

ASSAM STATE ZOO-CUM-  
BOTANICAL GARDEN

Annual Report for the year  
2019-20



## **Report of the Officer-in-charge**

The Assam State zoo is situated at the heart of the Guwahati city. It is part of Hengrabari RF and is spread across an area of 175 ha. 40 hectare is part of the Zoo area and the remaining is the forest land, having magnificent terrain and high flora and fauna diversity. This unique landscape of the zoo leaves everyone in awe. The Zoo boasts of 107 Species. The top 6 species of the Zoo are

1. Indian One Horn Rhinoceros
2. Royal Bengal Tiger
3. Hollock Gibbon
4. Golden Langur
5. Golden Cat
6. Giraffe

The Zoo is currently planning and development phase to upgrade itself from the current level in order to catch up with some of the best Zoos in the Country.

### **1. History of the Zoo**

In 1957, the 64th Indian National Congress Session was held at Pandu, which was then an active rail station and a very busy port on the south bank of the river Brahmaputra as the present Saraighat Bridge was then not in existence. To commemorate the session, Assam Forest Department arranged to display some wild animals for attracting and amusing both the delegates and the public. A female Leopard cub named Spotty drew crowds and was the principal attraction. The Congress Session ended but the animals had to be housed somewhere and this germinated the idea of a zoo in Assam. Initially the exhibited animals were shifted to Jalukbari Forest School campus and then to the Cutchery Forest Office, Panbazar, Guwahati. To create facilities to house those animals a hillock, with an area of 130 hectare of scenic landscape was selected. It was located near a village called Japorigog. Thus, Spotty and her animal friends formed the seed collection when the Assam State Zoo was established here in 1957 and opened to public a year later. The total number of animals and birds, at the time of the zoo's inception was 42 individuals (22 species) and 236 (31 species) respectively.

Over the years, what started off as a mere exhibition of animals grew and expanded to accommodate new prototype and examples. In course of time, a Museum and a Botanical Garden were added to the original layout. Due to public demand the focus was on having greater quantity of species and that too the more spectacular and eye-catching exotic ones. Thus, the zoo during various periods of time had Chimpanzees, White & Black Rhinos, Zebras, Ostriches and Giraffes from Africa; Puma, Jaguar and Llama from S. America and Kangaroos from Australia. With time, the importance shifted to indigenous species and role of zoos as ex-situ conservation centers also started gaining prominence. Accordingly, ASZBG began to emphasize on captive breeding programme and was successful in breeding several endangered species. As a part of this captive breeding exercise, 4 Pygmy Hogs, a species endemic to Assam, were brought from Barnadi RF in 1974 and kept in specially designed enclosures away from visitors. The efforts were rewarded, as 4 piglets were born in 1976. In 1970 White Winged Wood Ducks were regularly brought and they bred well in the zoo till they succumbed to disease. Wildlife that stray into Guwahati or are stranded in its vicinity or marooned elsewhere in the State are rescued and sent to the Assam State Zoo. As a matter of fact before the establishment of the Centre for Wildlife Rehabilitation and conservation (CWRC) at Panbari, near Kaziranga in 2002, Assam State Zoo was the only rescue centre for the entire state and was successful in rearing innumerable wild species ever since it was established. The rescued animals in Assam State Zoo make it a sort of source book of animals found in suburban Guwahati and also reflects the diversity of wildlife extant in the state. In 1982 a Botanical Garden (80 ha area) was established in the Assam State Zoo. At that time the zoo campus had an area of 130 ha. The Botanical Garden is located in the hilly landscape that lies east of the exhibit-area. In 2002 another 45 hectare area of the Hengrabari Reserved Forests was added to the Zoo. Today the total area of the zoo is 175 hectares. The zoo area was entirely hilly with a patch of plain domain that lies to its west i.e. near its entrance gate from the R.G.Baruah Road. Zoo authority procured a small strip of plain land on the south western part of the zoo area from a private owner. This is the area that lies between the Pelican and aquatic bird enclosures. During the period 1999-2000 almost 170 ha of zoo area was demarcated by erecting a boundary wall. Over a period of time, many housing facilities were created and several magnificent animals were housed in the zoo, however, many of these activities were undertaken in an ad hoc manner. When the Assam State Zoo was established an officer of the rank of Assistant Conservator of Forests was in-charge of the zoo. In 1959 a Forest Division i.e. Assam State Zoo Division was created and the Zoo was put under this Division. In the initial years the quantity of animals collected from the wild and procured from animal dealers and animal traders were more. The intention was to collect diverse species of animals, both indigenous and exotic, which had display value to the visitor. The general public of that time wished to view the

exotic animals as at that time the animal habitat of Assam were intact and the local people commonly sighted indigenous animals in the forests located in the proximity of their villages. The Assam State Zoo used to send indigenous animals like Indian one horned rhinoceros to many other countries and in return received exotic animals like Chimpanzee, Giraffe, Zebra, Kangaroo, Tapir etc. Since 1958 zoo management concepts has been evolving and Assam State Zoo cum Botanical Garden has coped and kept pace with the dynamics of such concepts and taken many enterprising measures. Today it exhibits an impressive collection of more than 1100 animals, birds and reptiles belonging to 113 species, both indigenous and exotic. Among them are rare and endangered species like the Great Indian One-Horned Rhinoceros, Giraffe, Pygmy Hog, Golden Langur, Hoolock Gibbon, Clouded Leopard, Brown-antlered Deer, Binturong, Slow Loris, Small Cats, Himalayan Serow, etc. (all endemic to North East India) and other non-endemic species like the Asian Elephant, Tiger, and Leopard. Under due guardianship the animals are exhibited in commodious, airy enclosures and regular supervision ensures that their diet, health and hygiene are handled under accepted prescriptions. The zoo today has a good zoo hospital with experienced veterinarians to look after the health care of the animals. Conservation breeding of several endangered species has been initiated to carry further its conservation awareness efforts, Assam state zoo cum Botanical Garden has of late, introduced a series of new outreach features for involving the public in its conservation efforts. One among them, which has become highly popular, is the Animal Adoption Scheme launched in August, 2005. The Zoo has also been actively involved in the rescue of wildlife that strays into the city and also in their treatment and eventual release into the wild. Assam State Zoo cum Botanical Garden has indeed come a long way, from a mere menagerie to one of the most important ex-situ conservation centres in the entire country of the total Zoo area, about 50 ha is occupied by animal enclosures and buildings. The Botanical Garden comprises 30 ha of land. The rest of the area is natural forest. Roughly 95 ha of forest are almost remains virgin and forms part of the Hengerabari RF. The vegetation type is a mixture of Tropical Moist Deciduous and Semi evergreen Forests, in different serial stages of secondary succession. Bamboo Forests which is another subset of this type is also well represented. There is a teak plantation on the eastern boundary with a patch of tall grass and scrub growing along the exposed slopes and a small sal patch planted during 1963.

## **2. Vision**

This Zoo envisions creating a mechanism for enhancing expertise on excellent upkeep and ex-situ conservation of the rare and endangered fauna and flora of the region.

## **3. Mission**

To sensitize people, in consistence with the finest upkeep of the species, through adequate visitation, recreation facilities and education in order to elicit support in conserving wild fauna and flora of the North East Bio-geographic zone; and to elevate Assam State Zoo-cum-Botanical Garden into an ideal institution for conservation breeding of the rare, endangered and endemic species of fauna of the Region.

## **4. Objective**

Focusing mainly in complementing and strengthening the national efforts in conservation of rich biodiversity, particularly the wild fauna of the Northeast region, following objectives of the Master Plan for Assam State Zoo cum Botanical Garden (ASZBG) are set:-

- i. To provide opportunities for doing scientific studies and creation of database useful for both in-situ and ex-situ conservation.
- ii. To carry out coordinated breeding of the endangered species of the region in ex- situ condition for restocking and reintroducing whenever required.
- iii. To provide an unique opportunity to visitors for wildlife education utilizing the ambience of the zoo in consistence with the adequate safety and upkeep of zoo for eliciting empathy towards wild fauna.
- iv. To provide adequate and near-natural housing for zoo captives by ensuring high standard health care and ethical treatment.
- v. To function as a rescue and rehabilitation centre for distressed wild fauna.

## **5. About us**

| S.No.                                  | Particulars                                    | Information  |
|--|--|--|
| <b>Basic Information about the Zoo</b> |  |  |
| 1                                      | Name of the Zoo                                | <b>Assam State Zoo -cum- Botanical Garden</b>  |
| 2                                      | Year of Establishment                          | <b>1972</b>  |
| 3                                      | Address of the Zoo                             | <b>R.G.Baruah Road, Guwahati-781005</b>  |
| 4                                      | State  | <b>Assam</b>   |
| 5                                      | Telephone Number                               | <b>Nil</b>   |
| 6                                      | Fax Number                                     | <b>Nil</b>   |
| 7                                      | E-mail address                                 | <a href="mailto:dfo.assamzoo@gmail.com">dfo.assamzoo@gmail.com</a>   |
| 8                                      | Website  | <a href="http://www.assamstatezoo.com">www.assamstatezoo.com</a>   |
| 9                                      | Distance from nearest                          | <b>Airport: LGBI Airport (27.0 Km)</b>   |
|  |  | <b>Railway Station: Paltanbazar Railway Station</b>  |
|  |  | <b>Bus Stand: ISBT (12.8 km)</b>   |
| 10                                     | Recognition Valid upto (Date)                  |  |
| 11                                     | Category of zoo                                | <b>Large</b>   |
| 12                                     | Area (in Hectares)                             | <b>175.0 hectares</b>  |
| 13                                     | Number of Visitors (Financial Year)            | <b>Total Visitors: 720292 Nos.</b>   |
| 14                                     | Visitors' Facilities Available in Zoo          | <b>Juice centres, Park, Cycling, Toilets, Battery Operated Cars, Wheelchairs, Bio Toilets, Water ATMs etc.</b> |
| 15                                     | Weekly Closure Day of the Zoo                  | <b>Friday</b>  |
| <b>Management Personnel of the zoo</b> |  |  |
| 16                                     | Name with designation of the Officer in-charge | <b>Sri Tejas Mariswamy, IFS, Divisional Forest Officer</b>   |
|  | Name of the Veterinary Officer                 | <b>Dr. Bijoy Gogoi, Forest Veterinary Officer</b>  |

\* Rule 2(m) of the Recognition of Zoo Rules, 2009.

