



Institute Of Rural Research & Development

(An initiative of the Sehgal Foundation)

Empowering Rural India



“With Creating an Awareness, there is hope that a passive recipient will be transformed into an empowered citizen...”

Suri Sehgal

Working Together to Empower Rural India



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India – How most of US know India

- 7 – 9% Annual Growth Rate
- Information Technology
- Taj Mahal and other sites



Infosys®



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India's Socio-Economic Indices:

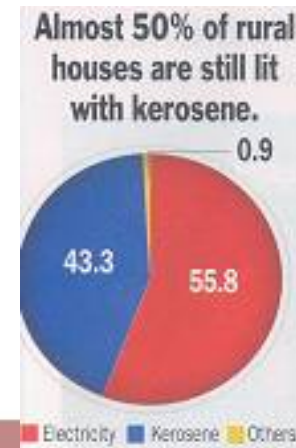
- Population: 1.2 Billion (60% live in Rural India)
 - 1/3 Size of the United States – Population 4 times
- Household Size: 5.3
- 640,000 Villages
- Sex Ratio: 933 and declining
- 36% people below the poverty line
- 44% of adult population is illiterate (25% for men and 55% for women)
- On the Human Development Index, India rank 128 among 174 countries, behind Sri Lanka, China, Mexico





India's Socio-Economic Indices:

- **Annual Per Capita Water Availability is on the Decline in India**
 - In some Metros water table dropping 6 ft annually
- **India's electricity production only meet 60% of the requirements**
- **17% Gross Domestic Product (GDP) from Agriculture**
 - 60% of India's workforce employed in agri-related field
- **High Infant Mortality Rate**
 - 1 in 5 newborn deaths in the World occurring in India





Programs for Rural Development:

- Education: Free and compulsory education to Children Ages 6-14 years (Right to Education)
- Employment Guarantee (NREGA) – Water Management & Agriculture
- Food: Public Distribution System for the poor
- National Rural Health Mission (VLC)
- Right to Information

India's Annual Budget for Rural Development
US \$15 Billion



Why the disconnect

- It is a known fact that only 15% of allocated funds actually reach the needy
- Information about the development programs never reach the masses
- Rampant absenteeism, indifference, incompetence, and corruption amongst the service providers in rural India





Solution: Empowerment of the Communities


- Teachers to Teach (activating the Village Education Committees)
- Clinics to Treat (Empowering the Village Level Committees)
- Effective Water Management
- Sustainable Agriculture






Role of Non Governmental organizations (NGO) and Civil Societies Organizations (CSO)

- Bridging the Gap
 - Setup replicable demonstrations (Demo Villages)
 - Service Delivery (Key areas)
- Empowering the Communities of their rights
 - Rights Based approach

- 
- Water
 - Agriculture
 - Alternative Energy

- 
- Education (VEC)
 - Health (VLC)
 - Public Distribution system)





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VISION

IRRAD envisions rural people across India motivated and empowered to make their lives more secure and prosperous through education, better health, improved skills, and supportive governance.

