

**Annual Activities of the Year 2021-2022**  
**Divisional Office, Barishal**

1. Progress of Nirdeshika Updating

| District  | Field survey   |                | Map finalization |             | Draft report preparation |             | Final report preparation    |                            |
|-----------|----------------|----------------|------------------|-------------|--------------------------|-------------|-----------------------------|----------------------------|
|           | Target         | Achievement    | Target           | Achievement | Target                   | Achievement | Target                      | Achievement                |
| Barishal  |                |                |                  |             | Bakerganj                | Bakerganj   | Banaripara ,<br>Mehendiganj | Banaripara,<br>Mehendiganj |
| Jhalakati | JhalakatiSadar | JhalakatiSadar |                  |             |                          |             |                             |                            |
| Pirojpur  |                |                | Nesarabad        | Nesarabad   | Nesarabad                | Nesarabad   |                             |                            |

2. Information on Upazila Surveyed during 2021-2022

2(a) Name of Upazila & District:

| Upazila         | District  |
|-----------------|-----------|
| Jhalakati Sadar | Jhalakati |

2(b) Major findings:

i) Total area- 21,293 hectare

ii) Total sample collected-

iii) Physiography & AEZ code-

| Physiography            | AEZ Name & Code                  |
|-------------------------|----------------------------------|
| Ganges River Floodplain | Low Ganges River Floodplain (12) |
| Ganges Tidal Floodplain | Ganges Tidal Floodplain (13)     |

iv) Major land type- High Land, Medium High Land and Medium Low Land

v) Major soil group-

| Physiography            | Agroecological Zones (AEZ)       | Major soil series                               | Other soil     |
|-------------------------|----------------------------------|---|----------------|
| Ganges River Floodplain | Low Ganges River Floodplain (12) | Sara, Gopalpur                                  | -              |
| Ganges Tidal Floodplain | Ganges Tidal Floodplain (13)     | Ramgati, Jhalakathi, Barishal, betagi, Pirojpur | Tidal alluvium |

2(c) Changes in Land Type: (Data should be provided both in MS Word & Excel sheet)

| Land type       | 2007         |            | 2022         |            | % increase/<br>decrease | Possible reasons   |
|-----------------|--------------|------------|--------------|------------|-------------------------|--|
|                 | Area (ha)    | %          | Area (ha)    | %          |                         |  |
| Highland        | 1061         | 5          | Almost nil   | -          | (-)100                  | Loss of cultivable land due to homestead forest and settlement |
| Medium Highland | 14031        | 66         | 13049        | 61         | (-)5                    |  |
| Medium Lowland  | 461          | 2          | 230          | 1          | (-)1                    | Siltation  |
| Miscellaneous   | 5740         | 27         | 8014         | 38         | (+)11                   | Gain of area due to homestead forest and settlement            |
| <b>Total</b>    | <b>21293</b> | <b>100</b> | <b>21293</b> | <b>100</b> | <b>-</b>                | <b>-</b>   |

2(d) Changes in Land Use: (Data should be provided both in MS Word & Excel sheet)

| Land Use                             | Land type | 2008         |            | 2022         |            | % increase/<br>decrease | Possible reasons                                    |
|--------------------------------------|-----------|--------------|------------|--------------|------------|-------------------------|---|
|                                      |           | Area (ha)    | %          | Area (ha)    | %          |                         |   |
| 1.Boro-Fallow-T. aman                |           | 3045         | 14         | 3833         | 18         | (+)4                    | Increased irrigation facility                       |
| 2.Fallow-T.aus-T.aman                |           | 4141         | 20         | 3619         | 17         | (-)3                    | Difficulty in post-harvest operation of T. aus crop |
| 3. Rabi crop-Fallow T. aman          |           | 2423         | 11         | 2768         | 13         | (+)2                    | Government incentive                                |
| 3.Fallow-Fallow-T.aman               |           | 2203         | 10         | 852          | 4          | (-)6                    |   |
| Boro-Fallow -Fallow                  |           | 2119         | 10         | 1278         | 6          | (-)4                    |   |
| Guava/ hog plum/lemon/banana orchard |           | 212          | 1          | 426          | 2          | (+)1                    | Improved land use & higher return                   |
| Others                               |           | 1410         | 7          | 503          | 2          | (-)5                    |   |
| Miscellaneous                        |           | 5740         | 27         | 8014         | 38         | (+)11                   |   |
| <b>Total</b>                         |           | <b>21293</b> | <b>100</b> | <b>21293</b> | <b>100</b> | <b>-</b>                |   |

