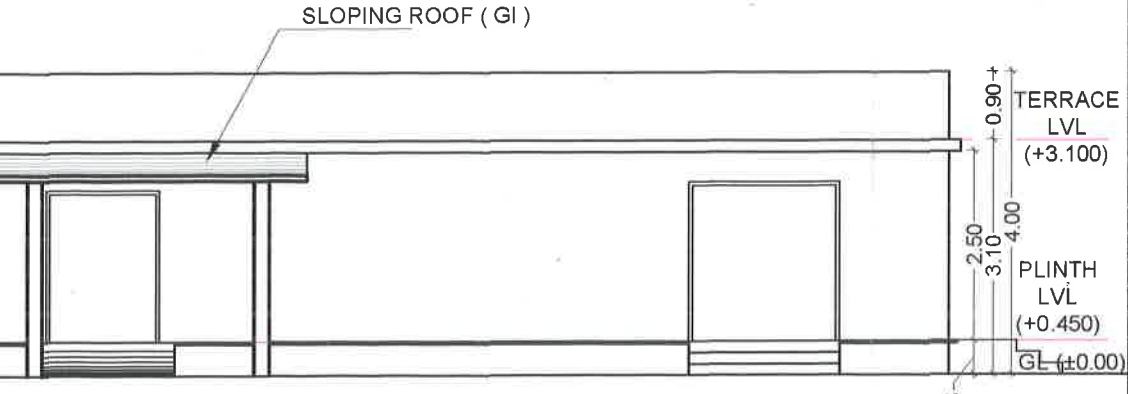
ROOF PLAN



SECTION



FRONT ELEVATION



SIDE ELEVATION

GENERAL NOTES :

- 1) ALL DIMENSIONS ARE IN METRE.
- 2) DO NOT SCALE THE DRAWINGS.
- 3) ALL DIMENSIONS ARE TO BE REFERRED FROM THE ARCHITECTURAL DRAWINGS.
- 4) IN CASE OF ANY DISCREPANCY PLEASE FOLLOW THE DIMENSIONS GIVEN IN ARCHITECTURAL DRAWINGS.
- 5) ALL THE REINFORCEMENT & OTHER STRUCTURAL DETAILS ARE TO BE FOLLOWED AS PER THE STRUCTURAL DRAWINGS.
- 6) THE CONTRACTOR SHOULD BRING ALL THE DISCREPANCY TO OUR NOTICE AND NO DECISIONS/CHANGES SHALL BE DONE WITHOUT OUR PRIOR CONSENT.
- 7) THE CONTRACTOR SHOULD GET THE CENTRELINE LAYOUT APPROVED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- 8) DRAWINGS ARE SUBJECT TO MINOR CHANGES AS PER SITE CONDITIONS.

SCHEDULE OF OPENING -

| TYPE | SIZE | REMARK | NOS |
|------|---------------|---------------------------|-----|
| D | 2.00 x 2.10 M | METAL DOOR | 2 |
| SD | 1.50 x 2.00 M | SLIDING METAL DOOR | 6 |
| SD1 | 1.50 x 2.00 M | SLIDING SOLID WOODEN DOOR | 1 |

SIGNATURE: DIVISIONAL FOREST OFFICER, NAGPUR, MAHARASHTRA

[Signature]

Divisional Manager
Gorewada Project
Nagpur

SIGNATURE: ASHFAQUE AHMED CONSULTANCY SERVICES PVT. LTD. (A.A.C.S.P.L.)

[Signature]



PROJECT : INTERNATIONAL STANDARD ZOO & RESCUE CENTRE AT GOREWADA, NAGPUR

CLIENT : DIVISIONAL FOREST OFFICER, NAGPUR, MAHARASHTRA

AUTHORITY :

TENDER :

SHEET TITLE : HERBIVORE SHELTER

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| R05 | | | |
| R04 | | | |
| R03 | | | |
| R02 | | | |
| R01 | | | |

APPROVED BY: A.A. DRAWN BY: UTKANSH
FINALISED BY: A.A. CHECKED BY: A.A.

