



Figure 1.2. Performance levels and ranges

1.3.3. Minimum performance objective for low- to medium-rise buildings

1.3.3.1 – Minimum performance objective for low- to medium-rise buildings with an Importance Factor of $I = 1.0$ according to **Table 2.1** is identified as *Life Safety / Controlled Damage Performance Objective* under (E2) level earthquake specified in **1.2**. Without any analytical verification, it is implicitly assumed that a building designed to this performance objective would automatically satisfy *Immediate Occupancy / Minimum Damage Performance Objective* under (E1) level earthquake as well as *Collapse Prevention / Extensive Damage Performance Objective* under (E3) level earthquake.

1.3.3.2 – Minimum performance objective for low- to medium-rise buildings with an Importance Factor of $I = 1.5$ according to **Table 2.1** is identified as *Immediate Occupancy / Minimum Damage Performance Objective* under (E2) level earthquake specified in **1.2**. Without any analytical verification, it is implicitly assumed that a building designed to this performance objective would automatically satisfy *Life Safety / Controlled Damage Performance Objective* under (E3) earthquake level earthquake.

1.3.3.3 – Minimum performance objective for low- to medium-rise buildings with an Importance Factor between $I = 1.0$ and $I = 1.5$ according to **Table 2.1** is identified as in between *Immediate Occupancy / Minimum Damage Performance Objective* and *Life Safety / Controlled Damage Performance Objective* under (E2) level earthquake specified in **1.2**.

1.3.3.4 – Upon the requirement of the Owner or the relevant State Authority, the above-given minimum performance objectives for special low- to medium-rise buildings may be enhanced by assigning higher importance factors within the limits of **Table 2.1**.

1.3.4. Multiple minimum performance objectives for tall buildings

Minimum performance objectives identified for tall buildings are given below (**Table 1.2**) depending upon the earthquake levels defined in **1.2**:

1.3.4.1 – The multiple performance objectives of tall buildings in *Normal Occupancy Class* (residence, hotel, office building, etc.) are identified as *Immediate Occupancy / Minimum Damage Performance Objective* under (E1) level earthquake, *Life Safety / Controlled*