*“Zoo Operator” means the person who has ultimate control over the affairs of the zoos provided that\_\_\_\_\_*

*I. in the case of a firm or other association of individuals, any one of the individual partners or members thereof; or*

*II. in the case of a company, any director, manager, secretary or other officer, who is in-charge of and responsible to the company for the affairs of the zoo; or*

*III. In case of zoo owned or controlled by the Central Government or any State Government or Union Territory Administration or any Trust or Society funded by the Central Government or a State Government or a Union Territory Administration, the Secretary of the concerned Department of that Government, or as the case may be the Union Territory Administration, shall be deemed to be the Zoo Operator.*

## 6. Organizational Chart

**DIVISION**

**DIVISIONAL FOREST OFFICER**

**Admin  
Wing**

**Veterinary  
Wing**

**Botanical  
Wing**

**Zoo H.Q.  
Range**

ACF  
Accountant  
Senior Assistant  
Junior Assistant  
Office Peon  
D-R

FVO  
Pathologist  
Lab Assistant  
F.V.S.F.A.  
F.V.F.A  
Peon

Asstt. Engineer  
Jr. Engineer  
Draftman  
Tech. Assistant  
Welder  
Plumber  
Pump Operator

Ranger  
Dy. Ranger  
Forester-I  
Forest Guard  
Mahout  
Head Animal  
Keeper, Animal  
Keeper  
G. Supervisor  
Asstt. G.S.  
Driver  
Mali  
Sweeper  
Gate Keeper  
Grass Cutter  
Chowkidar  
Night Chowikdar

## 7. Human Resources

### Manpower of the Zoo

| Sl. No. | Name of the post                      | Sanction post | People in position |
|---------|---------------------------------------|---------------|--------------------|
| 1       | D.C.F.                                | 1             | 1                  |
| 2       | A.C.F                                 | 1             | 1                  |
| 3       | F.V.O.                                | 1             | 1                  |
| 4       | Pathologist                           | 1             | 1                  |
| 5       | Wildlife Research & Education Officer | 1             | 1                  |
| 6       | Assistant Engineer                    | 1             | 1                  |
| 7       | Botanist                              | 1             | 0                  |
| 8       | Forest Ranger                         | 1             | 1                  |
| 9       | Dy. Ranger                            | 1             | 1                  |
| 10      | Game Keeper                           | 1             | 0                  |
| 11      | Jr. Engineer                          | 1             | 0                  |
| 12      | Draft Man                             | 1             | 1                  |
| 13      | Technical Asstt.                      | 1             | 1                  |
| 14      | Botanical Asstt.                      | 1             | 1                  |
| 15      | Herb. Asstt.                          | 1             | 0                  |
| 16      | Lab. Asstt.                           | 1             | 0                  |
| 17      | Accountant                            | 1             | 1                  |
| 18      | Senior Asstt.                         | 1             | 1                  |
| 19      | Junior Asstt.                         | 5             | 5                  |
| 20      | Store keeper                          | 1             | 0                  |
| 21      | Museum Curator                        | 1             | 1                  |
| 22      | Tracer                                | 1             | 0                  |
| 23      | Forester-I                            | 6             | 6                  |
| 24      | Forest Guard                          | 17            | 16                 |
| 25      | F.V.S.F.A                             | 1             | 0                  |
| 26      | F.V.F.A                               | 1             | 0                  |
| 27      | Plumber                               | 1             | 0                  |
| 28      | Pump operator                         | 2             | 0                  |
| 29      | Welder                                | 1             | 1                  |
| 30      | Carpenter                             | 1             | 0                  |
| 31      | Electric Mistry                       | 1             | 0                  |
| 32      | Garden Supervisor                     | 1             | 0                  |
| 33      | A.G. Supervisor                       | 1             | 1                  |
| 34      | Head G.Watcher                        | 1             | 0                  |
| 35      | Driver                                | 5             | 3                  |
| 36      | Handyman                              | 2             | 2                  |
| 37      | Mahut                                 | 4             | 3                  |
| 38      | Head Animal Keeper                    | 5             | 3                  |
| 39      | Animal Keeper                         | 22            | 15                 |
| 40      | G.F.C.                                | 3             | 1                  |
| 41      | Mali                                  | 8             | 3                  |
| 42      | Garden watcher                        | 1             | 0                  |
| 43      | Gate Keeper                           | 4             | 0                  |
| 44      | Grass cutter                          | 2             | 2                  |
| 45      | Office peon                           | 5             | 0                  |
| 46      | Dark Ranner                           | 1             | 0                  |
| 47      | Chowkider                             | 11            | 4                  |
| 48      | Night Chowkidar                       | 4             | 1                  |
| 49      | Sweeper                               | 12            | 2                  |
|         | <b>Total =</b>                        | <b>149</b>    | <b>82</b>          |

## 8. Capacity Building of zoo personnel

| Sl.No. | Name and designation of the zoo personnel | Subject matter of Training   | Period of Training        | Name of the Institution where the Training attended |
|--------|---|------------------------------|---------------------------|---|
| 1      | Mr. Bishnu Rava, Mahut                    | Mahout Training              | 25/03/2019 to 29/03/2019. | Assam State Zoo                                     |
| 2      | Mr.JadavKalita, Fgd.                      | Conservation Training (FTTI) | 06/09/2019 to 07/09/2019  | Assam State Zoo                                     |
| 3      | Mr. Pankaj das, Fgd.                      |                              |                           |   |

## 9. Health Advisory Committee-

### a. Date of constitution - 14/06/2011

### b. Members :

1. The Principal Chief Conservator of Forests, Wildlife & Chief Wildlife Warden-cum-**Chairman**, Assam, Aranya Bhawan, Panjabari, Guwahati 37.
2. The Divisional Forest Officer-cum-**Member Secretary**
3. The Dean, College of Veterinary Science, Assam Agriculture University, Khanapara, Guwahati-22. **(Member)**
4. The Director, Animal Husbandry & Veterinary, Department of Assam, Chenikuthi, Guwahati-03. **(Member)**
5. The Professor & Head, Department of Veterinary, Surgery and Radiology, College of Veterinary Science, Assam Agriculture University, Khanapara, Guwahati-22.**(Member)**
6. The Professor & Head, Department of Pathology, College of Veterinary Science, Assam Agriculture University, Khanapara, Guwahati-22.**(Member)**
7. The Chief Engineer, Public Health Engineering Department, Assam, Hengrabari, Guwahati-06. **(Member)**
8. The Professor & Head, Department of Nutrition, College of Veterinary Science, Assam Agriculture University, Khanapara, Guwahati-22.**(Member)**

### c. Dates on which Meetings held during the year : 20/01/2020

## 10. Statement of income and expenditure of the Zoo

**Budget Allotment (2019-20) :Rs. 14,82,15,880.00**

**Revenue of Zoo (2019-20):Rs 2,23,23,327.00**

## 11. Daily feed Schedule of animals :

| Vegetable |  |                  |                           |   |                                     |                                       |                                 |                          |
|-----------|--|------------------|---------------------------|---|-------------------------------------|---------------------------------------|---------------------------------|--------------------------|
| Sl. No.   | Name of animal/bird/reptile                              | Nos. of captives | Ration items (Food stuff) | Quantity required in kg or pcs/day per animal/bird /reptile | Daily requirement in kg (Col.3 x 5) | Total requirement in kg for 12 months | Total in kg/pcs/nos (Item wise) | Remarks                  |
| 1         | 2  | 3                | 4                         | 5   | 6                                   | 7                                     | 8                               | 9                        |
|           | Hippopotamus   | 5                | Carrot                    | 1   | 5                                   | 915                                   |                                 | Oct. to March (Seasonal) |
|           | Indian Rhino   | 6                | Carrot                    | 1   | 6                                   | 1098                                  |                                 | -do-                     |
|           | Elephant   | 4                | Carrot                    | 1   | 4                                   | 732                                   |                                 | -do-                     |
|           | Hog deer/ Spotted Deer/ Barking Deer                     | 111              | Carrot                    | 0.1   | 11.1                                | 2031.3                                |                                 | -do-                     |
|           | Four horned Antelope                                     | 14               | Carrot                    | 0.1   | 1.4                                 | 256.2                                 |                                 | -do-                     |
|           | Sambar deer  | 151              | Carrot                    | 0.1   | 15.1                                | 2763.3                                |                                 | -do-                     |
|           | Himalayan Black. Bear                                    | 6                | Carrot                    | 0.3   | 1.8                                 | 329.4                                 |                                 | -do-                     |
|           | Stump TailedMacaque/ Pig Taild Macaque/Assamese Macaque  | 9                | Carrot                    | 0.1   | 0.9                                 | 164.7                                 |                                 | -do-                     |
|           | Golden langur/Common langur/Capped langur                | 14               | Carrot                    | 0.1   | 1.4                                 | 256.2                                 |                                 | -do-                     |
|           | Girafee  | 2                | Carrot                    | 1   | 2                                   | 366                                   |                                 | -do-                     |
|           | Slow loris   | 6                | Carrot                    | 0.025   | 0.15                                | 27.45                                 |                                 | -do-                     |
|           | Black Buck   | 4                | Carrot                    | 0.1   | 0.4                                 | 73.2                                  |                                 | -do-                     |
|           | Mouse Deer   | 16               | Carrot                    | 0.1   | 1.6                                 | 292.8                                 |                                 | -do-                     |
|           | Porcupine  | 3                | Carrot                    | 0.1   | 0.3                                 | 54.9                                  |                                 | -do-                     |
|           | Cassowary  | 1                | Carrot                    | 0.1   | 0.1                                 | 18.3                                  |                                 | -do-                     |
|           | Parakeet   | 58               | Carrot                    | 0.01  | 0.58                                | 106.14                                | 9484.89                         | -do-                     |
|           | Porcupine  | 3                | Arum                      | 0.2   | 0.6                                 | 219                                   |                                 |                          |
|           | Pygmy hog  | 2                | Arum (Boiled)             | 0.1   | 0.2                                 | 73                                    | 292                             |                          |
|           | Elephant   | 4                | Garlic                    | 0.01  | 0.04                                | 14.6                                  | 14.6                            |                          |
|           | Budjerigar 80---11                                       | 11               | Chilly green              | 0.001   | 0.011                               | 4.015                                 |                                 |                          |
|           | Parakeet   | 58               | Chilly green              | 0.01  | 0.58                                | 211.7                                 | 215.715                         |                          |
|           | Hippopotamus   | 5                | Pumpkin                   | 0.5   | 2.5                                 | 912.5                                 |                                 |                          |
|           | Rhino  | 6                | Pumpkin                   | 0.5   | 3                                   | 1095                                  |                                 |                          |
|           | Himalayan Black. Bear                                    | 6                | Pumpkin                   | 1   | 6                                   | 2190                                  |                                 |                          |
|           | Porcupine  | 3                | Pumpkin                   | 0.2   | 0.6                                 | 219                                   | 4416.5                          |                          |
|           | Girafee  | 2                | Onion                     | 0.25  | 0.5                                 | 182.5                                 |                                 |                          |
|           | Pheasants/ Jungle Fowl                                   | 21               | Onion                     | 0.02  | 0.42                                | 153.3                                 |                                 |                          |
|           | Ostrich  | 2                | Onion                     | 0.1   | 0.2                                 | 73                                    | 408.8                           |                          |
|           | Pygmy hog  | 2                | Tomato                    | 0.05  | 0.1                                 | 36.5                                  |                                 |                          |
|           | Cassowary  | 1                | Tomato                    | 0.15  | 0.15                                | 54.75                                 | 91.25                           |                          |
|           | Stump Tailed/ Macaque Pig Taild Macaque/Assamese Macaque | 9                | Leafy vegetable (spinach) | 0.1   | 0.9                                 | 328.5                                 |                                 | (spinach)                |
|           | Golden langur/Common langur/Capped langur                | 14               | Leafy vegetable (spinach) | 0.1   | 1.4                                 | 511                                   |                                 | (spinach)                |
|           | Hoolock gibbon   | 6                | Leafy vegetable           | 0.1   | 0.6                                 | 219                                   |                                 | (spinach)                |



