

## Comparative assessment of growth scenario assessments in Bangladesh (rated with and without mitigation measures)

Source: CEGIS/Integra, (2021).

### A: Without mitigation

**R: Risk score:** where existing environmental and social safeguard policies, regulations, and guidelines are not fully or effectively implemented or enforced, and/or where no or ineffective mitigatory action is taken to avoid, minimize, restore, mitigate, or offset potential impacts of development, and/or the use of clean and sustainable technologies is not compulsory.

|                                           |    |                                                                                                                              | Low growth | Medium growth | High growth |
|-------------------------------------------|----|------------------------------------------------------------------------------------------------------------------------------|------------|---------------|-------------|
| ENVIRONMENTAL OBJECTIVES                  |    |                                                                                                                              |            |               |             |
| Forests, protected areas and biodiversity | 1  | Reduce overexploitation/degradation of habitats, loss of biodiversity, and ecosystem(s) integrity and services               | -3         | -2            | -4          |
|                                           | 2  | Reduce illegal activities related to protected areas and biodiversity                                                        | -3         | -2            | -3          |
|                                           | 3  | Reduce the introduction and spread of Invasive Alien Species                                                                 | -3         | -2            | -3          |
| Waste and pollution                       | 4  | Reduce poor management and unsafe disposal of solid and liquid waste (urban and industrial)                                  | -4         | -2            | -3          |
|                                           | 5  | Reduce all forms of pollution (air, land, water, noise, light, etc.)                                                         | -4         | -2            | -3          |
|                                           | 6  | Minimize emissions of greenhouse gases                                                                                       | -3         | -3            | -3          |
| Climate change and disasters              | 7  | Reduce vulnerability to climate change and natural disasters (salinity intrusion, floods, storm surges, etc.)                | -4         | -3            | -4          |
| Water                                     | 8  | Increase dry season freshwater flow in rivers                                                                                | -3         | -2            | -3          |
|                                           | 9  | Reduce high/peak flows in rivers during monsoon season                                                                       | 0          | 0             | -2          |
| Land degradation                          | 10 | Minimize loss of land due to degradation (e.g., erosion of river banks/water channels, soil salinity, soil erosion, etc.)    | -3         | -2            | -3          |
| Land use change                           | 11 | Minimize conversion of agricultural land (e.g., conversion to shrimp ponds)                                                  | -2         | -3            | -3          |
| SOCIOECONOMIC                             |    |                                                                                                                              |            |               |             |
| Economic growth                           | 12 | Ensure significant economic development and diversification, and increase in economic growth                                 | -2         | -2            | -3          |
| Employment                                | 13 | Enhance opportunities for employment and new/improved livelihoods (particularly for fisheries, agriculture, and eco-tourism) | -2         | -2            | -3          |
| Health and sanitation                     | 14 | Improve health services and the health of society (e.g., by reducing vulnerability to diseases)                              | -2         | -1            | -1          |
|                                           | 15 | Improve and extend water supply and sanitation services                                                                      | -2         | -3            | -3          |

|                                                   |    |                                                                                                                                                                                         | Low growth | Medium growth | High growth |
|---------------------------------------------------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------|-------------|
| Education skills and training                     | 16 | Improve access to education for all, increase attendance (by reducing drop-out rates), and improve skills development and training                                                      | -2         | -1            | -1          |
| Migration                                         | 17 | Reduce migration from rural (including disaster-prone and risk-prone) areas to urban areas                                                                                              | -2         | -2            | -2          |
| Women and children                                | 18 | Improve gender equality and empowerment of women                                                                                                                                        | -1         | 0             | 0           |
| Social inclusion                                  | 19 | Increase the inclusion of landless and marginal land holders in development activities in the SW region                                                                                 | -3         | -2            | -2          |
| Conflicts and security                            | 20 | Reduce conflicts over use of land                                                                                                                                                       | -3         | -2            | -3          |
| Cultural and natural heritage sites               | 21 | Preserve heritage sites (historic buildings, archaeological, and cultural sites, and enhance cultural diversity (e.g., language, arts, etc.) and also Sundarbans natural heritage sites | -3         | -1            | -2          |
| Food                                              | 22 | Improve food security                                                                                                                                                                   | -2         | 0             | 0           |
| Agriculture and fisheries                         | 23 | Increase agricultural and fish production                                                                                                                                               | -1         | 0             | 0           |
| Power and energy                                  | 24 | Increase uptake of renewable energy                                                                                                                                                     | -2         | -1            | -1          |
|                                                   | 25 | Increase efficiency in production and consumption of energy                                                                                                                             | -2         | 0             | 0           |
|                                                   | 26 | Increase access to affordable energy                                                                                                                                                    | -1         | 0             | 0           |
| Tourism                                           | 27 | Improve tourism management and behavior to limit noise, pollution, and other negative impacts and to remain within the carrying capacity of the Sundarbans for tourism.                 | -2         | -1            | -1          |
| Infrastructure, transportation and communications | 28 | Improve the connection of communities and improve access to infrastructure, services, and facilities                                                                                    | -2         | -1            | -1          |
|                                                   | 29 | Optimize the existing and future physical footprint of transport services (rail, road, waterways)                                                                                       | -2         | -1            | -1          |

