**1. Technology Interventions:**

**NRM technologies:**

* <https://icar.org.in/files/NRM-2702.pdf>
* <https://krishi.icar.gov.in/PDF/com_tech/NRM.pdf>

**Land degradation/Soil Conservation and Watershed Management :**

* Watershed management : Give PDF downloaded link
* Working manual : <https://nrega.nic.in/Netnrega/Data/SPS_Watershed_Works_Manual_Eng.pdf>
* Ravine reclamation :<https://icar.org.in/node/305>

<https://epubs.icar.org.in/index.php/IndFarm/article/view/69291/29392>

* Preventing landslides: <http://www.cswcrtiweb.org/Bulletin/English/ooty_jgt_03_oct_2018.pdf>
* Salinity management : <https://cssri.res.in/technology/>
* Bio-drainage technology for reclamation of waterlogged saline soils: <https://krishi.icar.gov.in/jspui/bitstream/123456789/3600/1/Biodrainage%20Jeet%20Ram%20et%20al..pdf>
* Sub-surface drainage technology for reclamation of waterlogged saline soils : <https://krishi.icar.gov.in/Technology/DetailReport.jsp?id=201520967312645>
* Managing Wind Erosion : <http://www.cazri.res.in/publications/Wind-Erosion.pdf>
* Managing coastal salinity: <http://cwc.gov.in/sites/default/files/salinity-report-hydrology-cwc.pdf>
* Managing acid soils : <http://www.kiran.nic.in/pdf/Extra/acid_soils.pdf>

**Soil health and fertility :**

* Soil health Management :<https://iiss.icar.gov.in/Institute%20Technology.html>
* Waste to wealth: <https://icar.org.in/sites/default/files/Creating-Wealth-From-Agricultural-Waste.pdf>
* Biofertilizers : <https://aicrp.icar.gov.in/biofertilizers/technical-bulletin-2/>

**Water management including waste water:**

* Irrigation water management : <http://www.iiwm.res.in/publication.php> <http://www.iiwm.res.in/publication.php#lf>
* Waste water treatment: <https://icar.org.in/content/jalopchar-eco-friendly-wastewater-treatment-technology>
* Managing arsenic contamination in agriculture :<https://bausabour.ac.in/album/File109_07_202011_47_28PIMG1.pdf#page=27> <https://www.researchgate.net/profile/Srikanta-Samanta/publication/311696016_Arsenic_contamination_in_inland_open_water_ecosystems_and_risk_of_arsenic_exposure_through_fish_and_other_aquatic_biota/links/59ed7cba0f7e9bfdeb71b315/Arsenic-contamination-in-inland-open-water-ecosystems-and-risk-of-arsenic-exposure-through-fish-and-other-aquatic-biota.pdf>

**Farming/cropping system :**

* Package of practices: <https://kvk.icar.gov.in/p_prac.aspx>
* Integrated farming system models :<https://icar.org.in/sites/default/files/BulletinIFS.pdf>
* Organic farming : <https://iifsr.icar.gov.in/icar-iifsr/npof/index.php?id=package_of_practices>
* Efficient alternative cropping systems : <https://iifsr.icar.gov.in/icar-iifsr/pdf/Efficient%20Alternative%20Cropping%20Systems%20%28BOOK%29.pdf>
* Agroforestry technologies: <https://cafri.res.in/technical-bulletins/>
* Solar farming: <https://icar.org.in/sites/default/files/Agri-voltaic%20System.pdf>
* Prominsing dryland technologies:
* Horticultural technologies: <https://www.iihr.res.in/varieties-and-technologies-released-icar-iihr>
* Precision agriculture: <https://krishi.icar.gov.in/jspui/bitstream/123456789/33996/1/Precision%20Agriculture%20in%20India_%20Opportunities%20and%20Challenges.pdf>
* Conservation agriculture: <https://iiss.icar.gov.in/crponca/CA%20_ResearchPaper/Chapter-2.pdf>

**Climate resilient agriculture:**

* Climate resilient technologies : <http://www.nicra-icar.in/nicrarevised/images/publications/Smart%20practices%20&%20technologies.pdf>
* Drought management : <https://agricoop.nic.in/sites/default/files/Drought%20Management%20Plan%20.pdf>
* Coastal Bioshield : <http://59.160.153.188/library/sites/default/files/Toolkit%20for%20establishing%20coastal%20biosheid_0.pdf>
* Abiotic stress management : <https://niasm.icar.gov.in/sites/default/files/pdfs/Technology%20bulletin-33_opt.pdf>
* District Contingency Plan: <https://agricoop.nic.in/en/DocAgriContPlan#gsc.tab=0>

**State/zone specific technologies:**

Gujarat:

* District Contingency Plan: <https://agricoop.nic.in/en/AgricultureContigencyPlan/GUJARAT#gsc.tab=0>

**2. Organization and Establishments for Technology Backstopping**

**ICAR Research Institutes:**

|  |  |
| --- | --- |
| Regional Station of Central Arid Zone Research Institute, Bhuj | <http://www.cazri.res.in/index.php> |
| Regional Station of Indian Institute of Soil & Water Conservation , Vasad | <http://www.cswcrtiweb.org/index1.html?VASAD/Vasad%20Back.htm> |
| Regional Station of Central Soil Salinity Research Institute, Bharuch | <https://cssri.res.in/bharuch-rrs/> |
| KVK Portal | <https://kvk.icar.gov.in/> |

**SAUs/CAUs:**

|  |  |
| --- | --- |
| Sardarkrushinagar Dantiwada Agricultural University | <http://www.sdau.edu.in/> |
| Anand Agricultural University | <http://www.aau.in/> |
| Navsari Agricultural University | <http://nau.in/> |
| Junagadh Agricultural University | <http://www.jau.in/> |
| Kamdhenu University | <http://www.ku-guj.org/> |

**List of KVKs:** <https://icar.org.in/content/gujarat>

**List of Soil testing Laboratories**: <https://farmer.gov.in/STLDetails.aspx?State=24>