|  |  |     |                      |       |       |        |         |                           |
|--|--|-----|----------------------|-------|-------|--------|---------|---------------------------|
|  | Cassowary  | 1   | Leafy vegetable      | 0.1   | 0.1   | 36.5   |         | (spinach)                 |
|  | Swamp hen  | 4   | Leafy vegetable      | 0.015 | 0.06  | 21.9   |         | (spinach)                 |
|  | Aquatic Birds  | 150 | Leafy vegetable      | 0.02  | 3     | 1095   |         | (spinach)                 |
|  | Pheasants/ Jungle Fowl                                   | 21  | Leafy vegetable      | 0.02  | 0.42  | 153.3  |         | (spinach)                 |
|  | Emu  | 6   | Leafy vegetable      | 0.2   | 1.2   | 438    | 2803.2  | (spinach)                 |
|  | Mouse Deer   | 16  | Potato               | 0.05  | 0.8   | 292    |         |                           |
|  | Porcupine  | 3   | Potato               | 0.2   | 0.6   | 219    |         |                           |
|  | Girafee  | 2   | Potato               | 0.5   | 1     | 365    | 876     |                           |
|  | Golden langur/Common langur/Capped langur                | 14  | Egg Plant            | 0.05  | 0.7   | 255.5  | 255.5   |                           |
|  | Macaw  | 1   | Cucumber             | 0.1   | 0.1   | 36.5   |         |                           |
|  | Parakeet   | 58  | Cucumber             | 0.007 | 0.406 | 148.19 | 184.69  |                           |
|  | Hippopotamus   | 5   | Lessera (long beans) | 1     | 5     | 915    |         | April to Sept. (Seasonal) |
|  | Indian Rhino   | 6   | Lessera (long beans) | 1     | 6     | 1098   |         | -do-                      |
|  | Elephant   | 4   | Lessera (long beans) | 1     | 4     | 732    |         | -do-                      |
|  | Serow  | 3   | Lessera (long beans) | 1     | 3     | 549    |         | -do-                      |
|  | Stump Tailed/ Macaque Pig Taild Macaque/Assamese Macaque | 9   | Lessera (long beans) | 0.05  | 0.45  | 82.35  |         | -do-                      |
|  | Golden langur/Common langur/Capped langur                | 14  | Lessera (long beans) | 0.05  | 0.7   | 128.1  |         | -do-                      |
|  | Girafee  | 2   | Lessera (long beans) | 0.75  | 1.5   | 274.5  |         | -do-                      |
|  | Mouse Deer   | 16  | Lessera (long beans) | 0.05  | 0.8   | 146.4  | 3925.35 | -do-                      |
|  | Serow  | 3   | Green Pea whole      | 0.5   | 1.5   | 135    |         | Seasonal ( 90 days)       |
|  | Stump Tailed/ Macaque Pig Taild Macaque/Assamese Macaque | 9   | Green Pea whole      | 0.05  | 0.45  | 40.5   |         | Seasonal ( 90 days)       |
|  | Golden langur/Common langur/Capped langur                | 14  | Green Pea whole      | 0.05  | 0.7   | 63     |         | Seasonal ( 90 days)       |
|  | Mouse Deer   | 16  | Green Pea whole      | 0.1   | 1.6   | 144    | 382.5   | Seasonal ( 90 days)       |

## Fruits

|  |  |    |                |      |      |        |        |  |
|--|--|----|----------------|------|------|--------|--------|--|
|  | Pygmy hog  | 2  | Apple Kashmiri | 0.05 | 0.1  | 36.5   |        |  |
|  | Oriented Pied Horn bill                                  | 3  | Apple Kashmiri | 0.01 | 0.03 | 10.95  |        |  |
|  | Girafee  | 2  | Apple          | 0.4  | 0.8  | 292    |        |  |
|  | Slow loris   | 6  | Apple          | 0.02 | 0.12 | 43.8   |        |  |
|  | Ostrich  | 2  | Apple          | 0.1  | 0.2  | 73     | 456.25 |  |
|  | Himalayan Black. Bear                                    | 6  | Coconut        | ¼    | 1.5  | 547.5  |        |  |
|  | Golden langur/Common langur/Capped langur                | 14 | Coconut        | ¼    | 3.5  | 1277.5 |        |  |
|  | Stump Tailed/ Macaque Pig Taild Macaque/Assamese Macaque | 9  | Coconut        | ¼    | 2.25 | 821.25 |        |  |
|  | Pygmy hog  | 2  | Coconut        | ¼    | 0.5  | 182.5  |        |  |

|  |   |     |                   |      |      |        |        |          |
|--|---|-----|-------------------|------|------|--------|--------|----------|
|  | Porcupine   | 3   | Coconut           | ¼    | 0.75 | 273.75 | 3102.5 |          |
|  | Girafee   | 2   | Cheni<br>Banana   | 42   | 84   | 30660  |        |          |
|  | Slow loris  | 6   | Cheni<br>Banana   | 2    | 12   | 4380   |        |          |
|  | Hoolock Gibbon  | 6   | Cheni<br>Banana   | 5    | 30   | 10950  |        |          |
|  | Mouse Deer  | 16  | Cheni<br>Banana   | 3    | 48   | 17520  |        |          |
|  | Oriented Pied Horn bill                                     | 3   | Cheni<br>Banana   | 3    | 9    | 3285   |        |          |
|  | Indian Cuckoo   | 4   | Cheni<br>Banana   | 1    | 4    | 1460   |        |          |
|  | Hill Myna   | 14  | Cheni<br>Banana   | 2    | 28   | 10220  |        |          |
|  | Stump Tailed/ Macaque Pig Taild<br>Macaque/Assamese Macaque | 9   | Cheni<br>Banana   | 5    | 45   | 16425  | 94900  |          |
|  | Golden langur/Common<br>langur/Capped langur                | 14  | Malbhog<br>Banana | 4    | 56   | 20440  | 20440  |          |
|  | Stump Tailed/ Macaque Pig Taild<br>Macaque/Assamese Macaque | 9   | Pomegran<br>ate   | 0.05 | 0.45 | 164.25 |        |          |
|  | Hill Myna   | 14  | Pomegran<br>ate   | 0.05 | 0.7  | 255.5  |        |          |
|  | Macaw   | 1   | Pomegran<br>ate   | 0.05 | 0.05 | 18.25  |        |          |
|  | Indian Cuckoo   | 4   | Pomegran<br>ate   | 0.02 | 0.08 | 29.2   |        |          |
|  | Emu   | 6   | Pomegran<br>ate   | 0.5  | 3    | 1095   |        |          |
|  | Golden langur/Common<br>langur/Capped langur                | 14  | Pomegran<br>ate   | 0.05 | 0.7  | 255.5  |        |          |
|  | Hoolock Gibbon  | 6   | Pomegran<br>ate   | 0.05 | 0.3  | 109.5  | 1927.2 |          |
|  | Golden langur/Common<br>langur/Capped langur                | 14  | Ground<br>Nut     | 0.03 | 0.42 | 153.3  |        |          |
|  | Hill Myna   | 14  | Ground<br>Nut     | 0.02 | 0.28 | 102.2  |        |          |
|  | Macaw   | 1   | Ground<br>Nut     | 0.02 | 0.02 | 7.3    |        |          |
|  | Parakeet  | 58  | Ground<br>Nut     | 0.04 | 2.32 | 846.8  |        |          |
|  | Ostrich   | 2   | Ground<br>Nut     | 0.5  | 1    | 365    | 1474.6 |          |
|  | Emu   | 6   | Jahaji<br>Banana  | 10   | 60   | 21900  |        | (Lockal) |
|  | Cassowary   | 1   | Jahaji<br>Banana  | 10   | 10   | 3650   | 25550  |          |
|  | Hippopotamus  | 5   | Athia<br>Banana   | 12   | 60   | 21900  |        |          |
|  | Indian Rhino  | 6   | Athia<br>Banana   | 20   | 120  | 43800  |        |          |
|  | Elephant  | 4   | Athia<br>Banana   | 10   | 40   | 14600  |        |          |
|  | Nilgai  | 12  | Athia<br>Banana   | 2    | 24   | 8760   |        |          |
|  | Thamin Deer   | 68  | Athia<br>Banana   | 3    | 204  | 74460  |        |          |
|  | Serow   | 3   | Athia<br>Banana   | 5    | 15   | 5475   |        |          |
|  | Hog deer/ Spotted Deer/ Barking<br>Deer                     | 111 | Athia<br>Banana   | 2    | 222  | 81030  |        |          |
|  | Sambar Deer   | 151 | Athia<br>Banana   | 1    | 151  | 55115  |        |          |
|  | Himalayan Black Bear  | 6   | Athia<br>Banana   | 4    | 24   | 8760   |        |          |
|  | Black Buck  | 4   | Athia<br>Banana   | 2    | 8    | 2920   |        |          |
|  | Four horned Antelope  | 14  | Athia<br>Banana   | 1    | 14   | 5110   |        |          |
|  | Civet   | 16  | Athia<br>Banana   | 1    | 16   | 5840   | 327770 |          |
|  | Elephant  | 4   | Sugarcan          | 4    | 16   | 5840   |        |          |

