

SEED: Sustainability In Energy and Environmental Development Green Building Rating System for New Construction Projects

| | SEED V1 for New Construction and Renovations Project Checklist Project Name Date | Global Sustainable Development Goals | Green Banking Guideline Rules & Regulations |
|----------------|--|--------------------------------------|--|
| 0 0 0 Y ? N | Chapter 1 Integrative Project Management Process | | |
| | Prerequisite Integrative Project Planning and Design HC required | | |
| | Credit Integrative Proces 5 | | |
| 0 0 0 Y ? N | Chapter 2 Sustainable Transportation & Location Selection | | Pakistan Biosafety Rules, 2005 Pakistan Environmental Protection Motor Vehicle Regulations 2016 Handling, Manufacture, Storage, Import of hazardous waste and hazardous substances Rules, 2016 National Environmental Quality Standards (Certification of Environmental Laboratories) Regulations, 2000 Pollution Charge for Industry (Calculation and Collection) Rules, 2001 |
| | Credit Sensitive Land Protection 1 | | |
| | Credit Surrounding Density and Diverse Uses 5 | | |
| | Credit Access to Quality Transit 5 | | |
| | Credit Bicycle Facilities 2 | | |
| | Credit Reduced Parking Footprint 2 | | |
| 0 0 0 Y ? N | Chapter 3 Sustainable Site Development | | Pakistan Biosafety Rules, 2005 Handling, Manufacture, Storage, Import of hazardous waste and hazardous substances Rules, 2016 National Environmental Quality Standards (Certification of Environmental Laboratories) Regulations, 2000 Pollution Charge for Industry (Calculation and Collection) Rules, 2001 |
| | Credit Site Assessment 3 | | |
| | Credit Site Development- Protect or Restore habitat 3 | | |
| | Credit Open Space 2 | | |
| | Credit Rainwater Management 2 | | |
| | Credit Heat Island Reduction 2 | | |
| 0 0 0 Y ? N | Chapter 4 Water Management & Efficiency | | Hospital Waste Management Rules, 2005 Pakistan Biosafety Rules, 2005 National Environmental Quality Standards (Certification of Environmental Laboratories) Regulations, 2000 |
| | Prerequisite Outdoor Water-Use Reduction required | | |
| | Prerequisite Indoor Water-Use Reduction required | | |
| | Prerequisite Building Level Water Metering required | | |
| | Credit Outdoor Water-Use Reduction 1 to 2 | | |
| | Credit Reduce by 20% 1 | | |
| | Credit Reduce by 50% 2 | | |
| | Credit Indoor Water-Use Reduction | | |
| | Credit Reduction 5% 1 | | |
| | Credit Reduction 10% 2 | | |
| | Credit Reduction 15% 3 | | |
| | Credit Reduction 20% 4 | | |
| | Credit Reduction 25% 5 | | |
| | Credit Reduction 30% - | | |
| | Credit Cooling Tower Water Use 2 | | |
| | Credit Water Metering 2 | | |
| 0 0 0 Y ? N | Chapter 5 Energy Efficiency & Monitoring | | National Environmental Quality Standards (Certification of Environmental Laboratories) Regulations, 2000 Provincial Sustainable Development Fund Board (Procedures) Rules, 2001 Provincial Sustainable Development Fund (Utilization) Rules, 2003 |
| | Prerequisite Fundamental Commissioning and Verification required | | |
| | Credit Minimum Energy Performance 1 to 18 | | |
| | Credit Improve by 12% for New Buildings or 8% for Existing Building Renovations 1 | | |
| | Credit Improve by 14% for New Buildings or 10% for Existing Building Renovations 2 | | |
| | Credit Improve by 16% for New Buildings or 12% for Existing Building Renovations 3 | | |
| | Credit Improve by 18% for New Buildings or 14% for Existing Building Renovations 4 | | |
| | Credit Improve by 20% for New Buildings or 16% for Existing Building Renovations 5 | | |
| | Credit Improve by 22% for New Buildings or 18% for Existing Building Renovations 6 | | |
| | Credit Improve by 24% for New Buildings or 20% for Existing Building Renovations 7 | | |
| | Credit Improve by 26% for New Buildings or 22% for Existing Building Renovations 8 | | |
| | Credit Improve by 28% for New Buildings or 24% for Existing Building Renovations 9 | | |
| | Credit Improve by 30% for New Buildings or 26% for Existing Building Renovations 10 | | |
| | Credit Improve by 32% for New Buildings or 28% for Existing Building Renovations 11 | | |
| | Credit Improve by 34% for New Buildings or 30% for Existing Building Renovations 12 | | |
| | Credit Improve by 36% for New Buildings or 32% for Existing Building Renovations 13 | | |
| | Credit Improve by 38% for New Buildings or 34% for Existing Building Renovations 14 | | |
| | Credit Improve by 40% for New Buildings or 36% for Existing Building Renovations 15 | | |
| | Credit Improve by 42% for New Buildings or 38% for Existing Building Renovations 16 | | |
| | Credit Improve by 44% for New Buildings or 40% for Existing Building Renovations 17 | | |
| | Credit Improve by 46% for New Buildings or 42% for Existing Building Renovations 18 | | |