2(e) Changes in Settlement area increment: (Data should be provided both in MS Word & Excel sheet)

| Settlement Area | 2007      |      | 2022      |    | % increase | Possible Reasons           |
|-----------------|-----------|------|-----------|----|------------|----------------------------|
|                 | Area (ha) | %    | Area (ha) | %  |            |                            |
|                 | 4201      | 19.7 | 4690      | 22 | 11.6       | Demand for new settlement. |
| <b>Total</b>    |           |      |           |    |            |                            |

### 3. Union Sahayika Preparation

| Name of Office     | District | Upazila | No. of Shahayika prepared |
|--------------------|----------|---------|---------------------------|
| Barishal Divisonal | -        | -       | -                         |

### 4. Mobile Soil Testing Services (MSTL)

| Name of Office      | District  | Name of Upazila |             | Total no. of sample analyzed |
|---------------------|-----------|-----------------|-------------|------------------------------|
|                     |           | Rabi/2021       | Kharif/2022 |                              |
| Barishal Divisional | Barishal  | Wazirpur        | Muladi      | 100                          |
|                     | Jhalakati | -               | Rajapur     | 50                           |
| Total               |           |                 |             | 150                          |

### 5. Yield Data of STB Field Trial

| SL No. | Name of Upazila | Name of District | Crop (s) & variety (s) | Average yield (t/ha) |                    | Yield increase/dec rease (%) | Funded by |
|--------|-----------------|------------------|------------------------|----------------------|--------------------|------------------------------|-----------|
|        |                 |                  |                        | Farmer's field       | Demonstration plot |                              |           |
| 1      | Barishal Sadar  | Barishal         | Boro (Hybrid)          | 5.5                  | 6.7                | (+)22                        | SRSRF     |
| 2      | Babuganj        | Barishal         | Boro (BRRI dhan 74)    | 5.0                  | 5.8                | (+)16                        |           |
| 3      | Mathbaria       | Pirojpur         | Mungbean (Bari Mug-6)  | 1.2                  | 1.3                | (+)8                         | GKBSP     |
| 4      | Mathbaria       | Pirojpur         | Mungbean (Bari Mug-6)  | 1.2                  | 1.4                | (+)17                        |           |
| 5      | Mathbaria       | Pirojpur         | Mungbean (Bari Mug-6)  | 1.3                  | 1.4                | (+)8                         |           |
| 6      | Mathbaria       | Pirojpur         | Mungbean (Bari Mug-6)  | 1.0                  | 1.2                | (+)20                        |           |
| 7      | Mathbaria       | Pirojpur         | Mungbean (Bari Mug-6)  | 1.1                  | 1.3                | (+)18                        |           |
| 8      | Mathbaria       | Pirojpur         | Boro (BRRI dhan 74)    | 5.5                  | 6.5                | (+)18                        |           |
| 9      | Mathbaria       | Pirojpur         | Boro (BRRI dhan 74)    | 5.0                  | 6.2                | (+)14                        |           |
| 10     | Mathbaria       | Pirojpur         | Boro (BRRI dhan 74)    | 5.7                  | 6.7                | (+)17                        |           |
| 11     | Mathbaria       | Pirojpur         | Boro (BRRI dhan 74)    | 5.5                  | 6.3                | (+)15                        |           |
| 12     | Mathbaria       | Pirojpur         | Boro (BRRI dhan 74)    | 4.8                  | 5.9                | (+)22                        |           |
| 13     | Mathbaria       | Pirojpur         | Boro (BRRI dhan 74)    | 5.2                  | 6.1                | (+)17                        |           |
| 14     | Mathbaria       | Pirojpur         | Boro (BRRI dhan 74)    | 5.6                  | 6.7                | (+)20                        |           |
| 15     | Kawkhali        | Pirojpur         | Boro (BRRI dhan 74)    | 5.0                  | 5.9                | (+)18                        |           |
| 16     | Kawkhali        | Pirojpur         | Boro (BRRI dhan 74)    | 5.2                  | 6.0                | (+)15                        |           |
| 17     | Kawkhali        | Pirojpur         | Boro (BRRI dhan 74)    | 4.9                  | 6.0                | (+)22                        |           |

