**RBWRP- Selection Criteria for Watersheds**

For selection of watersheds a basin level River Basin Technical Working Groups have already been proposed. Approximately 8 watersheds in each basin will be finally selected based on a multicriteria decision analysis including step 1. Desk review and step 2. Rapid assessment in the watersheds to assess suitability. The selection of watersheds process initially begins in 2 rivers basins *Pishin and Nari. Selection of watersheds will* be tasked through the RB-TWG, in September, 2022.

To make a reference in June 2022 the selection process of the following 4 river basins have been completed through an established Multicriteria Decision Analysis (MCDA). The selected, yet to be notified, river basins include;

1. Pishin Lora Basin
2. Nari River Basin
3. Hamun e Maskel
4. Hingol River Basin

Selection Criteria of each watershed will include a two steps approach.

**Step 1 Desk review of GIS MCDA by the River Basin Technical Working Group RB-TWG.**

This will be based on information extracted from ranking of watersheds derived through GIS based Multicriteria analysis for prequalification of high candidate watersheds where field assessment can proceeds. The results of GIS based MCDA for watersheds will be presented to the River Basin Technical Working Group for building for feedback and developing consensus. The GIS based MCDA considers **Relevance** to the RBWRP defined Result Areas as principal criterion summarized in the table below.

**Inclusion Criteria for high candidate watersheds using GIS Framework**

|  |  |  |  |
| --- | --- | --- | --- |
| **CRITERIA** | **INDICATOR**  **(watershed level)** | **WEIGHTAGE/INFLUENCE** | **Final Selection of Watersheds** |
| 1. **Potential for Ground Water Recharge** | Average annual Rainfall (as an indicator of Water availability) | 60% | **75% weightage** |
| Area under Rangelands (sq.km) | 20% |
| Area under Wetlands (sq.km) | 20% |
| **Total** | **100%** |
| 1. **Potential for Surface Water harvesting** | Average annual rainfall for 20 years (mm) | 70% |
| Run-off potential based on soil texture | 20% |
| Population density | 10% |
| **Total** | **100%** |
| 1. **Potential For Livestock Based Interventions** | Livestock Density | 40% |
| Area under rangelands (sq.km) | 60% |
| **Total** | **100%** |
| 1. **Potential for development of value chains for low water economy** | *To be done in Desk review and Rapid Assessment in the Watersheds* | **34%** | **25% Weightage** |
| 1. **Potential for command area development** | *To be done in Desk review and Rapid Assessment in the Watersheds* | **33** |
| 1. **Presence of community based Institutions with track record of implementing development projects** | *To be done in Desk review and Rapid Assessment in the Watersheds* | **33** |
|  | **Total** | **100%** |  |

**Step 2 Field level assessment in the prequalified watersheds**

Step 2 of the selection criteria is the Ground truthing by conducting field level assessment in the prequalified watersheds by RB-TWG consisting of NRM experts (from FAO and Landel Mills) with line department government field staff. A field assessment methodology will be developed well before the rapid assessment.

Based on above criteria Step 1 and Step 2 Recommendations for high candidate watershed will be formulated by the RB-TWG. Accordingly IWRM plans will be prepared based on the findings of GIS based decision analysis and ground truthing by rapid assessment in the field.

**Exclusion criteria for disqualification of include one or more of the following:**

1. Areas with relatively low productivity potential for livestock and cropping in comparison to other areas that is % area falling under rugged and rough terrain
2. Desert and hyper arid areas, (Annual Average Rainfall below 100 mm).
3. Areas with High Security Risk