

**CHAPTER 1**  
**ANIMAL HUSBANDRY & VETERINARY DEPTT, Darrang**

**: Introduction**

**PROFILE OF THE DEPARTMENT:**

The District Animal Husbandry & Veterinary Department, Darrang, was established at Mangaldai (in the year 1985) during separation of district as Sonitpur & Darrang from its old Darrang district with its separate District HO's at Mangaldai. As time passed, nos. of departmental officers and staff post were sanctioned for more extension of departmental activity and the SDVO, office is being used DVO, Darrang office. This office complex is in the land area of about 6 Bighas North to the Mangaldai Stadium started with the State Veterinary Hospital, Mangaldai in the year 1958, which later on incorporated with SDVO Office and now as District Animal Husbandry & Veterinary Office, Darrang, Mangaldai. This is an office complex which is integrated with Dist. A. H. & Vety. Office, Sub Div. A. H. Vety. Office, Regional Artificial Insemination Office, Assistant Research Office (Non-Sanction / Function), State Vety. Hospital and I CDP Dispensary.

Present **A.H. & Vety .Department's profile** as follows: Enclosed **ANNEXURE - I**

**OBJECTIVE OF THE DEPARTMENTAL DISASTER MANAGEMENT PLAN:**

Disaster itself is an unpredictable natural phenomenon. During the natural calamities like Earth Quake, Hailstorm, Flood, Drought etc, animals are usually affected from several types of physiological disturbances that may be described when animals go for in search of food and shelter. Many animals are lost and many others may suffer from various contagious, infectious and non-specific diseases. Alternate sources of food for live stock and poultry are most emergency in such situations. Simultaneously, rescue of animals to raised platform, treatment and sheltering is also another important activity. Disposal of carcasses scientifically and hygienically is also a challenging task during disaster.

**CHAPTER 2:**

Hazard & Vulnerability Scenario

**Revenue Circle wise No. of Flood prone Villages with Livestock Population.**

(As per previous record and vulnerability)

| Rev. Circle | Nos. of Flood Prone Village<br>(Hazard Type) |      |          | Livestock population (As per 20 <sup>th</sup><br>Livestock Census'2019) |              |
|-------------|--|------|----------|---|--------------|
|             | Very High                                    | High | Moderate | Large Animal  | Small Animal |
| Dalgaon     | 25   | 22   | 8        | 85,835Nos.  | 9,519 Nos.   |
| Mangaldai   | 49   | 10   | 26       | 72,444Nos.  | 32,286Nos.   |
| Patharighat | 17   | 22   | 8        | 25,155Nos.  | 19,460Nos.   |
| Sipajhar    | 13   | 18   | 26       | 36,872Nos.  | 25,628 Nos.  |
|             | 104  | 72   | 68       | 2,20,306Nos.  | 86,893 Nos.  |

FLOOD fatalities faced by department for last year:

Darrang district is prone to disasters like flood mainly and as per the record and data available in DVO, Darrang office, the historical occurrence of disasters-flood may be depicted as below:

| Year   | Name of Revenue Circle | Village Affected | Livestock Affected |              |         | Livestock died |       |         |
|--|------------------------|------------------|--------------------|--------------|---------|----------------|-------|---------|
|  |                        |                  | Large Animal       | Small Animal | Poultry | Large          | Small | Poultry |
| From 19 <sup>th</sup> June to 26 <sup>th</sup> June 2024 | Dalgaon                | --               | --                 | --           | --      | --             | --    | --      |
|  | Pub-Mangaldai          | --               | --                 | --           | --      | --             | --    | --      |
|  | Mangaldai              | 8                | 1551               | 2068         | 5360    | --             | --    | --      |
|  | Sipajhar               | 8                | 2250               | 2000         | 250     | --             | --    | --      |
|  | Patharighat            | 31               | 9810               | 8950         | --      | --             | --    | --      |
| Year   | Name of Revenue Circle | Village Affected | Livestock Affected |              |         | Livestock died |       |         |
|  |                        |                  | Large Animal       | Small Animal | Poultry | Large          | Small | Poultry |
| From 03 <sup>rd</sup> July to 09 <sup>th</sup> July 2024 | Dalgaon                | 25               | 17652              | 5045         | 1200    | --             | --    | --      |
|  | Pub-Mangaldai          | 33               | 40488              | 23691        | 600     | --             | --    | --      |
|  | Mangaldai              | 33               | 24512              | 16102        | 10860   | --             | --    | --      |
|  | Sipajhar               | 11               | 9192               | 5556         | 3625    | --             | --    | --      |
|  | Patharighat            | --               | --                 | --           | --      | --             | --    | --      |

### CHAPTER 3 : Main Task of the Deptt. And possibilities of related Disaster Management aspect.

- 1. Pre Disaster:** As per direction of Director of this deptt, Awareness programmes are organized in the mainly flood prone villages through free pre-flood vaccination and treatment camps with availability of Vaccines & Medicines in Dist.A.H.& Vety. Office,Darrang, Mangaldai.
- 2. During Disaster:**
  - Rescue: At first departmental personnel go for a survey for need of rescue of animals in the flood-hit villages and act accordingly if necessary with the help of district administration.
  - Relief: After receipt of information and instruction from district administration about declaration of flood, department calculate out immediately the no. of livestock

& poultry population from the census data and submit the requirement of feed to the district administration for distribution in the flood affected villages for their livestock & poultry.

