



GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT & FORESTS
Central Zoo Authority

Registered Post



THROUGH REGISTERED POST

F. No. 19-58/93-CZA(190)(Vol.III)(M) / 4221

DATE: 27.01.2014

To

The Director
Manipur Zoological Garden,
Iroisemba,
Imphal (Manipur).

Sub:- Design for the construction of various enclosures at Manipur Zoological Garden, Imphal, Manipur.

Sir,

Reference is invited to your letter No. 1/21/MP-2011-12/DMZG dated 6th December, 2013.

The designs for the construction various enclosures at Manipur Zoological Garden, Imphal, Manipur were placed before the 46th Meeting of the Expert Group on Zoo Designing of the Central Zoo Authority held on 3rd January, 2014. After detailed deliberation, the following observations were made:-

1. **Sangai enclosure:-**

Design for the enclosure of Sangai is approved with following amendments :

- Night shelter for the animal should be made of brick/ RCC structure and roof should be RCC slab instead of CGI sheet.
- Corrected copy may please be sent to this office for record.

2. **Aquatic bird aviary :-**

Design for aviary is approved with following amendments :

- Top of the aviary should be covered with fiber mesh instead of fiber sheet in the previous instructions issued from this office, word "sheet" was erroneously typed.

...2/-

- b) Instead of using the bird Belt for tying up chain link with vertical posts, the iron strip should be used known as M.S. flat. Therefore, use this nomenclature in your corrected designs.

Corrected copy may please be sent to this office for authentication & record.

3. Leopard cat enclosure:-

The design was scrutinized and approved. However, following corrections are required in the design of this enclosure:

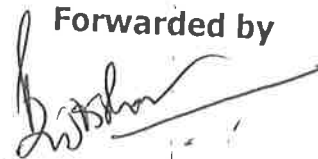
- a) In the night cells, connecting doors marked as D-1 should be of sliding doors
- b) Doors marked as D should be hinged door opening in the gallery not inside the cell.
- c) Doors opening inside the paddock should be draw up doors to be operated from the keepers gallery.
- d) There should be 2.1 mtrs. wide Keepers' gallery at the back of the night cells with door opening at one side of the gallery.
- e) There should be a top closed (with chain link) kraal provided on the other side of the door of the gallery measuring about $\frac{3}{4}$ mtrs.
- f) Chainlink used should be of 50x50 mm X 10 gauge instead of 55 mm. Perhaps wrongly typed in the letter issued from this office. Same chain link should be used to cover the entire enclosure instead of using common size (80mm X 80 mm) mentioned in your design.

Keeping in view of the above, you are requested to submit amended copies of the designs for further scrutiny by this Authority and its authentication of approval and record.

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

Copy to the Chief Wildlife Warden, Government of Manipur, Imphal for favour of information.

