Pradhan Mantri Krishi Sinchan Yojana- WDC

Best Practice

of Malegaon Village
IWMP-34 (Batch-2)
Block – Barshi
Solapur (M.S)
Basic Information

- Geographical area - 2178 ha
- Population - 2529
- Average Annual Rainfall - 538.5 mm
- Cultivation Area - 2105 ha
- Seasonal Irrigation Area - 766 ha

- Project location in the Deccan basaltic terrain and always facing recurring drought conditions.
Implementaiton

- IWMP Project No. 34 (Batch 2)

- **Preparatory Phase- EPA Activities**
  Solar lamp, Agriculture Library and Tree plantation with tree guard.

- **Works Phase - NRM Activities**
  Compartment Bunding (1800 ha. out of which 665 ha. area was undertaken through JSA), CNB, Nala widening and deepening and Vanrai Bandharas.
Implementaiton

- Compartment bunds - 1800 hectar
- Well recharging - 65 wells
- Cement Nala Bandh - 8
- Nala widening and deepening – 8500 m.
- Vanrai Bandhras - 20
- Farm pond - 4
- Deciltation - 23500 M3

All Activities were completed.
IMPACTS

• Reduction in runoff and soil loss.
• Ground Water Recharge is mainly due to Compartment Bunding (Area Treatment works).
• Water Storage Capacity created - 1858 TCM
• Water levels increased - 10 to 12 feet.
Land utilization pattern

- **Seasonal irrigation**: 1034.66 ha.
- **Perennial irrigation**: 766 ha. (2010-11), 75 ha. (2015-16)
- **Number of wells**: 40 (2010-11), 55 (2015-16)
<table>
<thead>
<tr>
<th>Season</th>
<th>Name of the crop</th>
<th>Before</th>
<th>After</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Area (ha)</td>
<td>Productivity (kg/ha)</td>
</tr>
<tr>
<td>Kharif</td>
<td>Soyabean</td>
<td>350</td>
<td>1200</td>
</tr>
<tr>
<td></td>
<td>Tur</td>
<td>370</td>
<td>434</td>
</tr>
<tr>
<td></td>
<td>Mug</td>
<td>80</td>
<td>576</td>
</tr>
<tr>
<td>Rabi</td>
<td>Jawar</td>
<td>925</td>
<td>550</td>
</tr>
<tr>
<td></td>
<td>Wheat</td>
<td>15</td>
<td>650</td>
</tr>
<tr>
<td></td>
<td>Gram</td>
<td>25</td>
<td>625</td>
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<tr>
<td>Cash crop</td>
<td>Onion</td>
<td>70</td>
<td>12 (Ton)</td>
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<tr>
<td></td>
<td>Shugarkane</td>
<td>158</td>
<td>80 (Ton)</td>
</tr>
<tr>
<td>Horticulture</td>
<td>Horticulture</td>
<td>82</td>
<td>12 (Ton)</td>
</tr>
</tbody>
</table>
Compartment Budding (Area Treatment)

Impact on Water level of well

Before

After

Visit of Hon. Collector
Nala Deepening

Storage and Recharge of stored water increasing ground water table
Nala Deepening

Nala deepening in existing CNB
Mrs. Manisha Gadshing - Cultivation of Sweet Lime

Mr. Baburao Babar - Cultivation of Grapes

Mr. Dilawar Patel - Cultivation of Onion
Malegaon village awarded with Mahatma Phule Jalmitra Puraskar, (First Prize of Rs. 25 lac) in JSA at state Level.