- Free Treatment Camp: Department organize free treatment camp where animals are treated symptomatically.
3. **Post Disaster:** After the Disaster is over department go for the survey on departmental institutions to find out its damages in flood etc and submit the report to the District Administration and Director, A.H.& Vety. Deptt, Assam for necessary repairing etc.
  4. **Other Services:** The A.H. & Vety. Deptt, Darrang is very much enthusiastic for the welfare of livestock & poultry of the district for a stable milk, meat and egg production and hence,advice farmer for necessary measures of post flood etc through various free vaccination and treatment camps.
  5. **Incorporation of Disaster Management aspect in departmental work:** A.H. & Vety. deptt, Darrang is writing time to time to its Directorate for an additional fund sufficiently and to include it as normal duty.
  - 6.

#### CHAPTER 4: Phase-wise description of Departmental Responsibilities / Activities

### The Action Plan

#### A. Preparedness Plan:

##### Pre-Flood/Disaster

- i. **Motivation and awareness** among the public is important. All the in charge of the Vety. Hospital/Dispensaries are instructed well ahead of flood by the Dist. A.H. & Vety. Officer to meet the Village leading men, Gaon burah, NGO's, Club members etc. of the locality. They will give advice and necessary suggestion for protection of their valuable livestock. Motivation camp and training will be more beneficial in consultation with the civil administration time to time on.
  - a. Scientific disposal of Carcasses,
  - b. Reporting about dead/lost/washed away animals for compensation etc.
  - c. Requirement of free treatment etc.
- ii. **Pre flood Vaccination and Medicine:** The Dist. A.H. & Vety. Deptt, Darrang keep steady with sufficient stock of vaccines & Medicines as buffer stock. Almost all the

flood prone villages are vaccinated against FMD (Foot & Mouth Disease), BQ (Black Quarter) and HS (Hemorrhagic Septicemia) etc before the start of monsoon. This is to protect animals from various diseases that may occur in flood.

- iii. **Stock availability regarding cattle feed, Straw, Green Grass** etc are kept available to save the animals from starvation.
- a. **Conc.CattleFeed** will be supplied by the District Administration as soon as Dist.A. H. & Vety. Officer submits its requirement as per demand and records of Livestock etc.
- b. **Cultivation of green grass both seasonal & Perennial** will be kept available by the Farmers as seeds and roots are being supplied by the department time to time. Also, H.& Vety.Deptt,Darrang raised its own Grass land at VTC,Dalgaon and Institutional grass Land at Kachari dol & Duni developed under RKVY which unfortunately not available at present.

#### **During Disaster:**

- i. **Rescue of Animals:** Trapped animals should be shifted immediately to higher and safe places with boat etc with the help of district administration.
- ii. **Disposal of Carcasses:** Carcasses should be disposed scientifically and hygienically for which all the Vety. field staff's are ready for operation along with the civil authority and local public.
- iii. **Treatment of animals:** All the field staff of Vety. Hospital, dispensaries and First Aid Centers will take necessary steps for first aid and treatment of injured and hurt animals.
- iv. **Contact with farmers:** During flood contact with farmers is more beneficial for any problem in this regards for immediate necessary action.

#### **B. Mitigation Measures :**

- 1. **Free Treatment Camp and Vaccination** program will be carried out in flood affected areas, Medicines etc will be distributed among the owners of affected Livestock for which there will be a buffer stock of required medicines and etc to combat any situation to the possible extent.
- 2. **Mobile Vety. Team:** will be in vigil, Officers & Para vets engaged in this team will asses & conduct any necessary action to solve in the spot regarding treatment etc.
- 3. **Cattle feed** requirement will assessed by the local concern Vety. Officer which further will be submitted to the Deputy Commissioner, Darrang through concerned Revenue Circle Officer. It is because that the allotment for distribution of Cattle Feed is done from the office of the Deputy Commissioner, Darrang, Mangaldai. Officers & other Vety. Departmental personals will assist in distribution as per demand in field/affected area along with the concerned LM of the villages.

#### **C. Response Plan:**

- 1. Advice for immediate rescue & shift the affected Live stock and Poultry to high & safer place
- 2. Immediate treatment measure will be given to the affected Livestock.
- 3. Immediate submission of Cattle Feed requirement to overcome starvation.

4. Scientific disposal of carcasses during flood to prevent spread of any epidemic diseases etc.

- D. **Standard Operational Plan** : Relief Committee for Disaster/Flood: Enclosed ANNEXURE - II
- E. **Livestock and Poultry population**: Village wise Livestock & Poultry population list will be submitted at the time of Disaster for distribution of feeds etc with their requirement and now submitting Revenue Circle-wise LS population.

**Revenue Circle wise Livestock wealth in Darrang ,district:**

| Sl.          | Name of Revenue Circle | Livestock Population(As per 20 <sup>th</sup> Livestock Census Modified) |             |              |               |              |
|--------------|------------------------|---|-------------|--------------|---------------|--------------|
|              |                        | Cattle  | Buffalo     | Sheep        | Goat          | Pig          |
| 1            | Dalgaon                | 114795  | 1181        | 5427         | 29482         | 262          |
| 2            | Pub-Mangaldai          | 67261   | 2009        | 6219         | 13245         | 255          |
| 3            | Mangaldai              | 48440   | 323         | 294          | 25482         | 4732         |
| 4            | Sipajhar               | 68852   | 1640        | 895          | 43154         | 4997         |
| 5            | Patharighat            | 25638   | 59          | 260          | 11586         | 2108         |
| <b>Total</b> |                        | <b>324986</b>   | <b>5212</b> | <b>13095</b> | <b>123573</b> | <b>12354</b> |

**Earthen Raised Platform (Sheltering of live stock):**

According to the Circle Officer's of Revenue Circle Darrang, there are 54 Nos. of earthen raised platforms. These Platforms are normally used for sheltering livestock especially during flood or in any Natural Calamities. Embankments are also used for sheltering of animals during flood.