## 6. Distribution of Fertilizer Recommendation Card

| Name of Office      | District  | Upazila        | Type of service                 |                             | No. of card distributed | Remarks |
|---------------------|-----------|----------------|---------------------------------|-----------------------------|-------------------------|---------|
|                     |           |                | Nirdeshika based recommendation | Online based recommendation |                         |         |
| Barishal Divisional | Barishal  | Wazirpur       | 1000                            | -                           | 1000                    | -       |
|                     | Jhalakati | JhalakatiSadar |                                 | -                           |                         |         |
|                     | Pirojpur  | Mathbaria      |                                 | -                           |                         |         |
| Total               |           |                | 1000                            | -                           | 1000                    |         |

## 7. Training Programme

### 7(a) Training Received

| Name of Office | Title of the programme | Duration | Host organization | Participant |        |
|----------------|------------------------|----------|-------------------|-------------|--------|
|                |                        |          |                   | Designation | Number |
|                |                        |          |                   |             |        |

### 7(b) Training Imparted

| Name of Office      | Title of the programme   | Duration | Host organization                                       | Participant                              |                 |
|---------------------|--|----------|---|--|-----------------|
|                     |  |          |   | Type                                     | Number          |
| Barishal Divisional | Training on use of Upazila Nirdeshika  | 5 Days   | SRDI, Barishal DO, Financed by SRSRF Project            | SAAO                                     | 50 (1 batch)    |
|                     | Collection of Crop Signature Using Remote Sensing Technology   | 1 Day    | SRDI, Barishal DO, Financed by Remote sensing Programme | SAAO                                     | 30 (1 batch)    |
|                     | Method of soil sample collection, use of balanced fertilizer and identification of adulterated fertilizer in field condition | 1 Day    | SRDI, Barishal DO, Financed by SRSRF Project            | Fertilizer dealer, entrepreneur & farmer | 90 (2 batches)  |
|                     | Method of soil sample collection, use of balanced fertilizer and identification of adulterated fertilizer in field condition | 1 Day    | SRDI, Barishal DO, Financed by GKBSF Project            | Farmer                                   | 120 (4 batches) |
|                     | Method of soil sample collection & use of balanced fertilizer  | 1 Day    | SRDI, Barishal DO, Revenue funded                       | Farmer                                   | 150 (6 batches) |

## 8. Advisory Services to Beneficiaries

| Name of Office      | District  | Upazila       | Agency                              | Service Provided  |
|---------------------|-----------|---------------|-------------------------------------|---|
| Barishal Divisional | Barishal  | Babuganj      | Govt. BM College, Barishal          | Conducted field training of students of soil science department on Geomorphological study of soils of Ganges Tidal Floodplain and study on Agroecological Regions and soil profile study. |
|                     | Jhalakati | Nalchity      |                                     |   |
|                     | Barishal  | BarishalSadar | CEGIS                               | Helped to formulate a project conducting feasibility study on rehabilitation of Barishal irrigation project.  |
|                     | Barishal  | -             | AD, DAE                             | Provided information on soil and water salinity of Barishal Division.   |
|                     | Barishal  | -             | BINA substation, Barishal           | Provided AEZ map and relevant information.  |
|                     | Barishal  | -             | ATI, Rahamatpur, Babuganj, Barishal | Visited to identify soil related problems of growing coffee field & recommended measures to be taken.   |
|                     | Pirojpur  | Nesarabad     | An agril. entrepreneur              | Visited newly developed Sarjan field to evaluate soil properties prior to planting saplings of coconut, mango. Malta & other fruit trees.   |

## 9. Distribution of saplings and/seedlings

| Name of Office      | District | Upazila  | Number |            | Total | Remarks |
|---------------------|----------|----------|--------|------------|-------|---------|
|                     |          |          | Fruits | Vegetables |       |         |
| Barishal Divisional | Barishal | Babuganj | 450    | -          | 450   | -       |
|                     |          | Wazirpur | -      | 2000       | 2000  |         |
| <b>Total</b>        |          |          | 450    | 2000       | 2450  |         |