|  |  |     |                      |       |      |       |        |                     |
|--|--|-----|----------------------|-------|------|-------|--------|---------------------|
|  | Himalayan Black Bear                                     | 6   | Sugarcan             | 1     | 6    | 2190  |        |                     |
|  | Pygmy hog  | 2   | Sugarcan             | 0.1   | 0.2  | 73    |        |                     |
|  | Macaw  | 1   | Sugarcan             | 0.1   | 0.1  | 36.5  |        |                     |
|  | Hill Myna  | 14  | Sugarcan             | 0.03  | 0.42 | 153.3 | 8292.8 |                     |
|  | Golden langur/Common langur/Capped langur                | 14  | Mausambi             | 0.1   | 1.4  | 511   | 511    |                     |
|  | Slow loris   | 6   | Papaya (Ripe)        | 0.1   | 0.6  | 219   |        | (Lockal)            |
|  | Cassowary  | 1   | Papaya               | 0.4   | 0.4  | 146   |        |                     |
|  | Hill Myna  | 14  | Papaya               | 0.04  | 0.56 | 204.4 |        |                     |
|  | Pygmy hog  | 2   | Papaya (Ripe)        | 0.05  | 0.1  | 36.5  |        |                     |
|  | Oriented Pied Horn bill                                  | 3   | Papaya               | 0.07  | 0.21 | 76.65 |        |                     |
|  | Indian cuckoo  | 4   | Papaya               | 0.03  | 0.12 | 43.8  | 726.35 |                     |
|  | Pygmy hog  | 2   | Sweet Potato         | 0.2   | 0.4  | 24    |        | Seasonal ( 60 days) |
|  | Porcupine  | 3   | Sweet Potato         | 0.2   | 0.6  | 36    |        | Seasonal ( 60 days) |
|  | Mouse Deer   | 16  | Sweet Potato         | 0.1   | 1.6  | 96    |        | Seasonal ( 60 days) |
|  | Himalayan Black Bear                                     | 6   | Sweet Potato         | 0.25  | 1.5  | 90    | 246    | Seasonal ( 60 days) |
|  | Elephant   | 4   | Wood apple           | 4     | 16   | 5840  |        |                     |
|  | Himalayan Black Bear                                     | 6   | Wood Apple           | 2     | 12   | 720   | 6560   |                     |
|  | Elephant   | 4   | Outenga              | 1     | 4    | 240   | 240    |                     |
|  | Stump Tailed/Macaque /Pig Taild Macaque/Assamese Macaque | 9   | Bogori (lockal plum) | 0.05  | 0.45 | 18    |        | Seasonal ( 40 days) |
|  | Golden langur/Common langur/Capped langur                | 14  | Bogori (lockal plum) | 0.05  | 0.7  | 28    |        | Seasonal ( 40 days) |
|  | Himalayan Black Bear                                     | 2   | Bogori (Local plum)  | 0.1   | 0.6  | 24    |        | Seasonal ( 40 days) |
|  | All deer   | 344 | Bogori (Local plum)  | 0.075 | 25.8 | 1032  | 1102   | Seasonal ( 40 days) |
|  | Stump Tailed/ Macaque Pig Taild Macaque/Assamese Macaque | 9   | Local Guava          | 0.05  | 0.45 | 27    |        | Seasonal ( 60 days) |
|  | Golden langur/Common langur/Capped langur                | 14  | Local Guava          | 0.05  | 0.7  | 42    |        | Seasonal ( 60 days) |
|  | Pygmy hog  | 2   | Local Guava          | 0.075 | 0.15 | 9     |        | Seasonal ( 60 days) |
|  | Himalayan Black Bear                                     | 3   | Local Guava          | 0.2   | 1.2  | 72    | 150    | Seasonal ( 60 days) |
|  | Stump Tailed/ Macaque Pig Taild Macaque/Assamese Macaque | 9   | Mango                | 0.15  | 1.35 | 81    |        | Seasonal ( 60 days) |
|  | Golden langur/Common langur/Capped langur                | 14  | Mango                | 0.15  | 2.1  | 126   |        | Seasonal (60 days)  |
|  | Pygmy hog  | 2   | Mango                | 0.05  | 0.1  | 6     |        | Seasonal ( 60 days) |
|  | Himalayan Black Bear                                     | 6   | Mango                | 0.2   | 1.2  | 72    | 285    | Seasonal ( 60 days) |
|  | Stump Tailed/ Macaque Pig Taild Macaque/Assamese Macaque | 9   | Pears                | 0.1   | 0.9  | 54    |        | Seasonal ( 60 days) |
|  | Golden langur/Common langur/Capped langur                | 14  | Pears                | 0.1   | 1.4  | 84    | 138    | Seasonal ( 60 days) |
|  | Stump Tailed/ Macaque Pig Taild Macaque/Assamese Macaque | 9   | Jamun                | 0.15  | 1.35 | 27    |        | Seasonal ( 20 days) |
|  | Golden langur/Common langur/Capped langur                | 14  | Jamun                | 0.15  | 2.1  | 42    |        | Seasonal (20 days)  |
|  | Hoolock gibbon   | 6   | Jamun                | 0.15  | 0.9  | 18    | 87     | Seasonal ( 20 days) |

|  |  |     |                             |       |       |       |       |                     |
|--|--|-----|-----------------------------|-------|-------|-------|-------|---------------------|
|  | Stump Tailed/ Macaque Pig Taild Macaque/Assamese Macaque | 9   | Panial (Indian coffee plum) | 0.025 | 0.225 | 6.75  |       | Seasonal (30 days)  |
|  | Golden langur/Common langur/Capped langur                | 14  | Panial (Indian coffee plum) | 0.025 | 0.35  | 10.5  |       | Seasonal (30 days)  |
|  | Hoolock gibbon   | 6   | Panial (Indian coffee plum) | 0.025 | 0.15  | 4.5   | 21.75 | Seasonal (30 days)  |
|  | Himalayan Black Bear                                     | 6   | Jackfruit                   | 2     | 12    | 720   | 720   | Seasonal (60 days)  |
|  | Stump Tailed/ Macaque Pig Taild Macaque/Assamese Macaque | 9   | Lateko (Burmese Grape)      | 0.025 | 0.225 | 9     |       | Seasonal (40 days)  |
|  | Golden langur/Common langur/Capped langur                | 14  | Lateko (Burmese Grape)      | 0.025 | 0.35  | 14    |       | Seasonal (40 days)  |
|  | Hoolock gibbon   | 6   | Lateko (Burmese Grape)      | 0.025 | 0.15  | 6     | 29    | Seasonal (40 days)  |
|  | Stump Tailed/ Macaque Pig Taild Macaque/Assamese Macaque | 9   | Lichi                       | 2     | 18    | 540   |       | Seasonal (30 days)  |
|  | Golden langur/Common langur/Capped langur                | 14  | Lichi                       | 2     | 28    | 840   |       | Seasonal (30 days)  |
|  | Slow Loris   | 6   | Lichi                       | 2     | 12    | 360   |       | Seasonal (30 days)  |
|  | Hoolock gibbon   | 6   | Lichi                       | 2     | 12    | 360   |       | Seasonal (30 days)  |
|  | Oriented pied horn bill                                  | 3   | Lichi                       | 1     | 3     | 90    |       | Seasonal (30 days)  |
|  | Binturang  | 1   | Lichi                       | 5     | 5     | 150   | 2340  | Seasonal (30 days)  |
|  | Stump Tailed/ Macaque Pig Taild Macaque/Assamese Macaque | 9   | Water Melon                 | 0.15  | 1.35  | 364.5 |       | Seasonal (270 days) |
|  | Golden langur/Common langur/Capped langur                | 14  | Water Melon                 | 0.15  | 2.1   | 567   |       | Seasonal (270 days) |
|  | Hoolock gibbon   | 6   | Water Melon                 | 0.1   | 0.6   | 162   |       | Seasonal (270 days) |
|  | Pygmy hog  | 2   | Water Melon                 | 0.1   | 0.2   | 54    |       | Seasonal (270 days) |
|  | Macaw  | 1   | Water Melon                 | 0.15  | 0.15  | 40.5  | 1188  | Seasonal (270 days) |
|  | All ders   | 344 | Amla (Min- 60 days)         | 0.075 | 25.8  | 1548  | 1548  | Seasonal (60 days)  |

## Grocery

|  |                                      |     |            |       |       |       |        |             |
|--|--------------------------------------|-----|------------|-------|-------|-------|--------|-------------|
|  | Hippopotamus                         | 5   | Black salt | 0.075 | 0.375 | 4.5   |        | Monthly     |
|  | Elephant                             | 4   | Black salt | 0.05  | 0.2   | 2.4   |        |             |
|  | Nilgai                               | 12  | Black salt | 0.05  | 0.6   | 7.2   |        |             |
|  | Thamin Deer                          | 68  | Black salt | 0.015 | 1.02  | 12.24 |        |             |
|  | Serow                                | 3   | Black salt | 0.02  | 0.06  | 0.72  |        |             |
|  | Hog deer/ Spotted Deer/ Barking Deer | 111 | Black salt | 0.015 | 1.665 | 19.98 |        |             |
|  | Four horned Antelope                 | 14  | Black salt | 0.015 | 0.21  | 2.52  |        |             |
|  | Black Buck                           | 4   | Black salt | 0.015 | 0.06  | 0.72  |        |             |
|  | Sambar Deer                          | 151 | Black salt | 0.015 | 2.265 | 27.18 | 77.46  |             |
|  | Elephant                             | 4   | Mollases   | 0.25  | 1     | 365   |        |             |
|  | Himalayan Black. Bear                | 6   | Mollases   | 0.05  | 0.3   | 109.5 |        | Provisional |
|  | Binturong                            | 1   | Mollases   | 0.05  | 0.05  | 18.25 |        |             |
|  | Girafee                              | 2   | Mollases   | 0.1   | 0.2   | 73    | 565.75 |             |

|  |                                      |     |                  |       |       |         |         |             |
|--|--------------------------------------|-----|------------------|-------|-------|---------|---------|-------------|
|  | Thamin Deer                          | 68  | Mustard Oil cake | 0.01  | 0.68  | 248.2   |         |             |
|  | Hog deer/ Spotted Deer/ Barking Deer | 111 | Mustard Oil cake | 0.01  | 1.11  | 405.15  |         |             |
|  | Four horned Antelope                 | 14  | Mustard Oil cake | 0.01  | 0.14  | 51.1    |         |             |
|  | Sambar Deer                          | 151 | Mustard Oil cake | 0.01  | 1.51  | 551.15  |         |             |
|  | Girafee                              | 2   | Mustard Oil cake | 0.6   | 1.2   | 438     |         |             |
|  | Black Buck                           | 4   | Mustard Oil cake | 0.01  | 0.04  | 14.6    |         |             |
|  | Aquatic Birds                        | 150 | Mustard Oil cake | 0.005 | 0.75  | 273.75  | 1981.95 |             |
|  | Cassowary                            | 1   | Bread Sliced     | 0.1   | 0.1   | 36.5    |         |             |
|  | Emu                                  | 6   | Bread Sliced     | 0.1   | 0.6   | 219     |         |             |
|  | Turtle                               | 60  | Bread Sliced     | 0.05  | 3     | 1095    |         |             |
|  | Macaw                                | 1   | Bread Sliced     | 0.01  | 0.01  | 3.65    | 1354.15 |             |
|  | Hippopotamus                         | 5   | Common salt      | 0.06  | 0.3   | 109.5   |         |             |
|  | Indian Rhino                         | 6   | Common salt      | 0.04  | 0.24  | 87.6    |         |             |
|  | Elephant                             | 4   | Common salt      | 0.04  | 0.16  | 58.4    |         |             |
|  | Nilgai                               | 12  | Common salt      | 0.01  | 0.12  | 43.8    |         |             |
|  | Thamin Deer                          | 68  | Common salt      | 0.005 | 0.34  | 124.1   |         |             |
|  | Hog deer/ Spotted Deer/ Barking Deer | 111 | Common salt      | 0.005 | 0.555 | 202.575 |         |             |
|  | Four horned Antelope                 | 14  | Common salt      | 0.005 | 0.07  | 25.55   |         |             |
|  | Sambar Deer                          | 151 | Common salt      | 0.005 | 0.755 | 275.575 |         |             |
|  | Girafee                              | 2   | Common salt      | 0.05  | 0.1   | 36.5    |         |             |
|  | Black Buck                           | 4   | Common salt      | 0.005 | 0.02  | 7.3     | 970.9   |             |
|  | Himalayan Black Bear                 | 6   | Honey            | 0.1   | 0.6   | 219     | 219     | Provisional |
|  | Indian Rhino                         | 6   | Brokrrn rice     | 0.25  | 1.5   | 547.5   |         |             |
|  | Nilgai                               | 12  | Brokrrn rice     | 0.085 | 1.02  | 372.3   |         |             |
|  | Thamin Deer                          | 68  | Brokrrn rice     | 0.07  | 4.76  | 1737.4  |         |             |
|  | Serow                                | 3   | Brokrrn rice     | 0.07  | 0.21  | 76.65   |         |             |
|  | Hog deer/ Spotted Deer/ Barking Deer | 111 | Brokrrn rice     | 0.05  | 5.55  | 2025.75 |         |             |
|  | Sambar Deer                          | 151 | Brokrrn rice     | 0.05  | 7.55  | 2755.75 |         |             |
|  | Black Buck                           | 4   | Brokrrn rice     | 0.05  | 0.2   | 73      | 7588.35 |             |
|  | Budjerigar 80---11                   | 11  | Bajara           | 0.005 | 0.055 | 20.075  |         |             |
|  | Peafowl                              | 3   | Bajara           | 0.01  | 0.03  | 10.95   |         |             |
|  | Read Jungle Fowl                     | 7   | Bajara           | 0.3   | 2.1   | 766.5   |         |             |
|  | Black headed ibis                    | 6   | Bajara           | 0.01  | 0.06  | 21.9    |         |             |
|  | Swamp hen                            | 4   | Bajara           | 0.01  | 0.04  | 14.6    |         |             |
|  | Pheasants/ Jungle Fowl               | 21  | Bajara           | 0.01  | 0.21  | 76.65   | 910.675 |             |
|  | Budjerigar 80---11                   | 11  | Kagni            | 0.05  | 0.55  | 200.75  |         |             |
|  | Peafowl                              | 3   | Kagni            | 0.01  | 0.03  | 10.95   |         |             |
|  | Read Jungle Fowl                     | 7   | Kagni            | 0.3   | 2.1   | 766.5   |         |             |
|  | Pheasants/ Jungle Fowl               | 21  | Kagni            | 0.01  | 0.21  | 76.65   | 1054.85 |             |