List of Earthen Raised Platform: Enclosed ANNEXURE - III

**Alternative sources of food:**

It has been observed that there is acute shortage of feed stuffs for feeding of animals during natural calamities. In this situation different kinds of conventional and unconventional feed stuff can be arranged to meet the demand.

**Crop Residues:**

The majority of the farmers of Darrang district go for cultivation of Paddy as their main source of food. After harvesting of the grain from the crop, the left portion, straws are stored drying in as bulk stock for feeding of animals during emergency. It is usually stored on wood and bamboo platform raised over the ground which minimizes the spoilage in the heavy rain fall areas.

**Rice Mill Residues:**

Rice Mills are available in mini form for grinding of rice in the most of the villages in the Darrang District, and some large voluminous rice and other cereal grinding mills are there, especially in the Kharupetia area. These mills by-products like Rice Bran, Wheat Bran, Rice Polish, Maize crush etc may be stored to meet the emergency situation like Disaster. The A. H. &Vety. Deptt, Darrang usually go for supply of these by-products in emergency situation like flood with the help of District Civil administration.

**Forest by Product:**

Besides common fodder, trees, shrubs and herbs like Peepal (Ahat). Neem, Saura, Tara, Mango, Kathal, etc. and other non-toxic tree leaves may also be fed to the animal to supply part of their nutritional requirement.

**Aquatic Plants:**

Several types of aquatic plants are available in river; pond and other water lodging areas may be used for feeding of animals. So far the common aquatic plants tested for the feeding of animals are water hyacinths (after processing i.e. drying and grinding) aquatic spinach, stalks and leaves of lotus ,dal etc. These are generally available readily atmost of the places of Darrang District especially during flood.

**Hay Making:**

Luxuriantly growing green leaves and crops are harvested and spread in hot sun to dry. These can be used for feeding of animals during emergency situation.

**Silage Making:**

This is a special method of harvesting green grass where green grasses are kept under the earth as pit in high land in anaerobic condition. In emergency situation these can be fed to the animals as substitute to green grass to keep animals in production.

**Partly damaged crop left after flood:**

Partly damaged crops are mostly unfit for grain production. These can be use for feeding of animals after washing and sun drying.

**Requirement of feed:****For large ruminant animal (Cattle)**

| Feedstuffs             | Stage of Animal                  | Growing heifer/<br>bull calf<br>(kg/day/animal) | Adult local<br>cattle                                      | Adult<br>crossbreed<br>cattle<br>(kg/day/animal)       |
|------------------------|----------------------------------|---|--|--|
| Concentrate<br>mixture | For non-<br>productive<br>animal | 1.00  | 1.50   | 2.50   |
|                        | For<br>productive<br>animal      | ---   | 1.50+ offer @ 1<br>kg for every 3<br>kg milk<br>production | 2.50+offer @ 1 kg<br>for every 3 kg<br>milk production |

|              |  |       |       |       |
|--------------|--|-------|-------|-------|
| Paddy Straw  |  | 2.00  | 4.00  | 6.00  |
| Green Fodder |  | 10.00 | 15.00 | 20.00 |

**For large ruminant animal (Goat)**

| Feedstuffs            | Growing Kid | Adult Goat |
|-----------------------|-------------|------------|
| Concentrate mixture   | 150 g/day   | 300 g/day  |
| Green Fodder & leaves | 1.5 kg/day  | 3 kg/day   |

**For mono gastric animal (Pig)**

| Feedstuffs          | Growing kid   | Adult Pig    |
|---------------------|---------------|--------------|
| Concentrate mixture | 2-2.5 kg/ day | 3-3.5 kg/day |

**Post disaster management:**

Monitoring of the flood affected area to check diseases of animals, food availability, taking care and management of livestock in respect to rehabilitation.

- Monitoring of the flood affected area,
- Check diseases of animals, food availability,
- Care and management of livestock
- Providing Rehabilitation.
- Monitoring on outbreaks of various diseases which is the major problems generally observed after any natural calamities.
- Disposal of carcasses scientifically and hygienically is also a major task, if left to complete it in time.
- Post disaster free vaccination & Treatment camp.
- Assessment of loss/death/washed away of livestock & poultry.
- Assessment of damage of departmental instructions for onward submission.
- Submission of SDRF proposals as per SDRF template

**CIRCLE WISE QUICK RESAPONSE TEAM**

- A. DALGAON REVENUE CIRCLE**
- B. Dr.Mafidul Hoque, B. V.O,BVD, Kharupetia (9101216430)
  - C. Dr. Baharul Islam,VO,SVD, Bhakatpara9707723500
  - D. Zakir Hussain, VFA,SVD,Dalgaon.
  - E. Boktar Hussain . VFA, SVD, Dalgaon, VFA
  - F. Abani Kr. Deka, VFA
  - G. Pallab Deka. Grade-IV

**H. PUB-MANGALDAI REVENUE CIRCLE**

Dr. Dipika Deori, VO, RAIC, Mangaldai (9957548531)  
Md. Tazmul Hussain, VFA  
Safiul Haque, VFA  
Jintu Deka, Grade IV

**I. MANGALDAI REVENUE CIRCLE**

Dr.Ajoy Bania,V.O,SVH,Mangaldai (7002340441)  
Dr. Kuntal Kashyap Buragohain, VO, Rangamati (9101342255)  
Biplob Jit Baruah,VFA,,9101035945  
Safar Ali, VFA, Rangamati  
Jadav Deka, Grade-IV, Rangamati

**J. SIPAJHAR REVENUE CIRCLE**

Dr.Harabinda Saharia,V.O, Saipajhar (7002232436)  
Dr. Nayana Kakoti,BVO, Garukhuti (7576028031)  
Monowar Hussain,VFA,SVD,Kurua  
Suren Kalita,Grade-IV,SVD,Sipajhar  
Trishna Barua, Grade-IV