**B: With Mitigation**

**M: Mitigated score:** where existing environmental and social safeguard policies, regulations, and guidelines are fully and effectively implemented and enforced, and the government implements effective measures to avoid, mitigate, minimize, restore, or offset potential impacts of development and ensures the use of clean and sustainable technologies.

|                                           |    |                                                                                                                                    | Low growth | Medium growth | High growth |
|-------------------------------------------|----|------------------------------------------------------------------------------------------------------------------------------------|------------|---------------|-------------|
| ENVIRONMENTAL OBJECTIVES                  |    |                                                                                                                                    |            |               |             |
| Forests, protected areas and biodiversity | 1  | Reduce overexploitation/degradation of habitats, loss of biodiversity, and ecosystem(s) integrity and services                     | 0          | +2            | +4          |
|                                           | 2  | Reduce illegal activities related to protected areas and biodiversity                                                              | 0          | +2            | +4          |
|                                           | 3  | Reduce the introduction and spread of Invasive Alien Species                                                                       | 0          | +2            | +4          |
| Waste and pollution                       | 4  | Reduce poor management and unsafe disposal of solid and liquid waste (urban and industrial)                                        | 0          | +2            | +4          |
|                                           | 5  | Reduce all forms of pollution (air, land, water, noise, light, etc.)                                                               | +1         | +3            | +4          |
|                                           | 6  | Minimize emissions of greenhouse gases                                                                                             | 0          | +2            | +1          |
| Climate change and disasters              | 7  | Reduce vulnerability to climate change and natural disasters (salinity intrusion, floods, storm surges, etc.)                      | +1         | +2            | +4          |
| Water                                     | 8  | Increase dry season freshwater flow in rivers                                                                                      | 0          | +2            | +4          |
|                                           | 9  | Reduce high/peak flows in rivers during monsoon season                                                                             | 0          | 0             | +2          |
| Land degradation                          | 10 | Minimize loss of land due to degradation (e.g., erosion of river banks/water channels, soil salinity, soil erosion, etc.)          | 0          | +2            | +3          |
| Land use change                           | 11 | Minimize conversion of agricultural land (e.g., conversion to shrimp ponds)                                                        | 0          | 0             | 0           |
| SOCIOECONOMIC                             |    |                                                                                                                                    |            |               |             |
| Economic growth                           | 12 | Ensure significant economic development and diversification, and increase in economic growth                                       | +1         | +3            | +4          |
| Employment                                | 13 | Enhance opportunities for employment and new/improved livelihoods (particularly for fisheries, agriculture, and ecotourism)        | 0          | +2            | +3          |
| Health and sanitation                     | 14 | Improve health services and the health of society (e.g., by reducing vulnerability to diseases)                                    | 0          | +2            | +3          |
|                                           | 15 | Improve and extend water supply and sanitation services                                                                            | 0          | +2            | +4          |
| Education, skills and training            | 16 | Improve access to education for all, increase attendance (by reducing drop-out rates), and improve skills development and training | 0          | +2            | +4          |
| Migration                                 | 17 | Reduce migration from rural (including disaster-prone and risk-prone) areas to urban areas                                         | +1         | +2            | +4          |
| Women and children                        | 18 | Improve gender equality and empowerment of women                                                                                   | +1         | +2            | +4          |

|                                                   |    |                                                                                                                                                                                         | Low growth | Medium growth | High growth |
|---------------------------------------------------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------|-------------|
| Social inclusion                                  | 19 | Increase the inclusion of landless and marginal land holders in development activities in the SW region                                                                                 | +1         | +2            | +3          |
| Conflicts and security                            | 20 | Reduce conflicts over use of land                                                                                                                                                       | 0          | +2            | +2          |
| Cultural and natural heritage sites               | 21 | Preserve heritage sites (historic buildings, archaeological, and cultural sites) and enhance cultural diversity (e.g., language, arts, etc.) and also Sundarbans natural heritage sites | 0          | +1            | +3          |
| Food                                              | 22 | Improve food security                                                                                                                                                                   | 0          | +3            | +4          |
| Agriculture and fisheries                         | 23 | Increase agricultural and fish production                                                                                                                                               | +1         | +2            | +4          |
| Power and energy                                  | 24 | Increase uptake of renewable energy                                                                                                                                                     | 0          | +2            | +3          |
|                                                   | 25 | Increase efficiency in production and consumption of energy                                                                                                                             | +1         | +3            | +4          |
|                                                   | 26 | Increase access to affordable energy                                                                                                                                                    | +1         | +3            | +4          |
| Tourism                                           | 27 | Improve tourism management and behavior to limit noise, pollution, and other negative impacts, and to remain within the carrying capacity of the Sundarbans for tourism.                | 0          | +1            | +3          |
| Infrastructure, transportation and communications | 28 | Improve the connection of communities, and improve access to infrastructure, services and facilities                                                                                    | +1         | +2            | +3          |
|                                                   | 29 | Optimize the existing and future physical footprint of transport services (rail, road, waterways)                                                                                       | +1         | +2            | +4          |