**Integrating Water Reclamation in Indian cities**

**Who are we? Decision Support for Water Reclamation**

**What do we offer? CWRI, New Installations, Existing Installations, Supply Distribution, Tariff Calculation**

Contact:

1. TAB: **City Water Reclamation Index (CWRI)**

Vulnerability Score (VS) = ∑ (V1\*S2+R+C)

Preparedness Score (PS) = ∑ (P1\*S2+R+C)

Total Score= VS + PS

S1=

|  |  |  |
| --- | --- | --- |
| **Score** | **Existing State (V1)** | **Implementation/Planning State (P1)** |
| -3 | Severe | No Planning |
| -2 | Poor | Planned but No Implementation |
| -1 | Bad | Implementation Planned |
| 0 | Low | 1-20% Implementation in-progress |
| 1 | Average | 30% Implemented |
| 2 | Good | 60% Implemented |
| 3 | Excellent | More than 90% Implemented |

S2=

|  |  |
| --- | --- |
| **Score** | **Significance for Water Sufficiency** |
| 3 | High |
| 2 | Medium |
| 1 | Low |
| 0 | Nil |

R=

|  |  |
| --- | --- |
| **Score** | **Impact Reversibility** |
| 1 | Reversible |
| -1 | Irreversible |

C=

|  |  |
| --- | --- |
| **Score** | **Impact Cumulativeness** |
| 1 | Non-Cumulative |
| -1 | Cumulative |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **S No.** | **Parameter** | **S1** | **S2** | **R** | **C** | **Score** |
|  | | | | | | |
| **Vulnerability Assessment** | | | | | | |
| V1 | Quality of existing surface water source |  |  |  |  |  |
| V2 | Flowrate of existing surface water source |  |  |  |  |  |
| V3 | Level of groundwater table |  |  |  |  |  |
| V4 | Demand and supply gap |  |  |  |  |  |
| V5 | Proneness to drought |  |  |  |  |  |
| V6 | Population of vulnerable group |  |  |  |  |  |
| V7 | STP density and performance |  |  |  |  |  |
| V8 | Infrastructure Resilience |  |  |  |  |  |
|  | | | | | | |
| **Preparedness Assessment** | | | | | | |
| P9 | Adoption of water harvesting techniques |  |  |  |  |  |
| P10 | Social Acceptance |  |  |  |  |  |
| P11 | Policy and Regulations |  |  |  |  |  |
| P12 | Water Reuse Infrastructure |  |  |  |  |  |
| P13 | Demand for Reclaimed Water |  |  |  |  |  |
| P14 | Water Pricing Initiative |  |  |  |  |  |
| P15 | Expansion for Post-distribution Network |  |  |  |  |  |
| P16 | Power Availability |  |  |  |  |  |
| P17 | Land Availability |  |  |  |  |  |
| P18 | Fund Availability |  |  |  |  |  |
| P19 | Decentralised STPs |  |  |  |  |  |
| P20 | Upgradability of Existing STPs Technology |  |  |  |  |  |
| P21 | STP Connectivity Cover |  |  |  |  |  |