**K. PATHARIGHAT REVENUE CIRCLE**

Dr.Pranab Kr. Deka,V.O,Duni (863825169)  
Dr. Sultana Anjuman Begum, VO, SVD, Dekargaon  
Gajen Kalita, VFA  
Minhajur Hoque, VFA  
Gauranga Nath, Grade-IV

**DISTRICT LIASON OFFICER:**

Dr. Md. Sahjahan, Sub-Divisional Veterinary Officer, Mangaldai, Darrang (8638253369)

**DISTRICTPROFILE**

**Human Resource**

| Sl. No. | Name of the Post                                    | Rank            | Post | Status    | Place of Posting                                    |
|---------|---|-----------------|------|-----------|---|
| 1       | District Animal Husbandry & Veterinary Officer(DVO) | Deputy Director | 1    | Vacant    | District HQ, Mangaldai, Darrang, W/N-2, Santipur,   |
| 2       | Officer in Charge(O/C),VTC                          | Asstt. Director | 1    | Filled-up | Veterinary Training Centre(VTC), Dalgaon, Darrang   |
| 3       | Sub-Divisional Officer(SDVO)                        | SDVO            | 1    | Filled-up | District HQ, Mangaldai, Darrang, W/N-2, Santipur,   |
| 4       | Regional Artificial Insemination Officer(RAIO)      | SDVO            | 1    | Filled-up | District HQ, Mangaldai, Darrang, W/N-2, Santipur,   |
| 5       | Lecturer, VTC                                       | SDVO            | 1    | Filled-Up | Veterinary Training Centre, (VTC), Dalgaon, Darrang |
| 6       | Farm Manager, DCFF, Sipajhar                        | Vety. Officer   | 1    | Filled-up | Duck cum Fishery Farm, Sipajhar, Darrang            |

|   |                      |                     |               |           |   |
|---|----------------------|---------------------|---------------|-----------|---|
| 7 | Block Vety. Officer. | Vety. Officer       |               | Vacant    | 1. Block Vety. Dispy, Kharupetia          |
|   |                      | Vety. Officer       |               | Filled-up | 2. Block Vety. Dispy, Chamuapara          |
|   |                      | Vety. Officer       |               | Filled-up | 3. Block Vety. Dispy, Sipajhar, Garukhuti |
| 8 | Vety. Officer        | Vety. Officer       |               | Filled-up | 1. State Vety. Dispy, Dalgaon             |
|   |                      |                     |               | Filled-up | 2. State Vety. Dispy, Bhakatpara          |
|   |                      |                     |               | Vacant    | 3. State Vety. Hospital, Mangaldai        |
|   |                      |                     |               | Filled-up | 4. ICDP, Regional A.I. Centre, Mangaldai  |
|   |                      |                     |               | Filled-up | 5. State Vety. Dispy, Rangamati           |
|   |                      |                     |               | Filled-up | 6. State Vety. Dispy, Sipajhar            |
|   |                      |                     |               | Filled-up | 7. State Vety. Dispy, Duni                |
|   |                      |                     |               | Filled-up | 8. State Vety. Dispy, Niz Dahi Dighirpar  |
|   |                      |                     |               | Vacant    | 9. State Vety. Dispy, Deomornoi           |
|   |                      | a. V.O, Local Board | Vety. Officer | 1         | Filled-up                                 |
|   | b. V.O, Mobile       | Vety. Officer       | 1             | Filled-up | 11. DVO Office Darrang, Mangaldai         |
|   | c. V.O, Reserve      | Vety. Officer       | 1             | Filled-up | 12. DVO Office Darrang, Mangaldai         |

|    |                                     |           |            |                |  |
|----|-------------------------------------|-----------|------------|----------------|--|
|    |                                     |           |            | up             |  |
| 9  | d.Vety. Officer<br>(Non-Sanctioned) | -         | -          | -              | 13.Statevety.Dispy,Dekargaon   |
|    | e.Vety. Officer<br>(Non-Sanctioned) | -         | -          | -              | 14.StateVety.Dispy,Kacharidol  |
|    | f.Vety. Officer<br>(Non-Sanctioned) | -         | -          | -              | 15.StateVety.Dispy,Kuruwa  |
|    | g.Vety. Officer<br>(Non-Sanctioned) | -         | -          | -              | 16.StateVety.Dispy,Jyantipur   |
| 10 | Paravet                             | VFA       | 52<br>Nos. | Filled -<br>Up |  |
| 11 | Ministerial<br>Staff                | Sr.Asstt. | 5          | V=3            | 2Nos.<br>atDVOffice,1No.eachat<br>Govt. DCFE, Sipajhar &<br>VTC, Dalgaon |
|    |                                     | Jr.Asstt. | 6          | V=2            | 3Nos.at DVO<br>Office,1No.atO/CVTC,<br>Dalgaon.                          |
|    |                                     | Driver    | 2          | Filled Up      | 01No.at O/CVTC,<br>Dalgaon   |
|    |                                     | Gr.IV     | 61         | V=2            |  |