DATE: 10-01-2018 ISSUED: 12-02-2018 SCALE: 1:100

STAGE: DRAWING NO: AACSPU/GOREWADA/2018-18/CB SHEET NO: 01/01

CAD FILE: NORTH

- A) PRELIMINARY
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- C) ADVANCE COPY
- D) GOOD FOR CONSTRUCTION

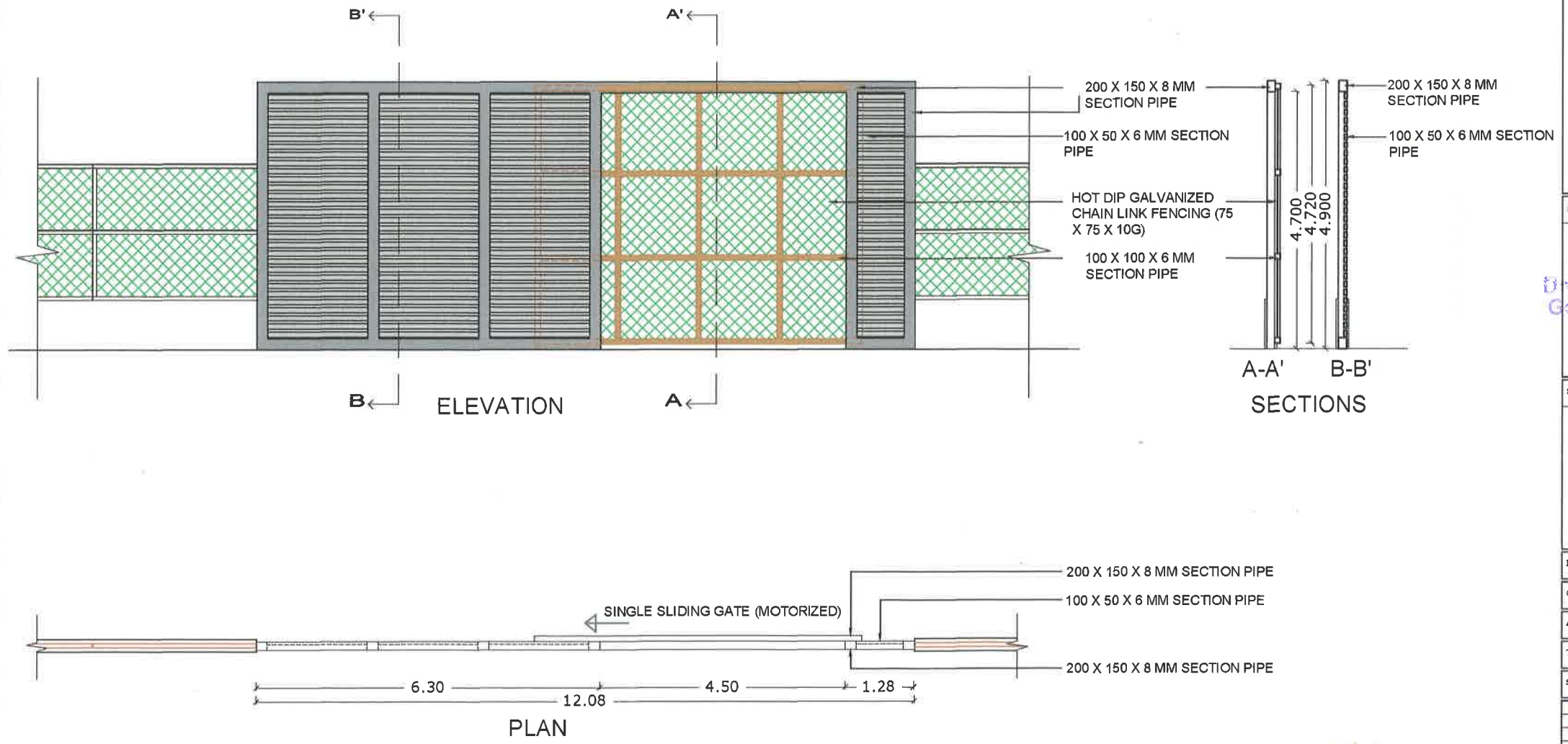
ASHFAQUE AHMED CONSULTANCY SERVICES PVT. LTD.
289, New Colony, Nagpur
Ph: 0712 - 2597552 / 6957047
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HERBIVORE SHELTER

INTERNATIONAL STANDARD ZOO & RESCUE CENTRE, GOREWADA

3

DO NOT SCALE THE DRAWING. ALL DIMENSIONS ARE IN METRIC UNIT. IF IN DOUBT PLEASE ASK.



