HFM&LIP

Haor Embankment Condition Summary Sheet

Name Of Haor :NaogaonHaor(Part- B)

Date Of Inspections (YYYY/MM/DD) : 2020/02/02

Damage Category

|  |  |  |
| --- | --- | --- |
| No | Category | Description |
| 1 | Complete | Embankment Body is Completely/nearly Completelywashed out/breached. |
| 2 | Severe | Embankment crest and slopearelost.The original shape of the embankments largely lost. |
| 3 | Moderate | Embankment crest partially remains, But slope is largely lost |
| 4 | Mild | Embankment crest and sloperemain.The original shape of slope remains with some erosion. Much of grass turfing is lost. |
| 5 | No | No/minor erosion occurred on crest and slope. Andmuch of grass turfing remains. |

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| **Chainage** | | | **Damage** | | | |
| **Country Side** | | **River Side** | |
| **From (km)** | **To (km)** | **Length (km)** | **Damage** | **Remarks** | **Damage** | **Remarks** |
| 0.00 | 0.096 | 0.096 | Moderate | Wave action. | Moderate | Wave action. |
| 0.096 | 0.136 | 0.040 | Complete | Flow Path from khal | Complete | Flow Path from khal |
| 0.136 | 0.820 | 0.684 | Moderate | Wave action. | Moderate | Wave action. |
| 0.820 | 0.880 | 0.060 | Complete | Flow Path from khal | Complete | Flow Path from khal |
| 0.880 | 1.240 | 0.036 | Severe | Wave action. | Severe | Wave action. |
| 1.240 | 1.300 | 0.060 | Complete | Flow Path from khal | Complete | Flow Path from khal |
| 1.300 | 1.600 | 0.300 | Moderate | Wave action. | Moderate | Wave action. |
| 1.600 | 1.657 | 0.057 | Complete | Flow Path from khal | Complete | Flow Path from khal |
| 1.657 | 2.450 | 0.793 | Severe | Wave action. | Severe | Wave action. |
| 2.450 | 2.505 | 0.055 | Complete | Water entrance/ Wave action | Complete | Water entrance /Wave action |
| 2.505 | 3.000 | 0.495 | Moderate | Wave action. | Moderate | Wave action. |
| 3.00 | 3.500 | 0.500 | Mild | Wave action | Mild | Wave action |
| 3.500 | 16.00 | 12.500 | No | -- | No | -- |
| 16.00 | 23.437 | 7.437 | - | Village &Work under construction | - | Work under construction |
| 23.437 | 23.562 | 0.125 | Complete | Flow Path from khal | Complete | Flow Path from khal |
| 23.562 | 24.060 | 0.060 | Village | -- | -- | -- |
| 24.060 | 24.100 | 0.0.40 | Complete | Flow Path from khal | Complete | Flow Path from khal |
| 29.250 | 30.012 | 0.762 | Complete | Flow Path from khal | Complete | Flow Path from khal |
| 30.012 | 30.150 | 0.138 | No | -- | No | -- |
| 30.150 | 30.750 | 0.120 | Moderate | Wave action. | Moderate | Wave action. |
| 30.750 | 31.200 | 0.450 | Severe | Wave action. | Severe | Wave action. |