## Infrastructure

| Sl . | Infrastructure  | No. of Institution | Present Status                                       |
|------|---|--------------------|--|
| 1    | A.H. Veterinary Office, Darrang, Mangaldai  | 1                  | Newbuilding  |
| 2    | Sub Divisional A. H. & Veterinary Office, Mangaldai, Darrang  | 1                  | Runningat DVOfficebuilding                           |
| 3    | Regional A. I. Officer, Mangaldai, Darrang (Meansfor A. I. activities in Darrang & Udalguri A.I. centers)                             | 1                  | Newly constructed FS Bbuilding at DVO office campus. |
| 4    | O/C, VTC, Dalgaon, Darrang (Means for residential training on Livestock & Poultry farming)  | 1                  | Are in deplorable condition                          |
| 5    | Duck cum Fishery Farm, Sipajhar at Ghorabandha(MeansforDuck-Breeding, Egg production for farmers for backyard duck farming practices) | 1                  | Repairing Time to time                               |
| 6    | State Veterinary Hospital, Mangaldai  | 1                  | Reconstructed, Partly damaged                        |
| 7    | State Vety.Dispy/ BlockVety.Dispy a.Sanctioned  | 11                 | ReconstructedexceptLocalBoardVety.Dispensary.        |
|      | b.Non-Sanctioned  | 3                  | Reconstructed & Proposed underRIDF                   |
| 8    | VeterinarySubCentre   |                    |  |
|      | a. Sub-Centre   | 13nos.             | 04Nos.Publicdonated.                                 |
|      | b.AIC   | 4nos.              |  |
| 9    | FrozenSemenBank(FSB)  | 1                  | AtDVO, office campus                                 |
| 10   | District Disease Diagnosis Laboratory (DDDL)  | 1                  | Construction completed yet to functioning            |



**OFFICE OF THE DISTRICT AGRICULTURAL OFFICER  
DARRANG :: MANGALDAI**

**Introduction:**

The Economy of the District is by and large depends upon Agriculture. The District of Darrang situated in Northern bank of the River Brahmaputra, has vast fertile land with diverse potentiality for the development of Agriculture. The District Darrang is situated at the center of the state, which comes under North Bank Plain Zone (NBPZ) of Assam. It covers a geographical area of b 1585 sq. kmi.e. 158500 ha (As per Final Census Report,2011) between longitudes 20°9'N to 26°95'N and latitudes 91°45'E to 92°22'E. The district is surrounded in the north by Udalguri District, in the east Sonitpur District and in the west by Kamrup District. The major physiographic variation of the district is in general considered to be plain except high land areas, flood prone areas, char lands and swampy areas. The mighty Brahmaputra flows along the southern periphery of the district. Thus, the district is also well connected with the water ways. The river *Brahmaputra* is the main river in the border of the south of the district flows from the east to west direction. Other important tributaries of the Brahmaputra are Barnadi, Nanoi, Mangaldai, Nowanodi, Saktola, Dhansiri, which *are* the main River flowing through the district and the rivers are perennial in nature.

**Some of Basic Information of the District**

|   |             |
|---|-------------|
| A) Area(Sq.km) Total                                    | : 1585      |
| Rural   | : 1572.61   |
| Urban   | : 12.39     |
| B) Main Cultivator Population (Nos.)                    | : 107473    |
| C) Main Agricultural Laborers' Population Person (Nos.) | : 46418     |
| D) Marginal Cultivator Population Person (Nos.)         | : 21983     |
| E) Marginal Agriculture Laborers' Population Person     | : 35199     |
| F) Fallow Land  | : 17763ha   |
| G) Net Crop Area  | : 81626ha   |
| H) Gross Crop Area                                      | : 152827 ha |
| I) Cropping Intensity                                   | : 187.22%   |
| J) Area Sown more than once                             | : 66801 ha  |

K) Irrigation Potential Created through Govt. Scheme :15005ha

(L) Chronically Drought prone Area  
:3000ha

(M) Chronically flood prone Area :13200ha

SW monsoon (June -Sept)= 1st week of June; NE Monsoon (Oct- Dec)=  
1st week of October Winter (Dec-Feb)=3<sup>rd</sup> week of Dec, Summer (Apr-May)=1<sup>st</sup> week of  
April

- Temperature:  
Average Temperature in summer 30<sup>o</sup> C Average Temperature in winter: 10<sup>o</sup>C
- Major Cropping Pattern:
- Winter(Sali)Paddy-Summer Paddy (Boro)/Rabi Vegetables/Rabi Oil seed/Rabi Pulses
- Sugarcane  
#Important Major Crops: Winter (Sali) Paddy, Deep Water (Bao) Paddy, Autumn (Ahu)  
Paddy, Boro Paddy
- Important Other Crops: Rape seed & Mustard, Maize, Pulses and Jute
- Important Horticultural Crops: Banana, Assam Lemon, Ginger, Litchi, Papaya, Mango,  
Jackfruit, Vegetables.

Source: Final Census Report, 2011, Statistical Handbook Assam 2011, Economic  
Survey of Assam 2012-13, Gazette Notification on March, 2007, Previous Status Report / Different  
Reports of District Agriculture Office, Darrang and Directorate of Agriculture, Assam, Khanapara

## **BACKGROUND:**

Flood is a regular phenomenon in Darrang District of Assam. From the last a few years experience flood generally occurs from the month of June to October which is the peak period of transplanting of Sali Paddy or after transplanting. If the flood occurs late in the season, there will be no time to available for raising fresh seedlings.

Rice being the staple food of the district, an adverse affect on paddy leads to serious socio-economic problems. As such there is a need for action plan against flood disaster management /contingent disaster management plan where raising of Sali Paddy Seedlings is necessary in community nursery in the first phase during June-July, 2017

Under Community nursery programme seedlings covering one crop of 25 Ha are proposed to rise in the Departmental farms / Assam Seed Corporation Ltd's Farm and at farmer's field by farmer's group. For raising Sali Seedlings irrigation is essential. Hence, provision for installation of STW for providing assured irrigation is also taken in consideration while preparing action plan in the first phase.

