



The Wadi Approach

CONCEPT NOTE

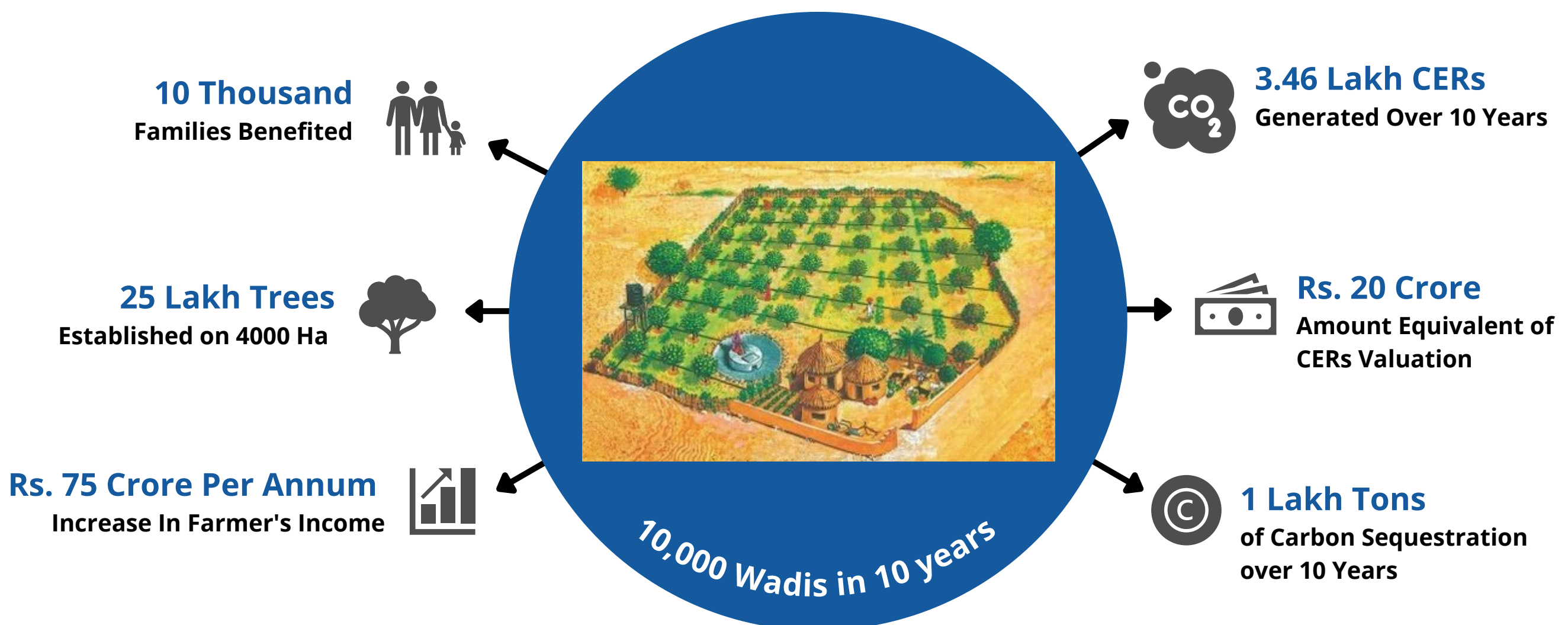
For Carbon Neutrality and Sustainable Livelihoods
Developed by: BAIF Development Research Foundation

- The Wadi Programme involves tree-based farming including integration of fruit and forestry trees with suitable intercrops in the farming system. This converts underutilized and degraded lands into productive assets. The approach emphasizes on soil conservation, soil improvement and water resource development. The tree species contribute to carbon sequestering. The farmers are provided extensive training in various agroforestry management practices.
- The short gestation livelihood activities include improved agriculture, crop diversification through small plot cash crop promotion along tree-based farming. Sustainability of these initiatives is ensured by the Farmer Producer Organizations (FPOs). They are nurtured to take-up value chain activities ensuring appropriate returns on farm produce through value addition, aggregation, and processing.

Impacted SDGs



Wadi Outcomes & Impact



PROJECT APPROACH

The proposed project will be implemented in a cluster based approach. It is proposed to cover 10,000 small and marginal needy families in clusters with each cluster of 15 to 20 village covering 2,000 to 3,000 Wadi families. The Wadi - Agroforestry system will be introduced on 10,000 Acres (4,000 Ha.). Appropriate fruit and forestry species will be introduced based on the agro-climatic conditions as well as market potential.

PROJECT BUDGET

Project support of Rs. 55 Crore considering Rs. 55,000/- per wadi, spread over seven years will be required for the establishment and maintenance of 10,000 Wadis. The Wadi project can be taken up covering minimum 500 families to begin with. The Wadi programme should be taken-up in a minimum unit size of 1,000 families. The approximate cost for 500 families is Rs. 2.75 Crore spread over six years.

Project Timeline and Key Indicators

| Estimates for 10,000 Wadis | YEAR 1 | YEAR 2 | YEAR 3 | YEAR 4 | YEAR 5 | YEAR 6 | YEAR 7 | YEAR 8 | YEAR 9 | YEAR 10 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Project Support / Budget (Lakh Rs.) | 1,140 | 2,152 | 996 | 508 | 439 | 215 | 50 | 0 | 0 | 0 |
| Estimated increase in income (Lakh Rs.) | 0 | 400 | 1,200 | 1,900 | 2,900 | 3,700 | 4,600 | 5,900 | 6,700 | 7,000 |
| Estimated Carbon Sequestered (Tons) | 34,400 | 38,800 | 48,000 | 54,400 | 65,200 | 71,600 | 78,400 | 86,400 | 89,200 | 94,400 |
| Estimated Value of CERs (Lakh Rs.) @ \$8/CER | 737 | 831 | 1,028 | 1,165 | 1,396 | 1,533 | 1,679 | 1,850 | 1,910 | 2,021 |