SEED: Sustainability In Energy and Environmental Development Green Building Rating System for New Construction Projects

| | | | | | |
|--|--------|---|--------|--|--|
| | Credit | Improve by 48%+ for New Buildings or 44%+ for Existing Building Renovations | - | | |
| | Credit | Building Level Energy Metering | 2 | | |
| | Credit | Fundamental Refrigerant Management | 2 | | |
| | Credit | Advanced Energy Metering | 3 | | |
| | Credit | Renewable Energy Production | 1 to 3 | | |
| | Credit | 3% Renewable Energy | 1 | | |
| | Credit | 7% Renewable Energy | 2 | | |
| | Credit | 11% Renewable Energy | 3 | | |
| | Credit | 13% Renewable Energy | - | | |

| | | | | | | |
|---|---|---|--|---|----------|--|
| 0 | 0 | 0 | Chapter 6 Natural Resources & Materials | | | |
| Y | ? | N | | | | |
| | | | Prerequisite | Storage and Collection of Recyclables | required |  Handling, Manufacture, Storage, Import of hazardous waste and hazardous substances Rules, 2016 National Environmental Quality Standards (Certification of Environmental Laboratories) Regulations, 2000 Pollution Charge for Industry (Calculation and Collection) Rules, 2001 |
| | | | Credit | Building and Material Reuse | 4 | |
| | | | Credit | Building Production Disclosure and Optimization-Sourcing of Raw Materials | 4 | |

| | | | | | | |
|---|---|---|---|---|----------|---|
| 0 | 0 | 0 | Chapter 7 Indoor Environmental Quality | | | |
| Y | ? | N | | | | |
| | | | Prerequisite | Minimum Indoor Air Quality Performance | required |  Handling, Manufacture, Storage, Import of hazardous waste and hazardous substances Rules, 2016 Hazardous Substances Rules, 2003 (draft) National Environmental Quality Standards (Certification of Environmental Laboratories) Regulations, 2000 Pollution Charge for Industry (Calculation and Collection) Rules, 2001 Provincial Sustainable Development Fund Board (Procedures) Rules, 2001 Provincial Sustainable Development Fund (Utilization) Rules, 2003 |
| | | | Prerequisite | Environmental Tobacco Smoke Control | required | |
| | | | Credit | Enhanced Indoor Air Quality Strategies | 2 | |
| | | | Credit | Low-Emitting Materials | 2 | |
| | | | Credit | Construction Indoor Air Quality Management Plan | 2 | |
| | | | Credit | Indoor Air Quality Assessment | 2 | |
| | | | Credit | Thermal Comfort | 1 | |
| | | | Credit | Day Light | 2 | |
| | | | Credit | Interior Lighting | 2 | |
| | | | Credit | Quality Views | 1 | |

| | | | | | | |
|---|---|---|-----------------------------|--|---|--|
| 0 | 0 | 0 | Chapter 8 Innovation | | | |
| Y | ? | N | | | | |
| | | | Credit | Innovation | 3 |  |
| | | | Credit | Green Building Guideline Accredited Professional | 3 | |