## 10.Details of Officer/Staff

| Sl. No. | Officer/Staff name      | Designation        | Mobile no   | E-mail                  |
|---------|-------------------------|--------------------|-------------|-------------------------|
| 1.      | Md. SabbirHossen        | CSO                | 01752118094 | sabbirsrdi@yahoo.com    |
| 2.      | Md. Golam Mostafa       | UDA cum Accountant | 01920144950 | g.mostafasrdi@gmail.com |
| 3.      | Md. Rezaul Kabir Laskar | Cashier            | 1772285579  | -                       |
| 4.      | Md. Rahamatullah Hasan  | Computer Operator  | 01853183872 | rhasansrdi@gmail.com    |
| 5.      | Md. Saem Babu           | Tracer             | 01724195881 | shyemsrdi001@yahoo.com  |
| 6.      | Md. Abu Hanif           | OBM Operator       | 01922029662 | Hanif61230@gmai.com     |
| 7.      | Abdus Salam             | Fieldman           | 01741790694 | -                       |
| 8.      | Nahar Begum             | Cleaner            | 01869403147 | -                       |

## 11. Research Experiment (if any):

- i) Abstract
- ii) Introduction
- iii) Objectives
- iv) Materials & Methods
- v) Result & Discussion
- vi) Conclusion

## 12. Salinity Monitoring:(if any)

12(a) Water Data:(Data should be provided both in MS Word &Excel sheet)

### 1. Baleshwar river at Nazirpur Upazila Sadar

| Year  | Month wise EC Value |      |      |      |      |      |      |      |      |      |      |      |
|-------|---------------------|------|------|------|------|------|------|------|------|------|------|------|
|       | Jan                 | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sep  | Oct  | Nov  | Dec  |
| 2020  | 1.96                | 1.75 | 1.45 | 1.04 | 4.96 | 3.18 | 1.72 | 0.95 | 1.15 | 1.3  | 1.45 | 1.75 |
| 2021* | 2.21                | 2.23 | 2.55 | 4.68 | 6.89 | 3.14 | 1.83 | 0.98 | 0.89 | 1.11 | 1.19 | 1.23 |
| 2022  | 1.56                | 1.68 | 1.65 | 1.71 | 4.55 | 3.25 |      |      |      |      |      |      |

\*Due to unusual drought salinity level was much higher than general trend during the month of April to May, 2021.

### 2. Panguchi river at Indurkani Upazila Sadar

| Year  | Month wise EC Value |      |      |       |      |      |      |     |      |      |      |      |
|-------|---------------------|------|------|-------|------|------|------|-----|------|------|------|------|
|       | Jan                 | Feb  | Mar  | Apr   | May  | Jun  | Jul  | Aug | Sep  | Oct  | Nov  | Dec  |
| 2020  | 2.2                 | 2.21 | 3.55 | 7.66  | 4.73 | 3.17 | 2.21 | 1.2 | 1.15 | 1.17 | 1.19 | 2    |
| 2021* | 2.25                | 2.35 | 3.78 | 10.56 | 7.12 | 5.65 | 1.98 | 1.3 | 1.1  | 1.15 | 1.2  | 1.31 |
| 2022  | 1.46                | 1.89 | 3.41 | 8.12  | 5.16 | 4.21 |      |     |      |      |      |      |

\*Due to unusual drought salinity level was much higher than general trend during the month of April to May, 2021.

### 1. Kacha river at Bekutia Ferry Ghat

| Year | Month wise EC Value |      |      |      |      |      |      |      |      |      |      |      |
|------|---------------------|------|------|------|------|------|------|------|------|------|------|------|
|      | Jan                 | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sep  | Oct  | Nov  | Dec  |
| 2020 | 0.29                | 0.43 | 0.46 | 0.61 | 0.35 | 0.16 | 0.15 | 0.17 | 0.16 | 0.18 | 0.15 | 0.19 |
| 2021 | 0.28                | 0.49 | 0.72 | 1.52 | 1.16 | 0.25 | 0.19 | 0.16 | 0.16 | 0.18 | 0.2  | 0.19 |
| 2022 | 0.26                | 0.51 | 0.55 | 0.68 | 0.45 | 0.21 |      |      |      |      |      |      |

\*Due to unusual drought salinity level was much higher than general trend during the month of April to May, 2021.