MISSION

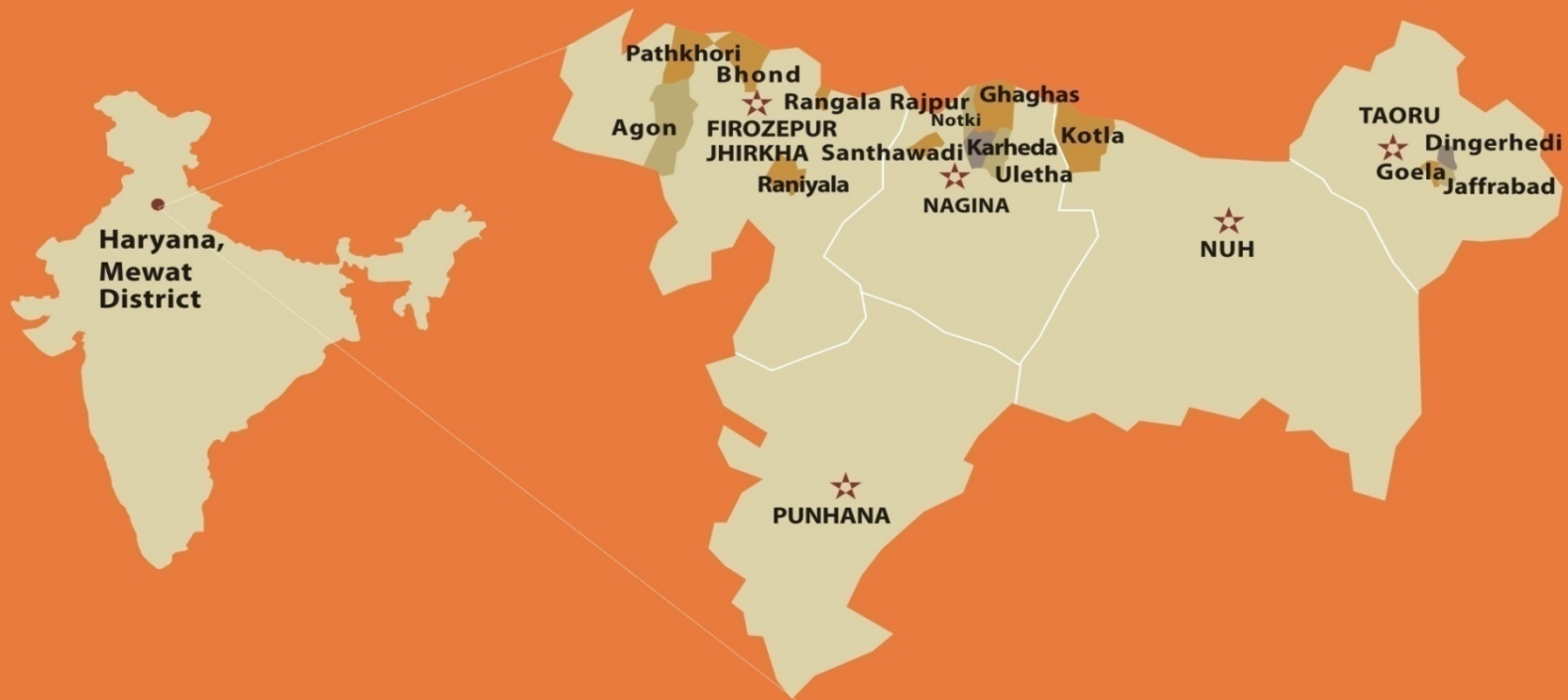
IRRAD's mission is to implement Integrated Sustainable Village Development (ISVD) in select village clusters through build capacities, undertake rural research, improve village governance, and serve as a premier knowledge institution for rural development and poverty reduction in India



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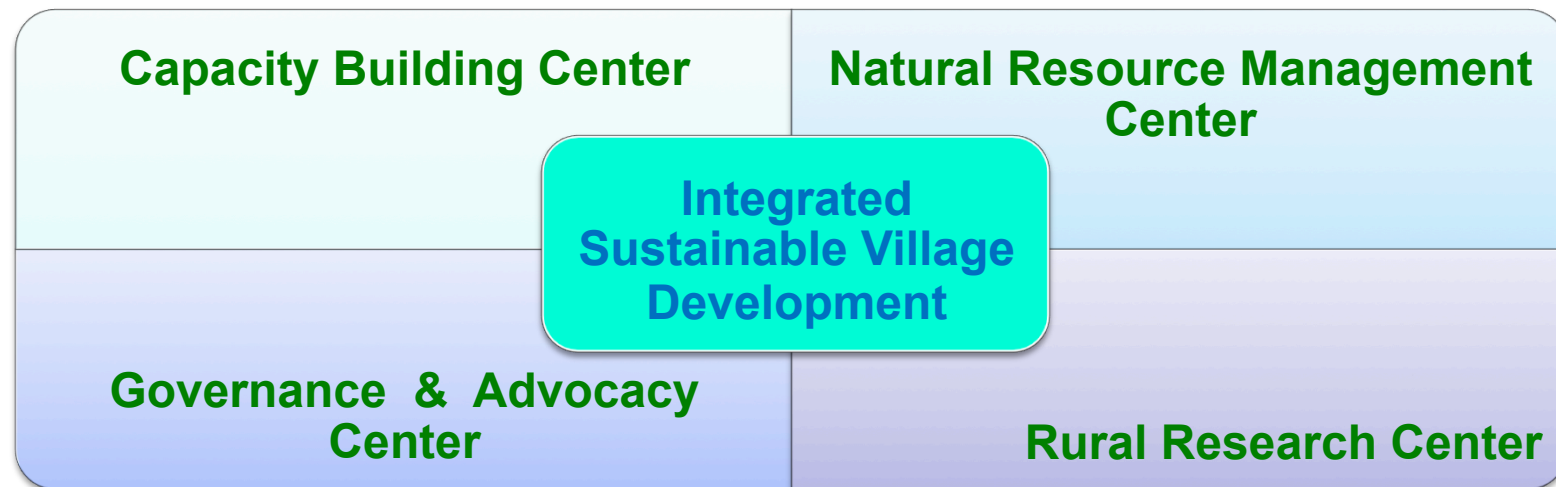
Area of Implementation