Forwarded by

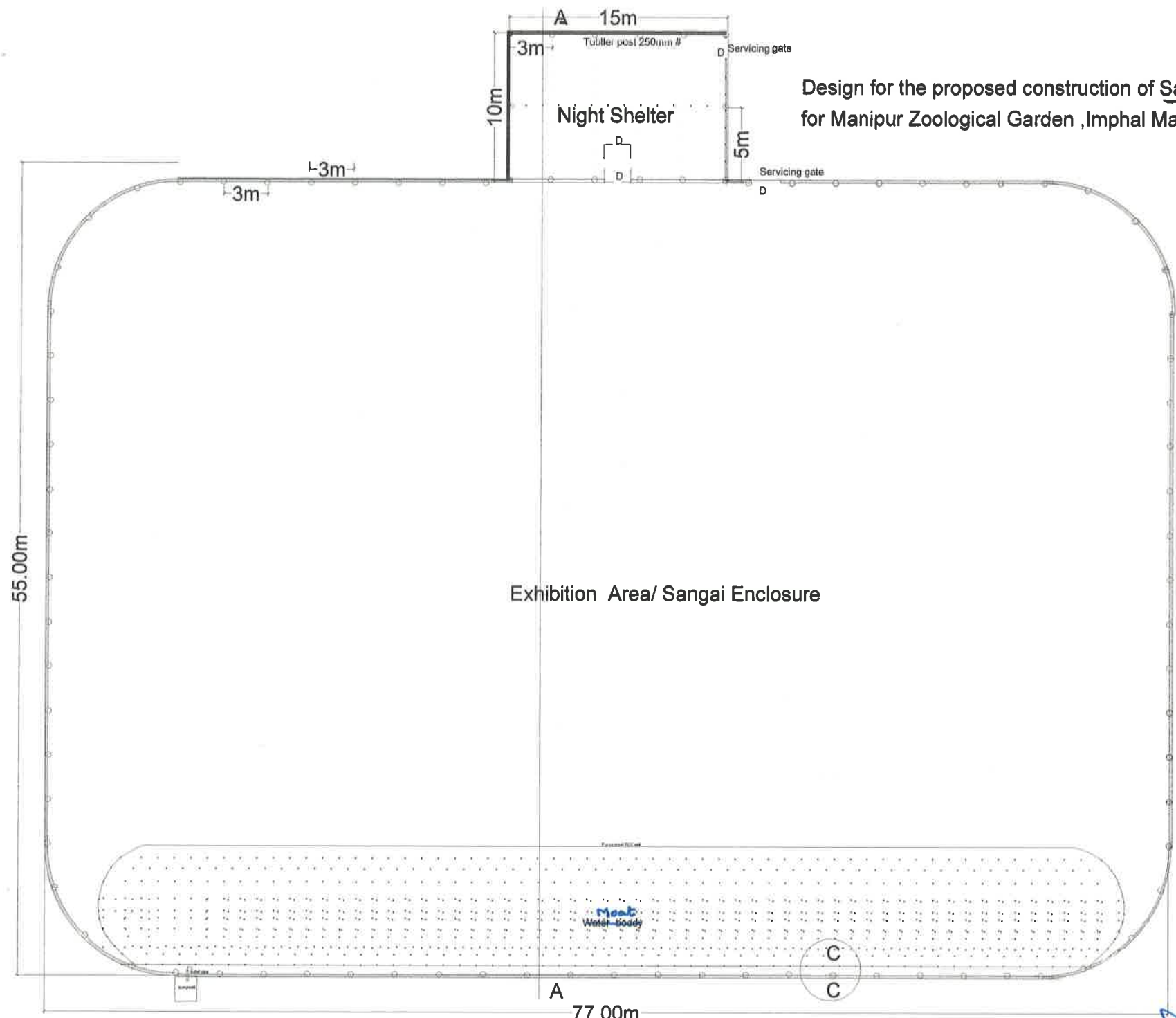


(Dr. Brij Kishor Gupta)
Evaluation and Monitoring Officer

N-1

169 Page No. 1

Design for the proposed construction of Sangai Enclosure with Night shelter for Manipur Zoological Garden, Imphal Manipur.



Exhibition Area/ Sangai Enclosure

77.00m
Plan Scale 1:100

Bejabbar Singh
Chartered Engineer,
A.E. 81481/7 I.E. (India)

Edinobay Singh
Range Officer IIQ
Manipur Zoological Garden
(Imphal)

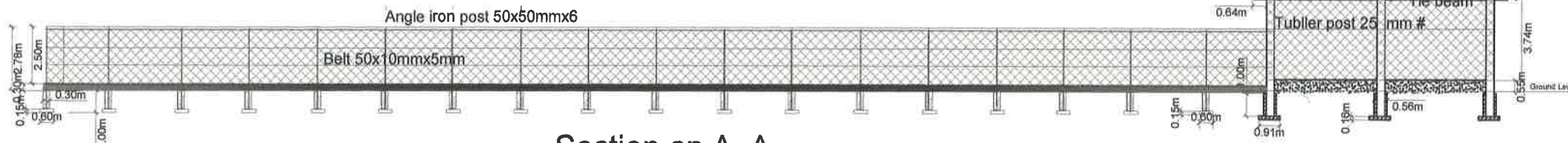
169

Korral

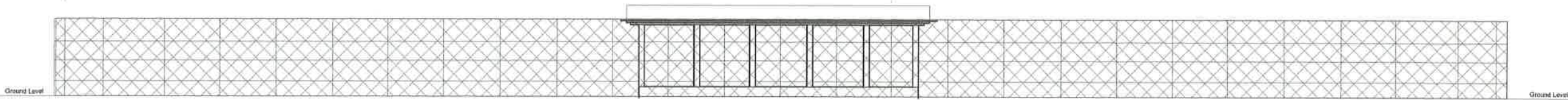
Design for the proposed construction of Sangai Enclosure Feeding Karawl cum Night shelter for Manipur Zoological Garden, Imphal Manipur.