The 2<sup>nd</sup> phase is a difficult stage to compensate the crop loss as it occurs in the middle of kharif season. With anticipation of occurrence of flood in this phase, through Community Nursery raising of Sali seedling of late variety like Monohar Sali, Luit, Lachit, Kapillee etc. and some suitable local varieties is considered to provide immediate relief to the affected farmers. This has already been included in the Community Nursery programme

Moreover, purchase of surplus Sali Seedlings from the farmer's source from flood free areas also proposed for distribution among affected farmers if devastating flood occurs during ensuing Kharif Season at 2<sup>nd</sup> Phase during July-August.

The 3<sup>rd</sup> phase is coincides with last part of kharif season and early part of Rabi. At this time, mostly Sali Paddy and Pulse Crops are affected by the flood. The crop loss is suggested to recoup by direct seeding / sowing of Sali paddy and seedling distribution which has already been proposed under action plan.

The monsoon of the district commences from the end of March and intensity gradually increases up to August and then declines to the minimum during November and December. Fog occurs in the winter months.

The rainfall of the district during last 10 years is mentioned below in table:

| YEAR | Year wise Rainfall(mm) |         |         |        |        |         |         |        |       |        |
|------|------------------------|---------|---------|--------|--------|---------|---------|--------|-------|--------|
|      | 2015                   | 2016    | 2017    | 2018   | 2019   | 2020    | 2021    | 2022   | 2023  | 2024   |
|      | 2007.2                 | 1208.42 | 1776.42 | 1378.3 | 1706.1 | 1340.27 | 1020.00 | 722.80 | 726.9 | 442.75 |

COMPARATIVE CHART OF MONTH & YEAR WISE TOTAL RAINY DAYS:-

| YEAR | Year wise number of Rainy days |      |      |      |      |      |      |      |      |      |
|------|--------------------------------|------|------|------|------|------|------|------|------|------|
|      | 2015                           | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|      | 111                            | 109  | 129  | 117  | 122  | 98   | 89   | 65   | 73   | 61   |

**Item1: PROPOSED COMMUNITY NURSERY PROGRAMME DURING KHARIF PERIOD,2022-2023**

**Objective of the Programme:**

- 1) To compensate the probable crop loss to the affected farmers.
- 2) To distribute Sali Seedlings to the affected farmer through advance planting and contingency arrangement at free of cost.
- 3) To minimize the losses by taking instant immediate remedial measures.

**Component of the Programme:**

- a) Raising of Sali Seedlings in the Departmental Farm/ ASC Farm for free distribution among flood affected farmers.
- b) Installation of STWs in departmental farms /ASC farms for raising Sali Seedlings.
- c) Procurement of surplus Sali Seedlings from farmers of flood free areas for distribution among affected farmers at free of cost.

**IDENTIFICATION /SELECTION OF SITE WITH TARGET UNDER COMMUNITY NURSERY**

| SL     | Component         | Location                                  | Area   | Remarks |
|--------|-------------------|---|--------|---------|
| 01     | Community Nursery | ASC Seed Farm, Dalgaon & in farmers field | 150 ha |         |
| Total: |                   |   | 150ha  |         |

- **Community Nursery Proposed under Darrang District : 30ha**

**FINANCIAL OUT LAY OF THE COMMUNITY NURSERY PROGRAMME UNDER SEED FARMS**  
**(TOTAL AREA :30 ha)**

**(As per Directorate Cost Norms)**

| SL                | Programme   | Physical Target     | Area to be Covered (ha) |                | Nos. of beneficiaries to be benefitted | Amount(Rs. in lakh) |
|-------------------|---|---------------------|-------------------------|----------------|--|---------------------|
|                   |   |                     | Seed Bed                | Main field     |  |                     |
| 01                | Raising Sali Seedlings in Community Nursery for distribution among affected farmers @unit cost Rs. 35,110/-ha   | 600 qtls            | 150 ha                  | 1500 ha        | 11250                                  | 52.665              |
| 02                | Purchase of Surplus Seedlings of suitable local varieties from the farmers for distribution among theaffectedfarmers@300bundles/ha (@Rs.20/-per bundle)           | 30,000 Nos. bundles | ---                     | 100 ha         | 732                                    | 6.00                |
| 03                | Distribution of Direct Seeded Certified Short duration Variety Seeds & other local varieties @ 20 kg per beneficiaries (@Rs4950/-perqtl)(Veriety: Luit,Kopilietc) | 450 qtls            | ---                     | 600 ha         | 2250                                   | 22.275              |
| <b>Sub Total:</b> |   |                     | <b>150 ha</b>           | <b>2200 ha</b> | <b>14232 Nos.</b>                      | <b>80.940 lakhs</b> |

**WORK PLAN FOR PROPOSEDC OMMUNITY NURSERY  
PROGRAMME  
DURING KHARIF PERIOD,2025**

| Programme                           | Item of work               | Date of completion           | Action to be taken by |
|-------------------------------------|----------------------------|------------------------------|-----------------------|
| Establishment of Community Nursery  | Identification of site     | 10 <sup>th</sup> June,2025   | DAO/SDAO/ADOs         |
|                                     | Placing of indent for seed | 20 <sup>th</sup> June,2025   | DAO                   |
|                                     | Installation of STW        | 1 <sup>st</sup> July,2025    | EE(Agri)              |
|                                     | Land Preparation           | 7 <sup>th</sup> July,2025    | SDAO/ADOs             |
|                                     | Supply of Seeds / Inputs   | 7 <sup>th</sup> July,2025    | ASC/Private dealer    |
|                                     | Distribution of Seedlings  | 15 <sup>th</sup> Sept,2025   | CO/ADOs               |
| Purchase of Surplus Seedlings       | 15daysbeforedistribution   | 15 <sup>th</sup> Sept,2025   | DAO/CO/SDAO/ADOs      |
| Distribution of Direct Seeded Seeds | Placing of Indents         | 15 <sup>th</sup> August,2025 | DAO                   |
|                                     | Distribution               | 31 <sup>st</sup> August,2025 | CO/ADOs.              |

**Item2:**

**ACTION PLAN FOR PRE-RABI & RABI PROGRAMME,2022-2023 FOR THE AFFTECTED FARMERS UNDER PROBABLEFLOOD PRONE AREAS OF DARRANG DISTRICT**

It has been observed from last few years experience that the crop fields are badly affected due to occurrence of flood water stagnation during Kharif Season .To compensate the loss of farmers due to probable rain water stagnation and flood an action plan / contingent plan for Rabi crop is prepared after discussion with KVK, Darrang, Mangaldai based on local agro climatic situation and crop varieties with satisfactory yield in the district.