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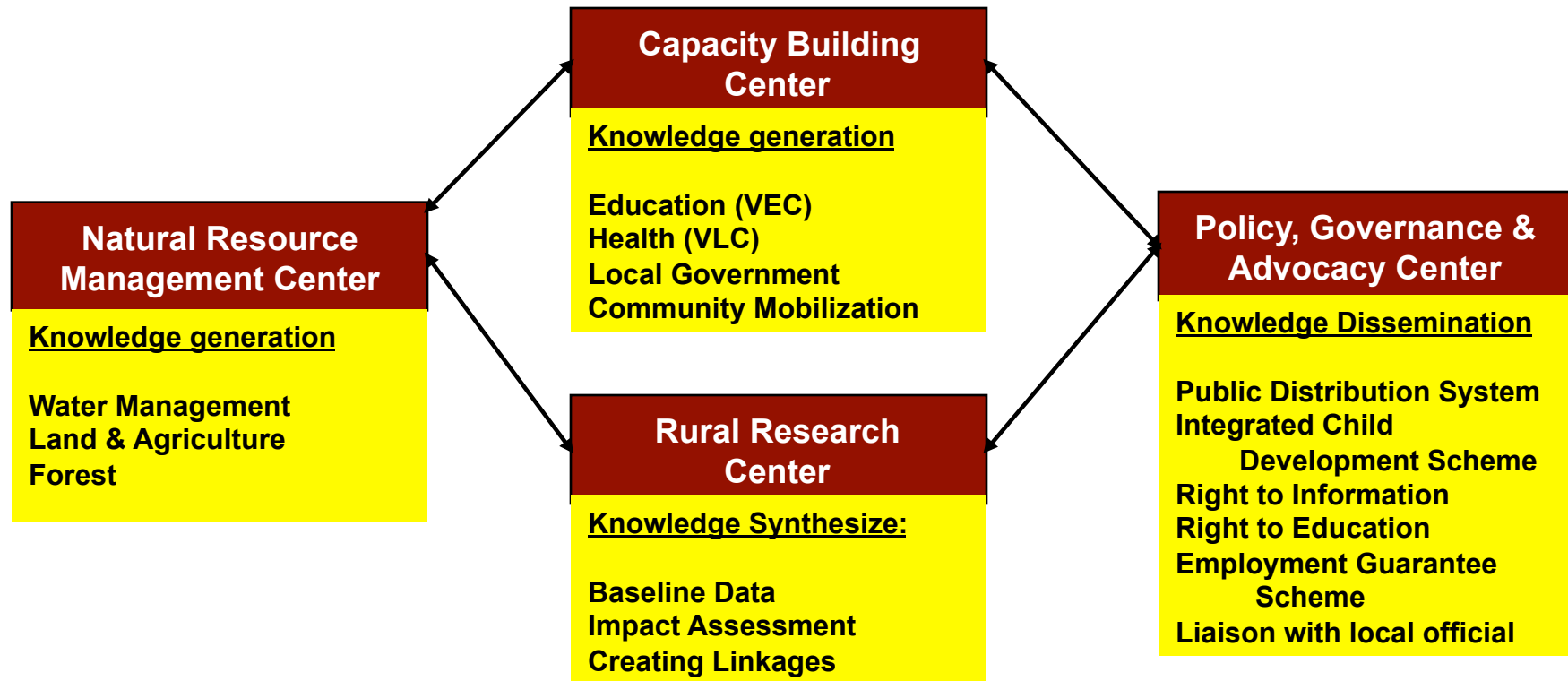