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| --- | --- | --- | --- | --- | --- | --- |
| **Chainage** | | | **Damage** | | | |
| **Country Side** | | **River Side** | |
| **From (km)** | **To (km)** | **Length (km)** | **Damage** | **Remarks** | **Damage** | **Remarks** |
| 31.200 | 31.500 | 0.300 | Moderate | Wave action. | Moderate | Wave action. |
| 31.500 | 32.100 | 0.900 | Severe | Wave action. | Severe | Wave action. |
| 32.100 | 32.500 | 0.400 | Severe | Wave action. | Severe | Wave action. |
| 32.500 | 32.650 | 0.150 | Complete | Flow Path from khal | Complete | Flow Path from khal |
| 32.650 | 33.350 | 0.700 | No | -- | No | -- |
| 33.350 | 33.775 | 0.425 | Severe | Wave action. | Severe | Wave action. |
| 33.775 | 33.860 | 0.085 | Complete | Flow Path from khal | Complete | Flow Path from khal |
| 33.860 | 34.00 | 0.140 | Moderate | Wave action. | Moderate | Wave action. |
| 34.00 | 34.870 | 0.870 | No | -- | No | -- |
| 34.870 | 34.962 | 0.092 | Complete | Flow Path from khal | Complete | Flow Path from khal |
| 34.962 | 35.072 | 0.110 | No | -- | No | -- |
| 35.072 | 35.210 | 0.138 | Moderate | Wave action. | Moderate | Wave action. |
| 35.210 | 38.500 | 3.290 | No | -- | No | -- |
| 38.500 | 38.715 | 0.215 | Severe | Wave action. | Severe | Wave action. |
| 38.715 | 38.800 | 0.085 | Severe | Wave action. | Severe | Wave action. |
| 38.800 | 38.850 | 0.050 | No | -- | No | -- |
| 38.850 | 39.225 | 0.375 | -- | Work under construction | -- | Work under construction |
| 39.225 | 39.414 | 0.189 | Severe | Wave action. | Severe | Wave action. |
| 39.414 | 42.800 | 3.386 | Moderate | Wave action. | Moderate | Wave action. |
| 42.800 | 42.932 | 0.132 | Severe | Wave action./Sandy soil | Severe | Wave action/sandy soil. |
| 43.500 | 43.895 | 0.395 | Severe | Wave action./Sandy soil | Severe | Wave action/sandy soil. |
| 43.975 | 44.00 | 0.025 | Complete | Flow Path from khal | Complete | Flow Path from khal |
| 44.00 | 44.100 | 0.100 | Severe | Wave action./Sandy soil | Severe | Wave action/sandy soil. |
| 44.100 | 44.200 | 0.100 | Complete | Flow Path from khal | Complete | Flow Path from khal |

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Date Of Inspections (YYYY/MM/DD) : 2020/02/02