|  |                                      |     |                  |       |       |         |          |               |
|--|--------------------------------------|-----|------------------|-------|-------|---------|----------|---------------|
|  | Binturong                            | 1   | Rice             | 0.2   | 0.2   | 73      |          |               |
|  | Himalayan Black Bear                 | 6   | Rice             | 0.5   | 3     | 1095    |          | Provisional   |
|  | Budjerigar 80---11                   | 11  | Rice             | 0.002 | 0.022 | 8.03    |          |               |
|  | Peafowl                              | 3   | Rice             | 0.01  | 0.03  | 10.95   |          |               |
|  | Indian Cuckoo                        | 4   | Rice             | 0.01  | 0.04  | 14.6    |          |               |
|  | Hill Myna                            | 14  | Rice             | 0.01  | 0.14  | 51.1    |          |               |
|  | Pheasants/ Jungle Fowl               | 21  | Rice             | 0.01  | 0.21  | 76.65   |          |               |
|  | Cassowary                            | 1   | Rice             | 0.05  | 0.05  | 18.25   | 1347.58  |               |
|  | Pygmy hog                            | 2   | Flat Rice (Sira) | 0.05  | 0.1   | 18.2    | 18.2     | Alternate day |
|  | Elephant                             | 4   | Paddy            | 2     | 8     | 2920    |          |               |
|  | Budjerigar 80---11                   | 11  | Paddy            | 0.002 | 0.022 | 8.03    |          |               |
|  | Peafowl                              | 3   | Paddy            | 0.01  | 0.03  | 10.95   |          |               |
|  | Swamp hen                            | 4   | Paddy            | 0.01  | 0.04  | 14.6    |          |               |
|  | Parakeet                             | 58  | Paddy            | 0.005 | 0.29  | 105.85  |          |               |
|  | Aquatic Bird                         | 150 | Paddy            | 0.01  | 1.5   | 547.5   |          |               |
|  | Pheasants/ Jungle Fowl               | 21  | Paddy            | 0.01  | 0.21  | 76.65   | 3683.58  |               |
|  | Pygmy hog                            | 2   | Daliah           | 0.05  | 0.1   | 18.2    | 18.2     | Alternate day |
|  | Hippopotamus                         | 5   | Bengal gram      | 0.75  | 3.75  | 1368.75 |          |               |
|  | Indian Rhino                         | 6   | Bengal gram      | 1     | 6     | 2190    |          |               |
|  | Thamin Deer                          | 68  | Bengal gram      | 0.15  | 10.2  | 3723    |          |               |
|  | Serow                                | 3   | Bengal gram      | 0.25  | 0.75  | 273.75  |          |               |
|  | Hog deer/ Spotted Deer/ Barking Deer | 111 | Bengal gram      | 0.15  | 16.65 | 6077.25 |          |               |
|  | Four horned Antelope                 | 14  | Bengal gram      | 0.075 | 1.05  | 383.25  |          |               |
|  | Sambar Deer                          | 151 | Bengal gram      | 0.15  | 22.65 | 8267.25 |          |               |
|  | Girafee                              | 2   | Bengal gram      | 0.8   | 1.6   | 584     |          |               |
|  | Black Buck                           | 4   | Bengal gram      | 0.15  | 0.6   | 219     |          |               |
|  | Mouse Deer                           | 16  | Bengal gram      | 0.08  | 1.28  | 467.2   |          |               |
|  | Pygmy hog                            | 2   | Bengal gram      | 0.05  | 0.1   | 36.5    |          |               |
|  | Ostrich                              | 2   | Bengal gram      | 0.1   | 0.2   | 73      |          |               |
|  | Rhesus Macaque                       |     | Bengal gram      | 2     | 2     | 730     | 24392.95 | Free ranging  |
|  | Peafowl                              | 3   | Gram chatoo      | 0.05  | 0.15  | 54.75   |          |               |
|  | Pheasants/ Jungle Fowl               | 21  | Gram chatoo      | 0.05  | 1.05  | 383.25  |          |               |
|  | Hill Myna                            | 14  | Gram chatoo      | 0.02  | 0.28  | 102.2   | 540.2    |               |
|  | Hippopotamus                         | 5   | Mung kalai       | 0.375 | 1.875 | 684.375 |          |               |
|  | Indian Rhino                         | 6   | Mung kalai       | 0.25  | 1.5   | 547.5   |          |               |
|  | Elephant                             | 4   | Mung kalai       | 2     | 8     | 2920    |          |               |
|  | Nilgai                               | 12  | Mung kalai       | 0.1   | 1.2   | 438     |          |               |
|  | Thamin Deer                          | 68  | Mung kalai       | 0.05  | 3.4   | 1241    |          |               |
|  | Serow                                | 3   | Mung kalai       | 0.05  | 0.15  | 54.75   |          |               |
|  | Hog deer/ Spotted Deer/ Barking Deer | 111 | Mung kalai       | 0.05  | 5.55  | 2025.75 |          |               |
|  | Sambar Deer                          | 151 | Mung kalai       | 0.1   | 15.1  | 5511.5  |          |               |

|  |                                      |     |                       |       |       |         |           |             |
|--|--------------------------------------|-----|-----------------------|-------|-------|---------|-----------|-------------|
|  | Girafee                              | 2   | Mung kalai            | 0.25  | 0.5   | 182.5   |           |             |
|  | Black Buck                           | 4   | Mung kalai            | 0.05  | 0.2   | 73      | 13678.375 |             |
|  | Indian Rhino                         | 6   | Soya been flakes      | 0.25  | 1.5   | 547.5   |           |             |
|  | Nilgai                               | 12  | Soyabean flakes       | 0.15  | 1.8   | 657     |           |             |
|  | Thamin Deer                          | 68  | Soyabean flakes       | 0.1   | 6.8   | 2482    |           |             |
|  | Hog deer/ Spotted Deer/ Barking Deer | 111 | Soyabean flakes       | 0.1   | 11.1  | 4051.5  |           |             |
|  | Four horned Antelope                 | 14  | Soyabean flakes       | 0.05  | 0.7   | 255.5   |           |             |
|  | Sambar Deer                          | 151 | Soyabean flakes       | 0.15  | 22.65 | 8267.25 |           |             |
|  | Black Buck                           | 4   | Soyabean flakes       | 0.1   | 0.4   | 146     |           |             |
|  | Peafowl                              | 3   | Soyabean flakes       | 0.025 | 0.075 | 27.375  |           |             |
|  | Cassowary                            | 1   | Soyabean flakes       | 0.1   | 0.1   | 36.5    |           |             |
|  | Swamp hen                            | 4   | Soyabean flakes       | 0.025 | 0.1   | 36.5    |           |             |
|  | Emu                                  | 6   | Soyabean flakes       | 0.3   | 1.8   | 657     |           |             |
|  | Pheasants/ Jungle Fowl               | 21  | Soyabean flakes       | 0.025 | 0.525 | 191.625 |           |             |
|  | Aquatic Bird                         | 150 | Soyabean flakes       | 0.02  | 3     | 1095    | 18450.75  |             |
|  | Swamp hen                            | 4   | Oyster shell grid     | 0.01  | 0.04  | 14.6    |           |             |
|  | Aquatic Bird                         | 150 | Oyster shell grid     | 0.01  | 1.5   | 547.5   |           |             |
|  | Emu                                  | 6   | Oyster shell grid     | 0.02  | 0.12  | 43.8    |           |             |
|  | Pheasants/ Jungle Fowl               | 21  | Oyster shell grid     | 0.01  | 0.21  | 76.65   |           |             |
|  | Peafowl                              | 3   | Oyster shell grid     | 0.01  | 0.03  | 10.95   |           |             |
|  | Cassowary                            | 1   | Oyster shell grid     | 0.02  | 0.02  | 7.3     | 700.8     |             |
|  | Binturong                            | 1   | Amul spray/ Amul Taza | 0.1   | 0.1   | 36.5    |           |             |
|  | Himalayan Black Bear                 | 6   | Amul spray/ Amul Taza | 0.1   | 0.6   | 219     | 255.5     | Provisional |
|  |                                      |     | Lactogen-1            |       | 0     | 0       |           | Provisional |
|  |                                      |     | Lactogen-2            |       | 0     | 0       |           | Provisional |
|  |                                      |     | Nestum                |       | 0     | 0       |           | Provisional |
|  | Emu                                  | 6   | Broiler starter feed  | 0.25  | 1.5   | 547.5   |           |             |
|  | Ostrich                              | 2   | Broiler starter feed  | 0.5   | 1     | 365     | 912.5     |             |
|  | Indian Rhino                         | 6   | Maize pulv            | 0.5   | 3     | 1095    |           |             |
|  | Nilgai                               | 12  | Maize pulv            | 0.15  | 1.8   | 657     |           |             |
|  | Thamin Deer                          | 68  | Maize pulv            | 0.1   | 6.8   | 2482    |           |             |
|  | Sambar Deer                          | 151 | Maize pulv            | 0.15  | 22.65 | 8267.25 |           |             |
|  | Girafee                              | 2   | Maize pulv            | 1     | 2     | 730     | 13231.25  |             |
|  | Peafowl                              | 3   | Maize crashed         | 0.05  | 0.15  | 54.75   |           |             |
|  | Emu                                  | 6   | Maize crashed         | 0.45  | 2.7   | 985.5   |           |             |
|  | Pheasants/ Jungle Fowl               | 21  | Maize crashed         | 0.05  | 1.05  | 383.25  | 1423.5    |             |
|  | Pygmy hog                            | 2   | Maize (whole)         | 0.05  | 0.1   | 36.5    | 36.5      |             |