RCC headwork as roof

Cgi sheet roofing over tubler truss



Section on A_A



Front elevation

Bejoy Kumar Singh

Chartered Engineer,
A.E. 81481/7 I.E. (India)

Estimated by [Signature]

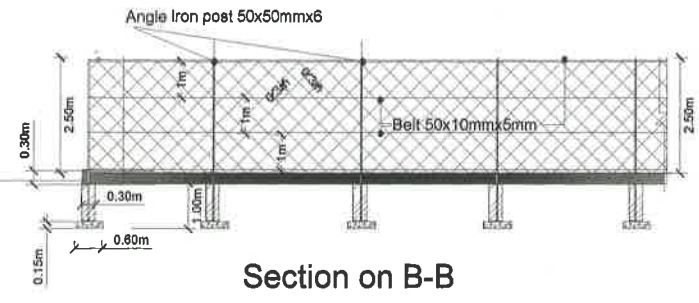
Range Officer, MZ
Manipur Zoological Garden
(Aizemba)

[Signature]
Manipur Zoological Garden
Govt. of Manipur

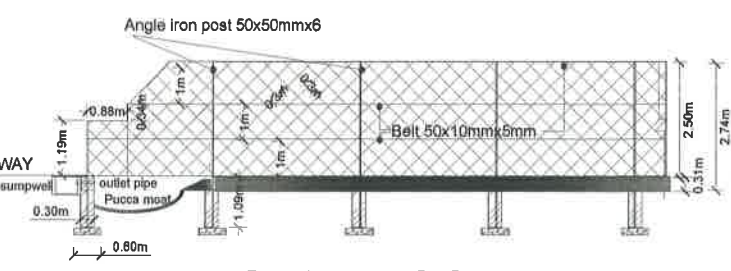
169 P.No. 5

Kraal

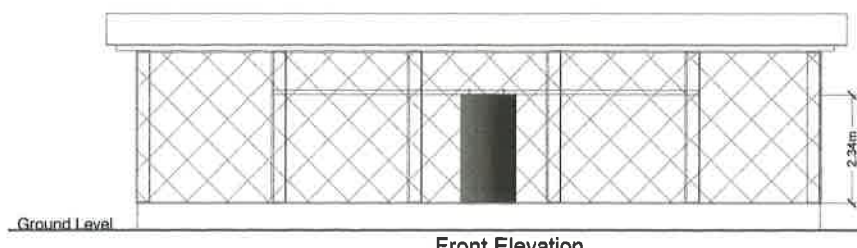
PROPOSED CONSTRUCTION OF FEEDING KARAWL CUM NIGHT SHELTER FOR SANGAI ENCLOSURE AT MANIPUR ZOOLOGICAL GARDEN IROISEMBA IMPHAL



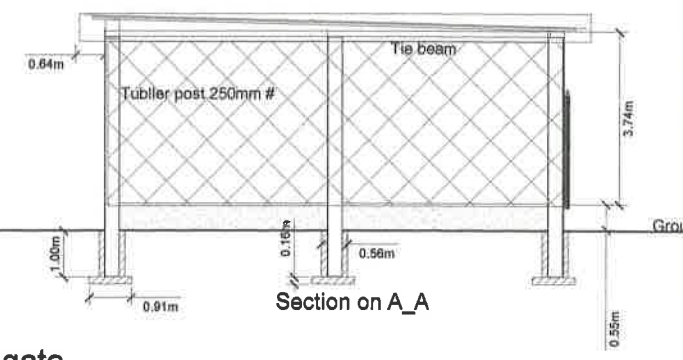
Section on B-B



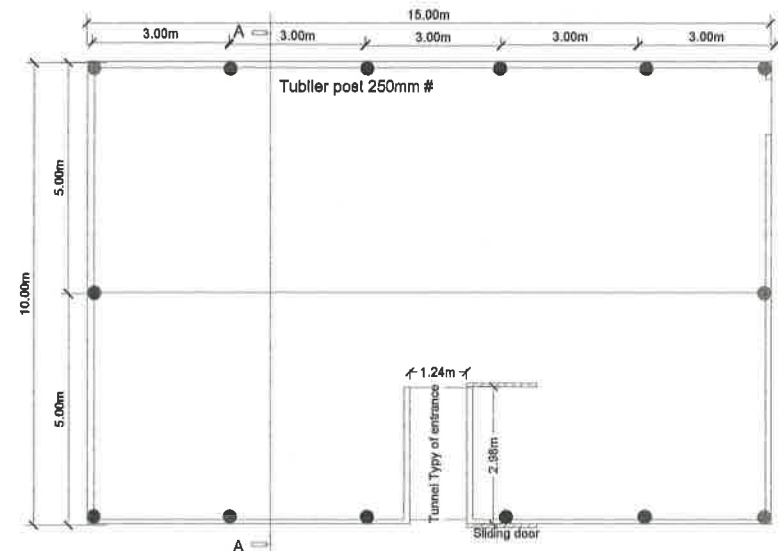
Section on C-C



Front Elevation



Section on A_A



Plan Scale 1:100

Chartered Engineer
A.M. 8148117 I.E. (India)