GENERAL NOTES :

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- 3) ALL DIMENSIONS ARE TO BE TAKEN FROM THE ARCHITECTURAL DRAWINGS.
- 4) IN CASE OF ANY DISCREPANCY PLEASE FOLLOW THE DIMENSIONS GIVEN IN ARCHITECTURAL DRAWINGS.
- 5) ALL THE REVISIONS AND OTHER STRUCTURAL DETAILS ARE TO BE FOLLOWED AS PER THE STRUCTURAL DRAWINGS.
- 6) THE CONTRACTOR FOLLOWING ALL THE DISCREPANCY TO CORRECT AND RECTIFY THE SAME SHALL BE DONE WITHOUT CAUSING DELAY.
- 7) THE CONTRACTOR SHOULD GET THE CENTRE LAYOUT APPROVED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- 8) DRAWINGS ARE SUBJECT TO MAJOR CHANGES AS PER SITE CONDITIONS.

NOTE:
 1) SECTION, FENCE & OTHER DETAILS SHOULD BE AS PER THE GIVEN SPECIFICATIONS.

SIGNATURE: DIVISION FOREST OFFICER, NAGPUR, MAHARASHTRA

Divisional Manager
 Gorewada Project
 Nagpur

SIGNATURE: ASHFAQ AHMED CONSULTANCY SERVICES PVT. LTD. (A.C.S.P.L.)



PROJECT: INTERNATIONAL STANDARD ZOO & RESCUE CENTRE, GOREWADA

CLIENT: DIVISION FOREST OFFICER, NAGPUR, MAHARASHTRA

AUTHORITY: _____

TENDER: _____

SHEET TITLE: SAFARI GATE DETAILS

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| RO5 | | | |
| RO4 | | | |
| RO3 | | | |
| RO2 | | | |
| RO1 | | | |

| REVISION | DATE | DESCRIPTION | SIGN |
|----------|------|-------------|------|
| | | | |

APPROVED BY: A.A. DRAWN BY: P.M.H.

FINALISED BY: A.A. CHECKED BY: A.A.

DATE: 10-01-2018 ISSUED: 18-08-2018 SCALE: 1:100

STAGE: _____ SHEET NO: SAF01

DWG NO: ANS/PL/SGRE/WAD/2018-18/03-4 FILE NO: _____

CAD FILE: _____

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 Email: ashfaqahmed@yahoo.com
 ashfaqahmed@gmail.com
 Website: www.ashfaqahmed.com