|  |  |     |                                 |       |       |         |         |  |
|--|--|-----|---------------------------------|-------|-------|---------|---------|--|
|  | Hippopotamus                                 | 5   | Wheat bran                      | 1.5   | 7.5   | 2737.5  |         |  |
|  | Indian Rhino                                 | 6   | Wheat bran                      | 1     | 6     | 2190    |         |  |
|  | Nilgai                                       | 12  | Wheat bran                      | 0.4   | 4.8   | 1752    |         |  |
|  | Thamin Deer                                  | 68  | Wheat bran                      | 0.3   | 20.4  | 7446    |         |  |
|  | Hog deer/ Spotted Deer/ Barking Deer         | 111 | Wheat bran                      | 0.3   | 33.3  | 12154.5 |         |  |
|  | Four horned Antelope                         | 14  | Wheat bran                      | 0.25  | 3.5   | 1277.5  |         |  |
|  | Sambar Deer                                  | 151 | Wheat bran                      | 0.4   | 60.4  | 22046   |         |  |
|  | Girafee                                      | 2   | Wheat bran                      | 1.5   | 3     | 1095    |         |  |
|  | Black Buck                                   | 4   | Wheat bran                      | 0.3   | 1.2   | 438     |         |  |
|  | Emu  | 6   | Wheat bran                      | 0.1   | 0.6   | 219     |         |  |
|  | Turtle                                       | 60  | Wheat bran                      | 0.025 | 1.5   | 547.5   | 51903   |  |
|  | Girafee                                      | 2   | wheat whole                     | 0.25  | 0.5   | 182.5   |         |  |
|  | Peafowl                                      | 3   | wheat whole                     | 0.025 | 0.075 | 27.375  |         |  |
|  | Cassowary                                    | 1   | wheat whole                     | 0.1   | 0.1   | 36.5    |         |  |
|  | Swamp hen                                    | 4   | wheat whole                     | 0.025 | 0.1   | 36.5    |         |  |
|  | Emu  | 6   | wheat whole                     | 0.075 | 0.45  | 164.25  |         |  |
|  | Pheasants/ Jungle Fowl                       | 21  | wheat whole                     | 0.025 | 0.525 | 191.625 | 638.75  |  |
|  | <b>Fish</b>                                  |     |                                 |       |       |         |         |  |
|  | Gharial - 2 No.                              | 2   | Big Fish                        | 6     | 12    | 432     | 432     | March to November Weekly. Big- Rahu, Bhakua etc.   |
|  | Adjutant stork                               | 10  | Big Fish                        | 1     | 10    | 3650    |         | March to November Weekly. Big- Rahu, Bhakua etc.   |
|  | Pariah kite 20---3                           | 3   | Big Fish                        | 0.1   | 0.3   | 109.5   | 3759.5  | Rohu, Bhakua, etc.                                 |
|  | Gharial - 2 No.                              | 2   | Live big fish                   | 2     | 4     | 144     | 144     | March to November Weekly (Sol)                     |
|  | Pelican                                      | 28  | Medium/S mall Fish 100 gm.each. | 1     | 28    | 10220   | 10220   | Live- Rahu, Mirika, Bhoung,                        |
|  | Pelican                                      | 28  | Medium/S mall Fish 100 gm.etch  | 1     | 28    | 10220   |         | Dead- Rahu, Mirika, Bhoung , Puthi, Darikana, etc. |
|  | Cattle Egret                                 | 9   | Medium/S mall fish(100 gm.etch) | 0.05  | 0.45  | 164.25  |         | Dead Rahu, Mirga, Bhoung , Puthi, Darikana, etc.   |
|  | Lesser Whistling teal                        | 13  | Small fish                      | 0.05  | 0.65  | 237.25  |         |  |
|  | Black headed ibis                            | 6   | Small fish                      | 0.05  | 0.3   | 109.5   |         |  |
|  | Swamp hen                                    | 4   | Small fish                      | 0.1   | 0.4   | 146     |         |  |
|  | Night heron                                  | 8   | Small fish                      | 0.03  | 0.24  | 87.6    |         |  |
|  | Aquatic Bird                                 | 150 | Small Fish                      | 0.05  | 7.5   | 2737.5  | 13702.1 |  |
|  | <b>Mutton/Beef/Chicken/Egg/Brolier chick</b> |     |                                 |       |       |         |         |  |
|  | Steppe eagle                                 | 1   | Mutton with bone                | 0.4   | 0.4   | 124.8   |         | 312 days   |
|  | Vulture                                      | 8   | Mutton with bone                | 2     | 16    | 4992    |         | 312 days   |



|  |                                     |    |                                  |      |      |       |         |                                   |
|--|-------------------------------------|----|----------------------------------|------|------|-------|---------|-----------------------------------|
|  | <b>Egyptian Vulture</b>             | 2  | <b>Mutton with bone</b>          | 0.5  | 1    | 312   | 5428.8  | 312 days                          |
|  | <b>Cassowary</b>                    | 1  | <b>Mutton liver</b>              | 0.1  | 0.1  | 31.2  | 31.2    | 6 days weekly                     |
|  | <b>Monitor lizard</b>               | 3  | <b>Mutton (Boneless)</b>         | 0.1  | 0.3  | 46.8  |         | 3 days                            |
|  | <b>Pariah kite 20---3</b>           | 3  | <b>Mutton (Boneless)</b>         | 0.1  | 0.3  | 93.6  |         | 312 days                          |
|  | <b>Brown fish owl</b>               | 2  | <b>Mutton (Boneless)</b>         | 0.15 | 0.3  | 46.8  | 187.2   | 3 days                            |
|  | <b>Lion</b>                         | 3  | <b>Beef with bone</b>            | 8    | 24   | 4200  |         | March to Oct. 8 kg. weekly 5 days |
|  | <b>Lion</b>                         | 3  | <b>Beef with bone</b>            | 10   | 30   | 2550  |         | Nov. to Feb. 10 kg weekly 5 days  |
|  | <b>Indian Tiger/White Tiger</b>     | 6  | <b>Beef with bone</b>            | 8    | 48   | 8400  |         | March to Oct. 8 kg. weekly 5 days |
|  | <b>Indian Tiger/White Tiger</b>     | 6  | <b>Beef with bone</b>            | 10   | 60   | 5100  |         | Nov. to Feb. 10 kg weekly 5 days  |
|  | <b>Common Leopard/Black panther</b> | 25 | <b>Beef with bone</b>            | 3    | 75   | 15600 |         | weekly 4 days                     |
|  | <b>Jackal</b>                       | 10 | <b>Beef with bone</b>            | 1    | 10   | 3120  |         | weekly 6 days                     |
|  | <b>Hyena</b>                        | 3  | <b>Beef with bone</b>            | 2    | 6    | 1872  |         | weekly 6 days                     |
|  | <b>Mugger</b>                       | 9  | <b>Beef with bone</b>            | 1    | 9    | 108   | 40950   | Dec. to Feb. weekly               |
|  | <b>Indian Tiger/White Tiger</b>     | 6  | <b>Beef liver</b>                | 0.25 | 1.5  | 156   |         | weekly 2 days                     |
|  | <b>Lion</b>                         | 3  | <b>Beef liver</b>                | 0.25 | 0.75 | 78    |         | weekly 2 days                     |
|  | <b>Common Leopard/Black panther</b> | 25 | <b>Beef liver</b>                | 0.1  | 2.5  | 260   |         | weekly 2 days                     |
|  | <b>Jackal</b>                       | 10 | <b>Beef liver</b>                | 0.1  | 1    | 104   |         | weekly 2 days                     |
|  | <b>Hyena</b>                        | 3  | <b>Beef liver</b>                | 0.1  | 0.3  | 31.2  | 629.2   | weekly 2 days                     |
|  | <b>Common Leopard/Black panther</b> | 25 | <b>Chicken (dressed brolier)</b> | 3    | 75   | 3900  |         | 1 day weekly                      |
|  | <b>Civet</b>                        | 16 | <b>Chicken (dressed brolier)</b> | 0.5  | 8    | 2496  |         | 6 day weekly                      |
|  | <b>Golden Cat</b>                   | 2  | <b>Chicken (dressed brolier)</b> | 1    | 2    | 624   |         | 6 day weekly                      |
|  | <b>Leopard Cat</b>                  | 10 | <b>Chicken (dressed brolier)</b> | 0.4  | 4    | 1248  |         | 6 day weekly                      |
|  | <b>Jungle Cat</b>                   | 5  | <b>Chicken (dressed brolier)</b> | 0.5  | 2.5  | 780   |         | 6 day weekly                      |
|  | <b>Adjutant stork</b>               | 10 | <b>Chicken (dressed brolier)</b> | 0.5  | 5    | 1825  |         | Including Friday                  |
|  | <b>Steppe eagal</b>                 | 1  | <b>Chicken (dressed brolier)</b> | 0.4  | 0.4  | 124.8 |         | 6 day weekly                      |
|  | <b>Brown fish owl</b>               | 2  | <b>Chicken (dressed brolier)</b> | 0.15 | 0.3  | 46.8  | 11044.6 | 3 day weekly                      |
|  | <b>Python</b>                       | 5  | <b>Chicken (lockal live)</b>     | 0.6  | 3    | 117   | 117     | 9 months                          |
|  | <b>Binturong</b>                    | 1  | <b>Chicken Egg</b>               | 1    | 1    | 365   |         |                                   |
|  | <b>Himalayan Black Bear</b>         | 6  | <b>Chicken Egg</b>               | 1    | 6    | 2190  |         |                                   |
|  | <b>Slow Loris</b>                   | 6  | <b>Chicken Egg</b>               | 1    | 6    | 1092  |         | Alternate day                     |
|  | <b>Goolock Gibbon</b>               | 6  | <b>Chicken Egg</b>               | 1    | 6    | 1092  |         | Alternate day                     |
|  | <b>Monitor lizard</b>               | 3  | <b>Chicken Egg</b>               | 2    | 6    | 936   |         | 3 days weekly                     |
|  | <b>Pygmy hog</b>                    | 2  | <b>Chicken Egg</b>               | 1    | 2    | 104   |         | weekly                            |

|   |   |     |                        |     |       |         |        |               |
|---|---|-----|------------------------|-----|-------|---------|--------|---------------|
|   | Cassowary                                 | 1   | Chicken Egg            | 1   | 1     | 182     |        | Alternate day |
|   | Golden langur/Common langur/Capped langur | 14  | Chicken Egg            | 1   | 14    | 5110    | 11071  |               |
|   | Snake                                     | 32  | Day old broilder chick | 100 | 100   | 900     | 900    | 9 months      |
| <b>Green Fodder /Tree Leaves/ Banana Tree</b> |   |     |                        |     |       |         |        |               |
|   | Hippopotamus                              | 5   | Green fodder           | 50  | 250   | 91250   |        |               |
|   | Indian Rhino                              | 6   | Green fodder           | 50  | 300   | 109500  |        |               |
|   | Elephant                                  | 4   | Green fodder           | 50  | 200   | 73000   |        |               |
|   | Nilgai                                    | 12  | Green fodder           | 5   | 60    | 21900   |        |               |
|   | Thamin Deer                               | 68  | Green fodder           | 4   | 272   | 99280   |        |               |
|   | Sambar deer                               | 151 | Green fodder           | 5   | 755   | 275575  |        |               |
|   | Hog deer/ Spotted Deer/ Barking Deer      | 111 | Green fodder           | 2   | 222   | 81030   |        |               |
|   | Four horned Antelope                      | 14  | Green fodder           | 2   | 28    | 10220   |        |               |
|   | Black Buck                                | 4   | Green fodder           | 2   | 8     | 2920    | 764675 |               |
|   | Elephant                                  | 4   | Banana tree            | 7   | 28    | 10220   | 10220  |               |
|   | Indian Rhino                              | 6   | Local Tree leaves      | 40  | 240   | 87600   |        |               |
|   | Elephant                                  | 4   | Local Tree leaves      | 40  | 160   | 58400   |        |               |
|   | Serow                                     | 3   | Local Tree leaves      | 7   | 21    | 7665    |        |               |
|   | Girafee                                   | 2   | Local Tree leaves      | 60  | 120   | 43800   | 197465 |               |
|   | Hog deer/ Spotted Deer/ Barking Deer      | 111 | Local Tree leaves      | 1.5 | 166.5 | 60772.5 |        |               |
|   | Thamin Deer                               | 68  | Local Tree leaves      | 1.5 | 102   | 37230   |        |               |
|   | Sambar deer                               | 151 | Local Tree leaves      | 1.5 | 226.5 | 82672.5 |        |               |
|   | Four horned Antelope                      | 14  | Local Tree leaves      | 1.5 | 21    | 7665    |        |               |
|   | Nilgai                                    | 12  | Local Tree leaves      | 1.5 | 18    | 6570    |        |               |
|   | Black Buck                                | 4   | Local Tree leaves      | 1.5 | 6     | 2190    | 197100 |               |