**ANTICIPATED CROP DAMAGE:**

From the previous year's experience, the anticipated average crop damage due to flood has been worked out as follows:

| SL No | Name of the Crop  | Anticipated Area(ha) |
|-------|-------------------|----------------------|
| 01    | Summer Paddy      | 7000                 |
| 02    | Regular Ahu       | 650                  |
| 03    | Bao Rice          | 50                   |
| 04    | Sali Seedlings    | 1200                 |
| 05    | Jute              | 200                  |
| 06    | Maize             | 400                  |
| 07    | Kharif Vegetables | 1200                 |
| 08    | Sugarcane         | 100                  |
| 09    | Groundnut         | 50                   |
| 10    | Others            | 900                  |
|       | Total :           | 11,750 ha            |

It has been proposed to provide following Rabi crops to the affected farmers with an objective to meet up the anticipated loss due to flood damage under Rabi Programme, 2022-2023:

**a) Summer Paddy:**

**i) Summer Paddy HYV:**

|    |                              |   |                                   |
|----|------------------------------|---|-----------------------------------|
| 1. | Sowing Time                  | : | Mid Nov to Mid Dec                |
| 2. | Variety                      | : | Luit, Disang Nabin, Swarna Sub-1, |
| 3. | Area to be covered           | : | 2000 ha                           |
| 4. | Farm family is to be covered | : | 8000 Nos.                         |
| 5. | Requirement of seed          | : | 800 qtls.                         |
| 6. | Fund requirement             | : | Rs.38.00 lakhs                    |

**ii) Summer Paddy Hybrid:**

|    |                              |   |   |
|----|------------------------------|---|---|
| 1. | Sowing Time                  | : | Mid Nov to Mid Dec.                       |
| 2. | Variety                      | : | PAC-837,NK-5251, Arize-6444,I NDAM-200-17 |
| 3. | Area to be covered           | : | 350 ha                                    |
| 4. | Farm family is to be covered | : | 13125 Nos                                 |
| 5. | Requirement of seed          | : | 525.00q tls.                              |
| 6. | Fund requirement             | : | Rs.170 lakhs                              |

**Total of Summer Paddy : 5500ha**

**b) Maize(Hybrid):**

|    |                              |   |                          |
|----|------------------------------|---|--------------------------|
| 1. | Sowing Time                  | : | Mid Nov to Mid Dec.      |
| 2. | Variety                      | : | PAC-740,Probal,Alrounder |
| 3. | Area to be covered           | : | 3449 ha                  |
| 4. | Farm family is to be covered | : | 17245 Nos.               |
| 5. | Requirement of seed          | : | 689.80 qtls.             |
| 6. | Fund requirement             | : | Rs.195 lakhs             |

**C) Mustard (Torja) :**

|    |                              |   |                         |
|----|------------------------------|---|-------------------------|
| 1. | Sowing Time                  | : | Mid Oct to Mid Nov.     |
| 2. | Variety                      | : | TS-36,TS-38,TS-67,TS-46 |
| 3. | Area to be covered           | : | 3315 ha                 |
| 4. | Farm family is to be covered | : | 6630 nos                |
| 5. | Requirement of seed          | : | 331.5 qtls.             |
| 6. | Fund requirement             | : | Rs.30 lakhs.            |

**Requirement of Seed/inputs (including requirement of fund) to meet up the losses due to Rain water sub mergence, flood etc. for affected farmers Under Rabi Programme,2025-2026**

**(Disaster Management Programme)**

| SL   | Item   | Tentative Nos of Farm Family to be benefited | Area to be covered(in ha) | Requirement of seed (qtls.) | Requirement of fund(Rs in lakh) | Preferred Variety                             |
|--|--|--|---------------------------|-----------------------------|---------------------------------|---|
| 01   | Distribution of Summer PaddyHYVSeed@10kgperFF @Rs.4500 per qtl.      | 8000   | 2000                      | 800                         | 38.00                           | Luit, Disang,SwarnaSub-1                      |
| 02   | Distribution of Summer Paddy Hybrid Seed @ 4 kgperFF@Rs.32000perqtl. | 13125  | 3500                      | 525                         | 170.00                          | PAC-837, NK -231, Arize - 6444, INDAM -200-17 |
| 03   | Distribution of Hybrid Maize Seed @4 Kg per FF @Rs.28000/qtl.        | 17245  | 3449                      | 689.8                       | 195.00                          | PAC-740,Prabal, All-rounder                   |
| 04   | Distribution of Mustard (Toria)Seed@5kgperFF@Rs .8600perqtl.         | 6630   | 3515                      | 331.5                       | 30.00                           | TS-36, TS-38TS-67,TS-46                       |
| <b>Sub Total:</b>  |  | 45000  | 12464                     | 2346.3                      | 433.00                          |   |
| Local Transportation including Labour charge(Rs)         |  | -  | -                         | -                           | <b>3.2</b>                      |   |
| Plant protection chemicals for Post flood survived crops |  | -  | -                         | -                           | <b>3.0</b>                      |   |
| Contingency Expenses(L/S)                                |  | -  | -                         | -                           | <b>2.7</b>                      |   |
| <b>Total:</b>  |  |  |                           |                             | <b>441.9</b>                    |   |