Damage Category

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| --- | --- | --- |
| No | Category | Description |
| 1 | Complete | Embankment Body is Completely/nearly Completelywashed out/breached. |
| 2 | Severe | Embankment crest and slopearelost.The original shape of the embankments largely lost. |
| 3 | Moderate | Embankment crest partially remains, But slope is largely lost |
| 4 | Mild | Embankment crest and sloperemain.The original shape of slope remains with some erosion. Much of grass turfing is lost. |
| 5 | No | No/minor erosion occurred on crest and slope. Andmuch of grass turfing remains. |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Chainage** | | | **Damage** | | | |  |
| **Country Side** | | **River Side** | |
| **From (km)** | **To (km)** | **Length (km)** | **Damage** | **Remarks** | **Damage** | **Remarks** |
| 0.00 | 0.096 | 0.096 | Moderate | Wave action. | Moderate | Wave action. | Type -D, ‡bIov cyivZb †i¸‡jUi msjMœ |
| 0.096 | 0.136 | 0.040 | Complete | Flow Path from khal | Complete | Flow Path from khal | Type-A |
| 0.136 | 0.820 | 0.684 | Moderate | Wave action. | Moderate | Wave action. | Type-B/D |
| 0.820 | 0.880 | 0.060 | Complete | Flow Path from khal | Complete | Flow Path from khal | Type-A(eb¨vi mgq KvUv n‡q‡Q) |
| 0.880 | 1.240 | 0.360 | Severe | Wave action. | Severe | Wave action. | Type-B (ekx W¨v‡gR n‡q‡Q) |
| 1.240 | 1.300 | 0.060 | Complete | Flow Path from khal | Complete | Flow Path from khal | Type-A (euv‡ai Uvb©, d¬vW wdDR jvM‡e) ) |
| 1.300 | 1.600 | 0.300 | Moderate | Wave action. | Moderate | Wave action. | Type-D |
| 1.600 | 1.657 | 0.057 | Complete | Flow Path from khal | Complete | Flow Path from khal | Type-A |
| 1.657 | 2.450 | 0.793 | Severe | Wave action. | Severe | Wave action. | Type-B (‡ekx W¨v‡gR n‡q‡Q) |
| 2.450 | 2.505 | 0.055 | Complete | Water entrance/ Wave action | Complete | Water entrance /Wave action | Type-A |
| 2.505 | 3.000 | 0.495 | Moderate | Wave action. | Moderate | Wave action. | Type-B/D |
| 3.00 | 3.500 | 0.500 | Mild | Wave action | Mild | Wave action | Type-D (wnRj MvQ) mvgvb¨ U‡c ÿwZMÖ¯’ |
| 3.500 | 16.00 | 12.500 | No | -- | No | -- | ------ |
| 16.00 | 23.437 | 7.437 | - | Village &Work under construction | - | Work under construction | ----- |
| 23.437 | 23.562 | 0.125 | Complete | Flow Path from khal | Complete | Flow Path from khal | Type-A †Mvcw`Nx weª‡Ri wb‡P ) |
| 23.562 | 24.060 | 0.060 | Village | -- | -- | -- | ------ |
| 24.060 | 24.100 | 0.0.40 | Complete | Flow Path from khal | Complete | Flow Path from khal | Type-A & Flood Fuse †fRicyi weª‡Ri wb‡P) |
| 29.250 | 30.012 | 0.762 | Complete | Flow Path from khal | Complete | Flow Path from khal | Type-A & Flood Fuse ( nvPvbcyi) |
| 30.012 | 30.150 | 0.138 | No | -- | No | -- | ----- |
| 30.150 | 30.750 | 0.120 | Moderate | Wave action. | Moderate | Wave action. | Type-D |
| 30.750 | 31.200 | 0.450 | Severe | Wave action. | Severe | Wave action. | Type-B |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Chainage** | | | **Damage** | | | | |
| **Country Side** | | **River Side** | |  |
| **From (km)** | **To (km)** | **Length (km)** | **Damage** | **Remarks** | **Damage** | **Remarks** |  |
| 31.200 | 31.500 | 0.300 | Moderate | Wave action. | Moderate | Wave action. | Type-D |
| 31.500 | 32.100 | 0.900 | Severe | Wave action. | Severe | Wave action. | Type-B |
| 32.100 | 32.500 | 0.400 | Severe | Wave action. | Severe | Wave action. | Type-B |
| 32.500 | 32.650 | 0.150 | Complete | Flow Path from khal | Complete | Flow Path from khal | Type-A (Wzwe MÖv‡gi DË‡i Iqvj ch©šÍ) |
| 32.650 | 33.350 | 0.700 | No | -- | No | -- | MÖv‡gi wfZi |
| 33.350 | 33.775 | 0.425 | Severe | Wave action. | Severe | Wave action. | Type-D |
| 33.775 | 33.860 | 0.085 | Complete | Flow Path from khal | Complete | Flow Path from khal | Type-A & Flood Fuse (gviLvjx Lvj) |
| 33.860 | 34.00 | 0.140 | Moderate | Wave action. | Moderate | Wave action. | Type-D |
| 34.00 | 34.870 | 0.870 | No | -- | No | -- | ----- |
| 34.870 | 34.962 | 0.092 | Complete | Flow Path from khal | Complete | Flow Path from khal | ‡Kvb KvR nq bvB |
| 34.962 | 35.072 | 0.110 | No | -- | No | -- | ---- |
| 35.072 | 35.210 | 0.138 | Moderate | Wave action. | Moderate | Wave action. | Type-D |
| 35.210 | 38.500 | 3.290 | No | -- | No | -- | --- |
| 38.500 | 38.715 | 0.215 | Severe | Wave action. | Severe | Wave action. | Type-D |
| 38.715 | 38.800 | 0.085 | Severe | Wave action. | Severe | Wave action. | Type-A (Kvwkcyi MÖv‡gi cwð‡g) |
| 38.800 | 38.850 | 0.050 | No | -- | No | -- | ----- |
| 38.850 | 39.225 | 0.375 | -- | Work under construction | -- | Work under construction | ‡Kvb KvR nq bvB |
| 39.130 | 39.210 | 0.080 |  |  |  |  | Type-A ‡K¬vRvi n‡e †Kvb KvR nq bvB) |
| 39.225 | 39.414 | 0.189 | Severe | Wave action. | Severe | Wave action. | Type-D |
| 39.414 | 42.800 | 3.386 | Moderate | Wave action. | Moderate | Wave action. | Type-D (wkscyi I Kvwkcy‡ii gv‡S) |
| 42.800 | 42.932 | 0.132 | Severe | Wave action./Sandy soil | Severe | Wave action/sandy soil. | Type-B (wkscyi MÖv‡gi mv‡\_ DË‡i) |
| 43.500 | 43.895 | 0.395 | Severe | Wave action./Sandy soil | Severe | Wave action/sandy soil. | Type-D (wkscyi MÖv‡gi c‡i) |
| 43.975 | 44.00 | 0.025 | Complete | Flow Path from khal | Complete | Flow Path from khal | Type-A (eb¨vi mgq KvUv n‡qwQj) |
| 44.00 | 44.100 | 0.100 | Severe | Wave action./Sandy soil | Severe | Wave action/sandy soil. | Type-D/NO |
| 44.100 | 44.200 | 0.100 | Complete | Flow Path from khal | Complete | Flow Path from khal | Type-A & Flood Fuse( †i¸‡jUi I KRI‡q) |

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