## 12. Vaccination Schedule of animals

| Sl No | Name of the vaccine       | Disease covered      | SPP/Animals to be given |
|-------|---------------------------|----------------------|-------------------------|
| 1     | FMD Vaccine               | Foot & Mouth disease | Raksha-O Vac            |
| 2     | Anti Rabies vaccine (ARV) | Against Rabies       | RakshaRab/<br>Rabigen   |
| 3     | Antrtaxspote Vaccine      | Against Anthrox      | Rakksha anthrax         |
| 4     | Fel-O-vex(pcligen)        | Against              | Tetanus Vac             |
| 5     | *Imidocarb                | Tetanus              | Tetanus Vac             |

### 13. De-worming Schedule of animals

#### De-worming schedule of all Birds :

| Sl No. | Species | Drug used   | 6 months interval |      |
|--------|---------|-------------|-------------------|------|
| 1      | Birds   | FENTASBOLUS | -do-              | 2019 |
| 2      | Birds   | FENTASBOLUS | -do-              | 2019 |
| 3      | Birds   | OXZOL       | -do-              | 2020 |

#### De-worming schedule of all Langur and macaque :

| Sl No. | Species            | Drug used      | 6 months interval |      |
|--------|--------------------|----------------|-------------------|------|
| 1      | Langur and macaque | ALBENDAZOLE    | -do-              | 2019 |
| 2      | Langur and macaque | FENTASBOLUS    | -do-              | 2019 |
| 3      | Langur and macaque | BANDYKIND PLUS | -do-              | 2020 |

### 14. Disinfection Schedule

| Disinfectant/ Water sanitizer Used   | Disinfectant/ Water sanitizer | Mode of application | Where used        | Schedule |
|--|-------------------------------|---------------------|-------------------|----------|
| Kohrsolin (Glutareldehyde) Solution  | Disinfectant                  | Spray               | Inside enclosure  | Weekly   |
| Bleaching powder + Lime powder   | Disinfectant                  | Dusting             | Outside enclosure | Weekly   |
| Sanvir (Sodium dichloroisocyanurate) Tablet/ Kohrsolin (Glutareldehyde) Solution | Water sanitizer               | Water treatment     | Aquatic enclosure | Weekly   |

### 15. Education and Awareness programmes during the year

Zoo itself is a place where people can gather education, knowledge and recreation. There are display boards in the enclosure as well as in the trees. In that display board lots of information are given. From that display board people have some ideas about Animals and Plants. Several educational activities are undertaken regularly in the zoo to create awareness among the people more particularly among the students and children. However no well-structured education plan is available. Students and children are given 50% concession of entry fee. Some of the educational activities undertaken regularly in the zoo are as follows:

- i. Wildlife week- 1<sup>st</sup> to 7<sup>th</sup> October
- ii. Stump Tailed Macaque day – 3<sup>rd</sup> July
- iii. Earth Day- 22<sup>nd</sup> April
- iv. World environment day -5<sup>th</sup> June
- v. Vanamohatsava -1<sup>st</sup> to 7<sup>th</sup> July
- vi. International Biodiversity Day- 22<sup>nd</sup> May
- vii. Wildlife Photo exhibition
- viii. Seminars
- ix. Interaction with the students etc.

While observing the days, drawing competition, quiz competition, seminar, workshop, film show etc are organized. Local NGOs, students and children are also involved in such programme. Research Work carried out and publications.

### 16. Important Events and happenings.

1. Wildlife week- 1<sup>st</sup> to 7<sup>th</sup> October
2. Stump Tailed Macaque day – 3<sup>rd</sup> July
3. Earth Day- 22<sup>nd</sup> April
4. World environment day -5<sup>th</sup> June
5. Vanamahotsava -1<sup>st</sup> to 7<sup>th</sup> July
6. International Biodiversity Day- 22<sup>nd</sup> May
7. Wildlife Photo exhibition
8. Seminars
9. Interaction with the students etc.
10. Capacity Building Programmes

While observing the days, drawing competition, quiz competition, seminar, workshop, film show etc are organized.

Apart from this, birthdays of animals also celebrated in the Zoo.

### 17. Conservation Breeding Programme of the Zoo

Assam State Zoo is actively carrying out the Conservation breeding program for Indian One Horned Rhinoceros, Golden Langur, Himalayan Serow, Golden Cat and the Zoo has achieved considerable success.

### 18. Animal acquisition / transfer / exchange during the year

| A.  | Animals arrived in the Zoo  |                    |              |   |                                 |
|-----|-----------------------------|--------------------|--------------|---|---------------------------------|
|     | H.NO.                       | Species            | Number (M:F) | From which Zoo  | Date of arrival in the zoo      |
| I   | 1                           | Giraffe            | 0:1:0        | Sanjay Gandhi Biological Park, Patna                      | 2020                            |
|     | 2                           | Gharial            | 1:2:0        |   |                                 |
|     | 3                           | Swamp Deer         | 1:2:0        |   |                                 |
| II  | 1                           | Royal Bengal Tiger | 1:0:0        | Sri Chamrajendra Zoological Park, Mysore                  | 2019                            |
|     | 2                           | Black Buck         | 1:1:0        |   |                                 |
|     | 3                           | Common Peafowl     | 0:2:0        |   |                                 |
| III | 1                           | Lady Amherst       | 1:1:0        | Padmaja Naidu Himalayan Zoological Park, Himachal Pradesh | 2019                            |
|     | 2                           | Golden Pheasant    | 1:1:0        |   |                                 |
|     | 3                           | Silver Pheasant    | 1:1:0        |   |                                 |
| IV  | 1                           | Ostrich            | 1:1          | Bhagwan Birsa Biological Park, Bihar                      | 2019                            |
|     | 2                           | Striped Hyena      | 1:1          |   |                                 |
| V   | 1                           | Giraffe            | 1:0          | Sri Chamrajendra Zoological Park, Mysore                  | 2020                            |
|     | 2                           | Black Swan         | 2:2          |   |                                 |
| B.  | Animals spared from the zoo |                    |              |   |                                 |
|     | H.NO.                       | Species            | Number (M:F) | Going to which Zoo  | Date of deposition from the zoo |

|     |   |                        |       |   |      |
|-----|---|------------------------|-------|---|------|
| I   | 1 | One Horned Rhinoceros  | 1:0   | Sanjay Gandhi Biological Park, Patna                      | 2020 |
|     | 2 | Leopard (Black)        | 0:1   |   |      |
|     | 3 | Sangai (Manipuri Deer) | 4:4   |   |      |
| II  | 1 | Great White Pelican    | 2:2   | Sri Chamrajendra Zoological Park, Mysore                  | 2019 |
|     | 2 | Brahminy Shell Duck    | 1:1   |   |      |
|     | 3 | Deer Barking           | 2:2   |   |      |
|     | 4 | Brow Antlered Deer     | 1:1   |   |      |
|     | 5 | Four Horned Antelope   | 1:1   |   |      |
|     | 6 | Leopard Cat            | 1:1   |   |      |
| III | 1 | Slow Loris             | 1:0:0 | Padmaja Naidu Himalayan Zoological Park, Himachal Pradesh | 2019 |
| IV  | 1 | Black Panther          | 1:0   | Bhagwan Birsa Biological Park, Bihar                      | 2019 |
|     | 2 | Leopard Cat            | 2:1   |   |      |
|     | 3 | Mouse Deer             | 2:2   |   |      |
| V   | 1 | One Horned Rhinoceros  | 0:1   | Sri Chamrajendra Zoological Park, Mysore                  | 2020 |
|     | 2 | Hoolock Gibbon         | 0:1   |   |      |

### 19. Annual Inventory of animals

#### \*ENDANGERED SPECIES

| S.No. | ANIMAL NAME                | Scientific name                  | Closing stock as on 31/03/2020 |          |           |           |
|-------|----------------------------|----------------------------------|--------------------------------|----------|-----------|-----------|
|       |                            |                                  | M                              | F        | U         | T         |
|       | <b>BIRD</b>                |                                  |                                |          |           |           |
| 1     | * HILL MYNA                | <i>Gracula religiosa</i>         | 0                              | 0        | 14        | 14        |
| 2     | *KALIJ PHEASANT            | <i>Lophura leucomelanos</i>      | 0                              | 0        | 1         | 1         |
| 3     | *ORIENTAL PIED HORNBILL    | <i>Anthracoceros albirostris</i> | 0                              | 0        | 3         | 3         |
| 4     | *HIMALAYAN GRIFFON VULTURE | <i>Gyps himalayensis</i>         | 0                              | 0        | 10        | 10        |
| 5     | *EGYPTIAN VULTURE          | <i>Neohron percnopterus</i>      | 1                              | 1        | 0         | 2         |
| 6     | *PEAFOWL                   | <i>Pavo cristatus</i>            | 2                              | 1        | 0         | 3         |
|       |                            | <b>Total</b>                     | <b>3</b>                       | <b>2</b> | <b>28</b> | <b>33</b> |