**Rupees four hundred forty one lakhs and nine thousand only**

**PROPOSED WORK PLAN FOR RABI  
PROGRAMME,2025-2026  
SUMMERYOFTOTALFINANCIALOUTLEY**

| (Item<br>u<br>p<br>e<br>s<br>f<br>i<br>v<br>e | Programme   | Amount<br>(Rs. In<br>Lakhs) |
|---|---|-----------------------------|
| Item1   | Community Nursery Programme during Kharif Period,2022 including purchasing of surplus Sali Seedlings from Farmers and distribution of direct seeded short duration paddy seeds. | 80.940                      |
| Item2   | Action Plan for Rabi Programme,2022-2023  | 441.900                     |
|   | <b>Total:</b>   | 522.840                     |

**hundred thirty two lakhs and seventy one thousand three hundred)only**

**FISHERY DEPARTMENT: DARRANG**

Name of Establishment: Office of the District Fishery Development Officer, Darrang, Mangaldai

Name of DFDO - Sri Himangshu Talukdar, Mobile No- 9435089529

Headquarter – Mangaldai

District Nodal Officer – Sri Jiaur Rahman. Fishery Development Officer Mobile No-8638957661

Details official staff (circle level) for assessment of flood damage areas follows-

1. **Sipajhar Circle:**
  - Sri. Hiron Pegu .FDO(Team Leader)
  - Mobile No-9395406396
  - Sri.Sakil Zaman. FD
  - Sri.Naba Sarma. FD
  - Sri Pranjit Bardoloi, FD
2. **Pathorighat Circle:**
  - Sri. Hiron Pegu.FDO (Team Leader)
  - Mobile No-9395406396
  - Sri.Nilkamal Biswas. FD
  - Sri Jeherul Islam, FD
  - Sri Nabadeep Nath
3. **Mangaldai Circle:**
  - Sri Rajashree Devi, FDO (Team Leader)
  - Mobile-8133850158
  - Subhash Dutta, AFO
  - Nobikul Islam, FD
  - Jeherul Islam, FD
4. **Pub-Mangaldai Circle:**
  - Sri Rajashree Devi, FDO (Team Leader)
  - Mobile-8133850158
  - Subhash Dutta, AFO
  - Nobikul Islam, FD
  - Jeherul Islam, FD
5. **Dalgaon Circle:**
  - Sri Rajashree Devi, FDO (Team Leader)
  - Mobile- 8133850158
  - Sri.Birendra Baruah. FD
  - Mehboob Alom Sarkar. FD
  - Nobikul Islam, FD

### **Ghorukhuti Bahumukhi Krishi Prokalpa under Sipajhar Circle**

Sri.Hiron Pegu.FDO (Team Leader)

Mobile No-9395406396

Sri Pranjit Bardoloi, FD

Sri.Naba Sarma, FD

Sri Jyotish Das

Shakil Zaman

The circle level team will visit & monitor respective allotted area to identify vulnerable points before flood. Also during the flood season they will monitor the affects of flood and will submit status report daily. They will report about the damages in proper format to Disaster Management Cell at D.C office and also to the respective Circle Officer for information immediately.

### **Fisheries Resource of the District.**

| <b>Sl No</b> | <b>Resources</b>                        | <b>Number</b> | <b>WaterArea</b> |
|--------------|---|---------------|------------------|
| 1            | Individual ponds and Community Tank     | 33250         | 4100.00          |
| 2            | Beel                                    | 19            | 6700.00          |
| 3            | Swamps/Derelict/Low lying area          | 71            | 610.00           |
| 4            | River                                   | 17            | 10900.00         |
| 5            | Paddy field                             |               | 1100.00          |
| 6            | Hapa Breeder                            | 60            |                  |
| 7            | Eco Hatchery                            | 20            |                  |
| 8            | Fish seed Grower                        | 60            |                  |
| 9            | Fish seed trader                        | 32            |                  |
| 10           | Fisheries Co-operative Society (Active) | 14            |                  |
| <b>Total</b> |   |               | <b>23410.00</b>  |

### **PRE DISASTER (FLOOD) ACTIVITIES IN FISHERY SECTOR:**

- Awareness among the fish farmers through awareness/meeting about the precautions to be taken during flood.
- Visiting flood prone areas and providing advice to the fish farmers to repair their pond embankment specially the crab/rats' hole and depressed portion of the embankment.
- Stock of nylon net and bamboo banas are to be kept ready by the Fish Farmers of

flood prone areas.

- Fish Farmers are also to repair their boats available with them.
- Fish seed producers and growers are also to keep sufficient stock of fish seed so that after flood, fish farmers will be able to purchase fish seed to continue fish culture.

**DURING DISASTER (FLOOD):**

- Officials of the department will visit the affected areas and look after the preventive measures to be taken during flood specially to control the escape of fish from ponds/tanks. Preliminary report of assessment of flood affected villages and extent of damages in fishery would be submitted to the concerned authority.

**POSTDISASTER (FLOOD):**

- Officials of the department will visit the affected areas and take necessary steps to continue fish culture practice. Fish culture practice after post flood will be advised to the affected farmers.
- Fish farmers will be advised to store the nylon nets, bamboo banas etc properly for future use.
- Conduct detail survey depicting nature of damages i.e, inundation, siltation, breach of embankments, escape of fishes (fish fry, fingerlings & table fishes), loss of boat, nets and other fishing crafts & gears, damage of hatchery etc and assessment of loss in terms of water area, value of stocked and other movable & immovable assets related to fishery and submit to DFDO immediately for onward submission.