

## 1. Technology Interventions:

### *NRM technologies:*

- <https://icar.org.in/files/NRM-2702.pdf>
- [https://krishi.icar.gov.in/PDF/com\\_tech/NRM.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](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](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](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://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/59ed7c](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/59ed7c)

[ba0f7e9bfdeb71b315/Arsenic-contamination-in-inland-open-water-ecosystems-and-risk-of-arsenic-exposure-through-fish-and-other-aquatic-biota.pdf](https://www.arseniccontamination.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](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](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>
- Promising 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](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](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](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](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:**

##### **Assam:**

- Good agricultural Practices in Assam: <https://diragri.assam.gov.in/portlet-innerpage/presentations-on-gaps>
- District Contingency Plan: <https://agricoop.nic.in/en/AgricultureContingencyPlan/ASSAM#gsc.tab=0>

## 2. Organizational Backstopping

### *ICAR Research Institutes:*

Regional Station of National Bureau of Soil Survey & Land Use Planning, Jorhat	<a href="https://nbsslup.icar.gov.in/jorhat">https://nbsslup.icar.gov.in/jorhat</a>
KVK Portal	<a href="https://kvk.icar.gov.in/">https://kvk.icar.gov.in/</a>

### *SAUs/CAUs:*

Assam Agricultural University, Jorhat	<a href="http://www.aau.ac.in/">http://www.aau.ac.in/</a>
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*List of KVKs:* <https://icar.org.in/content/assam>

*List of Soil testing Laboratories:* <https://farmer.gov.in/STLDetails.aspx?State=18>