Draughtsman

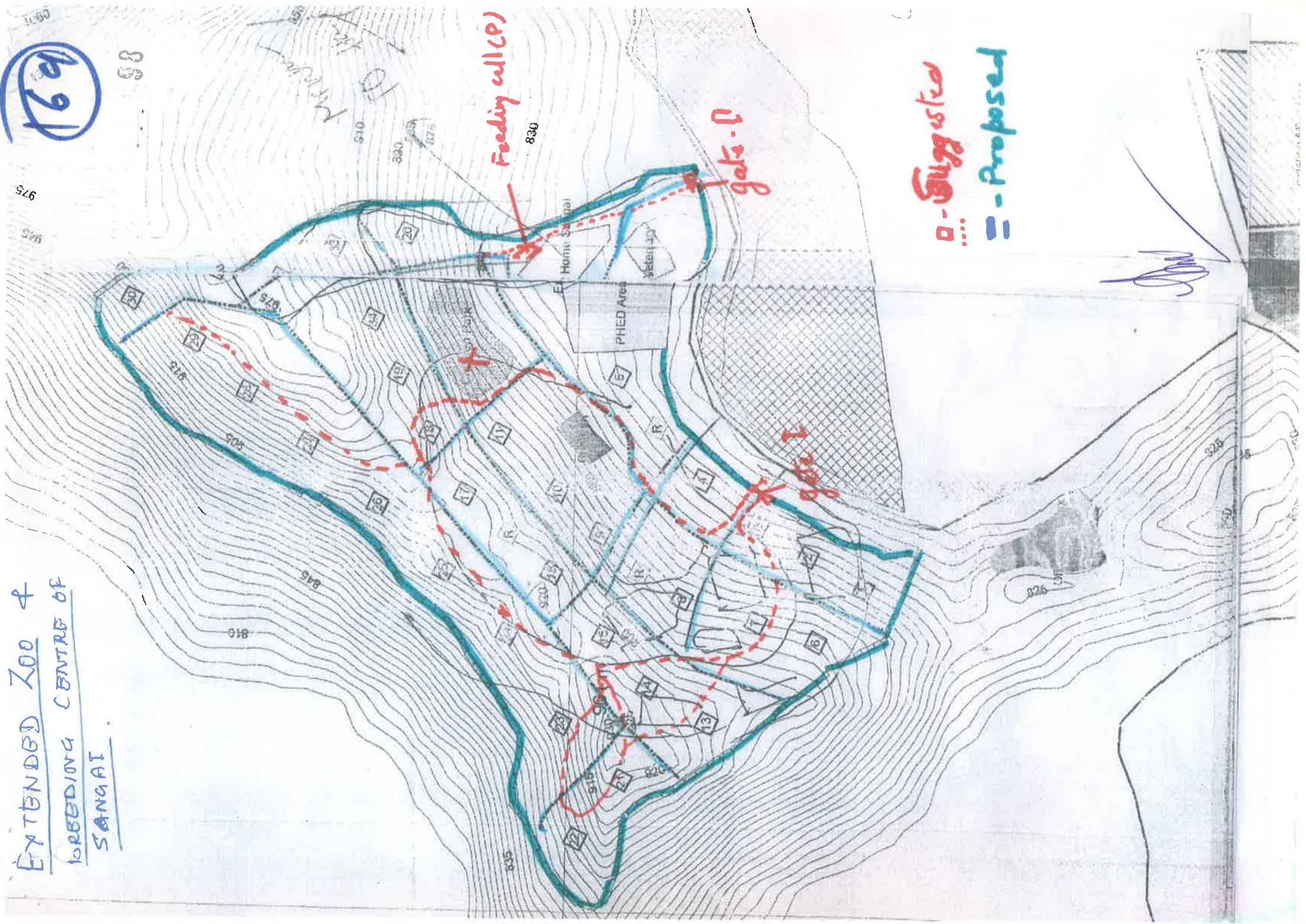
Range Officer
Manipur Zoological Garden
(Iroisemba)

Manipur Zoological Garden
Govt. of Manipur

EXTENDED ZOO & BREEDING CENTRE OF SANGAI

1691

98



□ - Suggested
■ - Proposed