#### \* OTHER THAN ENDANGERED SPECIES

| S.No. | ANIMAL NAME              | Scientific name                | Closing stock as on 31/03/2020 |   |    |    |
|-------|--------------------------|--------------------------------|--------------------------------|---|----|----|
|       |                          |                                | M                              | F | U  | T  |
| 1     | BUDGERIGAR               | <i>Melopsittacus undulatus</i> | 0                              | 0 | 25 | 25 |
| 2     | DOUBLE WATTLED CASSOWARY | <i>Casuaris casuaris</i>       | 1                              | 0 | 0  | 1  |
| 3     | KITE PARIAH              | <i>Milvus migrans govinda</i>  | 0                              | 0 | 2  | 2  |

|    |                          |                                    |           |           |            |            |
|----|--------------------------|------------------------------------|-----------|-----------|------------|------------|
| 4  | BLUE AND YELLOW MACAW    | <i>Ara ararauna</i>                | 1         | 0         | 0          | 1          |
| 5  | BLACK HEADED IBIS        | <i>Threskiornis melanocephalus</i> | 0         | 0         | 6          | 6          |
| 6  | WATER HEN WHITE BREASTED | <i>Amaurionis phoenicurus</i>      | 0         | 0         | 14         | 14         |
| 7  | CATTLE EGRET             | <i>Bubulcus ibis</i>               | 0         | 0         | 9          | 9          |
| 8  | GREATER ADJUTANT STORK   | <i>Leptoptilos dubius</i>          | -1        | -1        | 16         | 14         |
| 9  | LESSER ADJUTANT STORK    | <i>Leptoptilos javanicus</i>       | 0         | 0         | 6          | 6          |
| 10 | PARAKEET ALEXANDRINE     | <i>Psittacula eupatria</i>         | 1         | 1         | 1          | 3          |
| 11 | PARAKEET PLUM-HEADED     | <i>Psittacula cyanocephala</i>     | 0         | 1         | 1          | 2          |
| 12 | PARAKEET ROSE-RINGED     | <i>Psittacula krameri</i>          | 0         | 0         | 49         | 49         |
| 13 | PELICAN GREAT WHITE      | <i>Psittacula onocrotalus</i>      | 0         | 0         | 26         | 26         |
| 14 | PURPLE SWAMP HEN         | <i>Porphyrio porphyrio</i>         | 1         | 2         | 1          | 4          |
| 15 | INDIAN CUCKOO            | <i>Eudynamis scolopacea</i>        | 1         | 1         | 0          | 2          |
| 16 | SILVER PHEASANT          | <i>Lophura-mycthemera</i>          | 2         | 1         | 1          | 4          |
| 17 | PHEASANT GOLDEN          | <i>Chrysolophus pictus</i>         | 2         | 5         | 1          | 8          |
| 18 | CROW PHEASANT            | <i>Centropus sinensis</i>          | 1         | 1         | 6          | 8          |
| 19 | NIGHT HERON              | <i>Nycticorax nycticorax</i>       | 0         | 0         | 8          | 8          |
| 20 | WHISTLING TEAL LESSER    | <i>Dendrocygna javanic</i>         | 0         | 0         | 14         | 14         |
| 21 | BARN OWL                 | <i>Tyto alba</i>                   | 0         | 0         | 11         | 11         |
| 22 | RED JUNGLE FOWL          | <i>Gallus gallus</i>               | 3         | 1         | 6          | 10         |
| 23 | EMU                      | <i>Dromaius novaehollandae</i>     | 2         | 3         | 1          | 6          |
| 24 | FINCHES (ZEBRA FINCH)    | <i>Chloebia Sps.</i>               | 0         | 0         | 2          | 2          |
| 25 | BROWN FISH OWL           | <i>Ketupa zeylonensis</i>          | 0         | 0         | 2          | 2          |
| 26 | EAGLE EASTERN STEPPE     | <i>Aquila nipalensis</i>           | 0         | 0         | 1          | 1          |
| 27 | FERRUGINOUS POCHARD      | <i>Aythya myroca</i>               | 0         | 0         | 2          | 2          |
| 28 | BRAHMINY SHELDUCK        | <i>Tandorna ferruginea</i>         | 0         | 0         | 6          | 6          |
| 29 | BAR HEADED GOOSE         | <i>Anser indicus</i>               | 0         | 2         | 3          | 5          |
| 30 | SPOT BILLED DUCK         | <i>Anas poecilorhyncha</i>         | 0         | 0         | 4          | 4          |
| 31 | EURASIAN WIGEON          | <i>Anas penelope</i>               | 1         | 0         | 0          | 1          |
| 32 | COMMON COOT              | <i>Fulica acra</i>                 | 0         | 0         | 1          | 1          |
| 34 | RED BREASTED PARAKEET    | <i>Psittacula alexandre</i>        | 0         | 0         | 6          | 6          |
| 35 | GREY LAG GEESE           | <i>Anser anser</i>                 | 1         | 1         | 2          | 4          |
| 36 | COCKATIEL                | <i>Nymphicus hollandicus</i>       | 0         | -1        | 16         | 15         |
| 37 | GREAT EGRET              | <i>Ardea alba</i>                  | 0         | 0         | 4          | 4          |
| 38 | INDIAN POND HERON        | <i>Ardeola grayii</i>              | 0         | 0         | 10         | 10         |
| 39 | LOVE BIRD                | <i>Agatornis stp</i>               | 0         | 0         | 2          | 2          |
| 40 | OSTRICH                  | <i>Struthio camelus</i>            | 2         | 0         | 0          | 2          |
| 41 | TAWNY EAGLE              | <i>Aquila rapax</i>                | 0         | 0         | 1          | 1          |
| 43 | PAINTED STORK            | <i>Mycteria leucocephala</i>       | 0         | 0         | 2          | 2          |
| 44 | SARUS CRANE              | <i>Grus antigone</i>               | 1         | 1         | 0          | 2          |
| 45 | BLACK SWAN               | <i>Cygnus atratus</i>              | 0         | 0         | 6          | 6          |
| 46 | BLOSSOM HEADED PARAKEET  | <i>psittacula roseata</i>          | 2         | 2         | 0          | 4          |
|    |                          | <b>Total</b>                       | <b>21</b> | <b>20</b> | <b>274</b> | <b>315</b> |

**\*ENDANGERED SPECIES**

| S.No. | ANIMAL NAME                        | Scientific name                       | Closing stock as on<br>31/03/2020 |            |           |            |
|-------|------------------------------------|---------------------------------------|-----------------------------------|------------|-----------|------------|
|       |                                    |                                       | M                                 | F          | U         | T          |
|       | <b>MAMMALS</b>                     |                                       |                                   |            |           |            |
| 1     | * BINTURONG                        | <i>Arctictis binturong</i>            | 1                                 | 0          | 0         | 1          |
| 2     | * CAT LEOPARD                      | <i>Felis bengalensis</i>              | 2                                 | 6          | 1         | 9          |
| 3     | * DEER BROW-ANTLERED (Thamin)      | <i>Cervus eldi eldi</i>               | 10                                | 13         | 35        | 58         |
| 4     | * ANTELOPE FOUR HORNED (CHOWSINGA) | <i>Tetraceros quadricornis</i>        | 7                                 | 6          | 3         | 16         |
| 5     | * ELEPHANT ASIAN                   | <i>Elephas maximus</i>                | 1                                 | 3          | 0         | 4          |
| 6     | *GIBBON HOOLOCK                    | <i>Bunopithecus hoolock</i>           | 3                                 | 3          | 0         | 6          |
| 7     | * LANGUR GOLDEN                    | <i>Trachipithecus geei</i>            | 4                                 | 3          | 0         | 7          |
| 8     | *COMMON LEOPARD                    | <i>Panthera pardus</i>                | 4                                 | 12         | 0         | 16         |
| 9     | * BLACK PANTHER                    | <i>Panthera pardus</i>                | 1                                 | 2          | 4         | 7          |
| 10    | * LORIS SLOW                       | <i>Nycticebus bengalensis</i>         | 1                                 | 1          | 0         | 2          |
| 11    | * RHINO GR. INDIAN ONE HORNED      | <i>Rhinoceros unicornis</i>           | 3                                 | 3          | 0         | 6          |
| 12    | * SEROW                            | <i>Capricornis sumatraensis</i>       | 1                                 | 2          | 1         | 4          |
| 13    | * PYGMY HOG                        | <i>Porcula salvania</i>               | 1                                 | 1          | 0         | 2          |
| 14    | * TIGER BENGAL                     | <i>Panthera tigris</i>                | 1                                 | 3          | 0         | 4          |
| 15    | * TIGER BENGAL (WHITE )            | <i>Panthera tigris tigris</i>         | 0                                 | 2          | 0         | 2          |
| 16    | * CAPPED LANGUR                    | <i>Presbytis pileatus</i>             | 1                                 | 0          | 0         | 1          |
| 17    | * HIMALAYAN BLACK BEAR             | <i>Ursus thibetanus</i>               | 5                                 | 3          | 0         | 8          |
| 18    | * CAT GOLDEN (Melanistic)          | <i>Felis temmincki</i>                | 1                                 | 1          | 0         | 2          |
| 19    | * CAT JUNGLE                       | <i>Felis chaus</i>                    | 4                                 | 1          | 0         | 5          |
| 20    | * CIVET COMMON PALM                | <i>Paradoxurus hermaphroditus</i>     | 3                                 | 8          | 4         | 15         |
| 21    | * CIVET INDIAN SMALL               | <i>Viverricula indica</i>             | 3                                 | -1         | 1         | 3          |
| 22    | * MACAQUE ASSAMESE                 | <i>Macaca assamensis</i>              | 1                                 | 0          | 0         | 1          |
| 23    | * MACAQUE PIG TAILED               | <i>Macaca nemestrina</i>              | 1                                 | 0          | 0         | 1          |
| 24    | * MACAQUE STUMP TAILED             | <i>Macaca speciosa</i>                | 1                                 | 6          | 0         | 7          |
| 25    | * MACAQUE RHESUS                   | <i>Macaca mulatta</i>                 | 8                                 | 3          | 1         | 12         |
| 26    | * COMMON LANGUR                    | <i>Presbytis entellus</i>             | 6                                 | 2          | 1         | 9          |
| 27    | * INDIAN GOLDEN JACKAL             | <i>Canis aureus</i>                   | 5                                 | 5          | 0         | 10         |
| 28    | * PORCUPINE BRUSH TAILED/BENGAL    | <i>Atherurus macrourus assamensis</i> | 1                                 | 2          | 0         | 3          |
| 29    | * ASIATIC LION                     | <i>Panthera leo persica</i>           | 1                                 | 2          | 0         | 3          |
| 30    | *BLACK BUCK                        | <i>Antelope cervicapra</i>            | 3                                 | 2          | 2         | 7          |
| 31    | *DEER MOUSE                        | <i>Tragulus memmina</i>               | 6                                 | 8          | 0         | 14         |
|       |                                    | <b>Total</b>                          | <b>90</b>                         | <b>102</b> | <b>53</b> | <b>245</b> |

| <b>OTHER THAN ENDANGERED SPECIES</b> |              |                               |                                   |    |   |    |
|--------------------------------------|--------------|-------------------------------|-----------------------------------|----|---|----|
| S.No.                                | ANIMAL NAME  | Scientific name               | Closing stock as on<br>31/03/2020 |    |   |    |
|                                      |              |                               | M                                 | F  | U | T  |
| 1                                    | HIPPOPOTAMUS | <i>Hippopotamus amphibius</i> | 3                                 | 2  | 0 | 5  |
| 2                                    | DEER BARKING | <i>Muntiacus muntjac</i>      | 36                                | 23 | 2 | 61 |

|   |                  |                                |            |            |           |            |
|---|------------------|--------------------------------|------------|------------|-----------|------------|
| 3 | DEER HOG         | <i>Axis porcinus</i>           | 9          | 15         | 0         | 24         |
| 4 | DEER SAMBAR      | <i>Cervus unicolor</i>         | 66         | 103        | 19        | 188        |
| 5 | DEER SPOTTED     | <i>Cervus axis</i>             | 43         | 39         | 0         | 82         |
| 6 | NILGAI-BLUE BULL | <i>Boselaphus tragocamelus</i> | 2          | 5          | 3         | 10         |
| 7 | STRIPED HYENA    | <i>Hyaena hyaena</i>           | 1          | 2          | 0         | 3          |
| 8 | SWAMP DEER       | <i>Rucervus duvaucelii</i>     | 1          | 1          | 0         | 2          |
| 9 | GIRAFFE          | <i>Giraffa camelopardalis</i>  | 1          | 1          | 0         | 2          |
|   |                  | <b>Total</b>                   | <b>162</b> | <b>191</b> | <b>24</b> | <b>377</b> |

---XXXXXXXX---