

Koeberg - EIA process

Agriculture

Significance Rating Table

De-Commissioning / Rehabilitation Phase

Alternative 1

| Potential Impact                                   | Mitigation                                   | Extent (E)                   | Duration (D) | Magnitude (M) | Probability (P) | Significance (S=(E+D+M)*P) |        | Status (+ve or -ve) | Confidence |
|--|--|------------------------------|--------------|---------------|-----------------|----------------------------|--------|---------------------|------------|
| Impact 1: Loss or degradation of agricultural land | Nature of impact:                            | wind erosion, unstable dunes |              |               |                 |                            |        |                     |            |
|  | with   | 1                            | 4            | 4             | 3               | 27                         | Low    | -                   |            |
|  | without                                      | 2                            | 4            | 4             | 4               | 40                         | Medium | -                   |            |
|  | degree to which impact can be reversed:      | low                          |              |               |                 |                            |        |                     |            |
|  | degree of impact on irreplaceable resources: | low                          |              |               |                 |                            |        |                     |            |

Alternative - 4

| Potential Impact                                   | Mitigation                                   | Extent (E)                   | Duration (D) | Magnitude (M) | Probability (P) | Significance (S=(E+D+M)*P) |        | Status (+ve or -ve) | Confidence |
|--|--|------------------------------|--------------|---------------|-----------------|----------------------------|--------|---------------------|------------|
| Impact 1: Loss or degradation of agricultural land | Nature of impact:                            | wind erosion, unstable dunes |              |               |                 |                            |        |                     |            |
|  | with   | 1                            | 3            | 4             | 3               | 24                         | Low    |                     |            |
|  | without                                      | 2                            | 4            | 4             | 4               | 40                         | Medium |                     |            |
|  | degree to which impact can be reversed:      | low                          |              |               |                 |                            |        |                     |            |
|  | degree of impact on irreplaceable resources: | low                          |              |               |                 |                            |        |                     |            |

Transmission Line - Alternative site 1

| Potential Impact                                   | Mitigation                                   | Extent (E)                   | Duration (D) | Magnitude (M) | Probability (P) | Significance (S=(E+D+M)*P) |     | Status (+ve or -ve) | Confidence |
|--|--|------------------------------|--------------|---------------|-----------------|----------------------------|-----|---------------------|------------|
| Impact 1: Loss or degradation of agricultural land | Nature of impact:                            | wind erosion, unstable dunes |              |               |                 |                            |     |                     |            |
|  | with   | 1                            | 1            | 2             | 2               | 8                          | Low |                     |            |
|  | without                                      | 1                            | 2            | 4             | 3               | 21                         | Low |                     |            |
|  | degree to which impact can be reversed:      | low                          |              |               |                 |                            |     |                     |            |
|  | degree of impact on irreplaceable resources: | low                          |              |               |                 |                            |     |                     |            |

Transmission Line - Alternative site 4

| Potential Impact                                   | Mitigation                                   | Extent (E)                   | Duration (D) | Magnitude (M) | Probability (P) | Significance (S=(E+D+M)*P) |     | Status (+ve or -ve) | Confidence |
|--|--|------------------------------|--------------|---------------|-----------------|----------------------------|-----|---------------------|------------|
| Impact 1: Loss or degradation of agricultural land | Nature of impact:                            | wind erosion, unstable dunes |              |               |                 |                            |     |                     |            |
|  | with   | 1                            | 1            | 2             | 2               | 8                          | Low |                     |            |
|  | without                                      | 1                            | 2            | 4             | 3               | 21                         | Low |                     |            |
|  | degree to which impact can be reversed:      | low                          |              |               |                 |                            |     |                     |            |
|  | degree of impact on irreplaceable resources: | low                          |              |               |                 |                            |     |                     |            |