REVISION NUMBER: **RO**

SAFARI GATE DETAILS - HERBIVORE SAFARI

INTERNATIONAL STANDARD ZOO & RESCUE CENTRE, GOREWADA

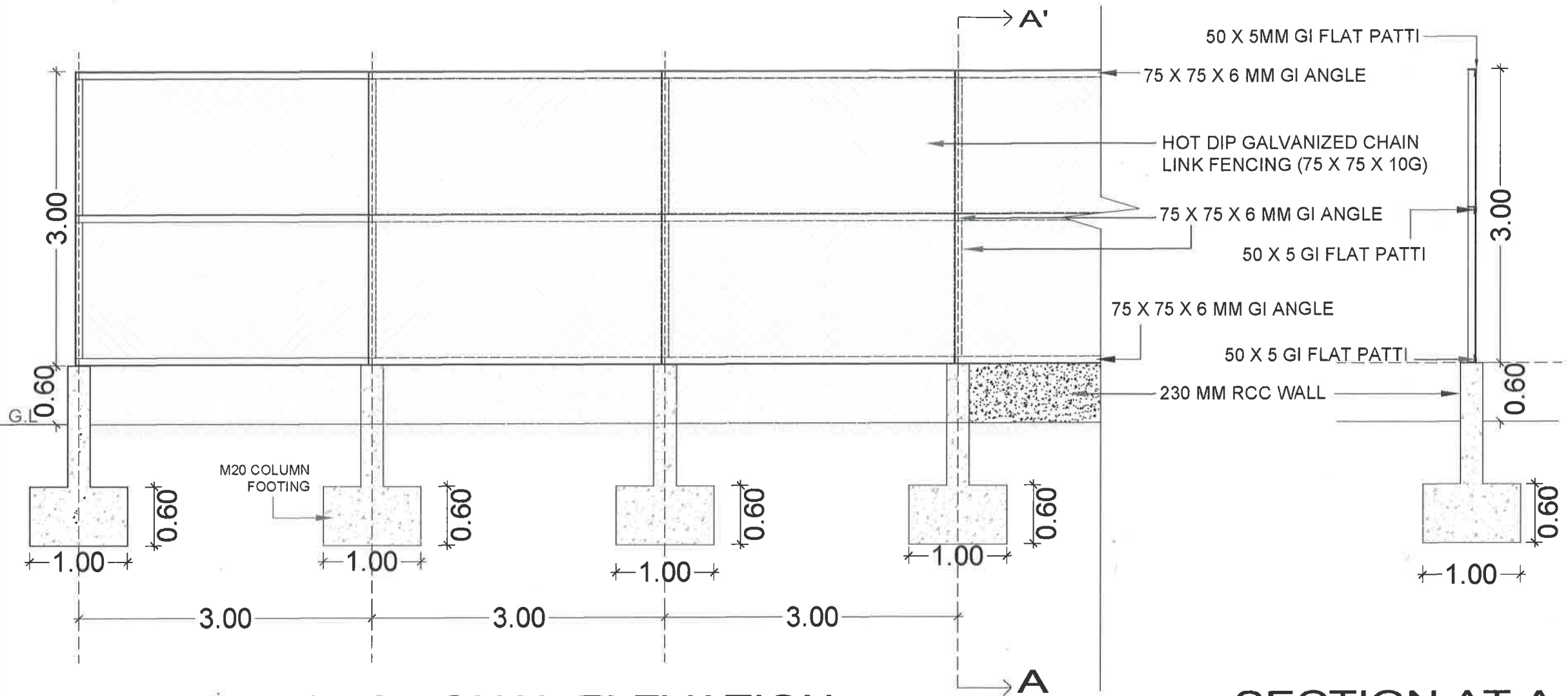
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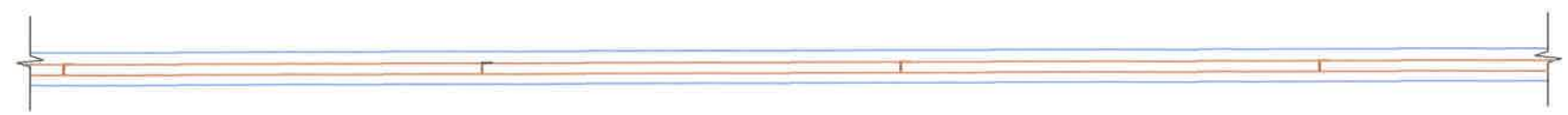
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- 8) DRAWINGS ARE SUBJECT TO MINOR CHANGES AS PER SITE CONDITIONS



SECTIONAL ELEVATION

SECTION AT A-A



PLAN

SIGNATURE: DIVISIONAL FOREST OFFICER, NAGPUR, MAHARASHTRA

[Signature]
Divisional Manager
Gorewada Project
Nagpur

SIGNATURE: ASHFAQUE AHMED CONSULTANCY SERVICES PVT. LTD.

[Signature]

Ashfaque Ahmed Consultancy Services Pvt. Ltd.
 289, New Colony, Sadar, Nagpur

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CLIENT : DIVISIONAL FOREST OFFICER, NAGPUR, MAHARASHTRA

AUTHORITY :

TENDER :

SHEET TITLE : **HERBIVORE FENCING DETAILS**

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|-----|--|--|--|
| RO5 | | | |
| RO4 | | | |
| RO3 | | | |
| RO2 | | | |
| RO1 | | | |

| REVISION | DATE | DESCRIPTION | SIGN |
|----------|------|-------------|------|
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APPROVED BY: AA DRAWN BY: UTKARSH
 FINALISED BY: AA CHECKED BY: AA

DATE: 10-01-2018 ISSUE: 13-02-2018 SCALE: 1:50

STAGE: SHEET NO: D17/01

DRWL NO: AACBPU/GOREWADA/2015-16/ C8

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