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A Premier Knowledge Institute IRRAD's Four Centers



Good Governance Now

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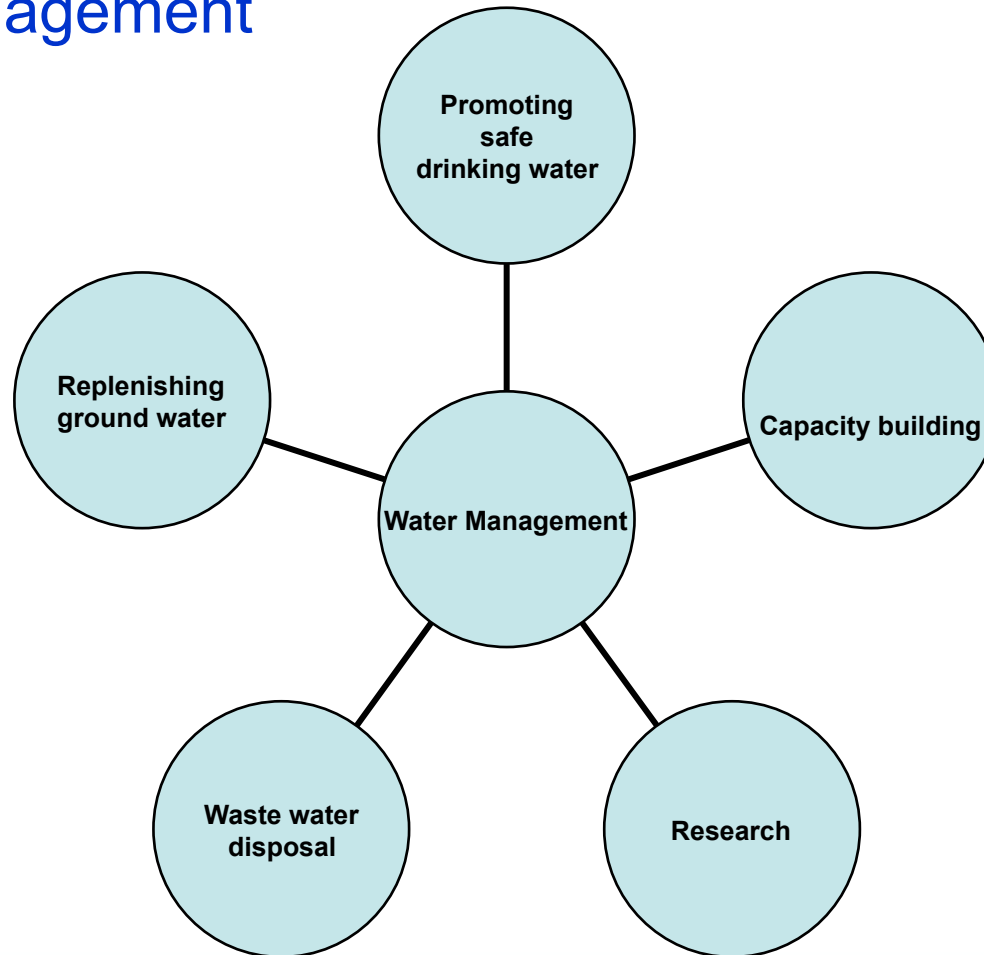
Natural Resource Management

WATER

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Water Management





Countering the ground water depletion to enhance water availability and quality

Replenishing ground water

- Check dam
- Well recharging
- Farm pond
- Loose Stone structure
- Recharge Well
- Plantation
- Soak pit / Soak well
- Waste Water trenches





Promoting safe drinking water

- Bio-sand filter
- House hold Rain Water Harvesting
- School Rain Water Harvesting
- Drinking water tank
- Well platform
- Rejuvenation of traditional structures
- Hand pumps
- Community taps





Capacity Building

- Water literacy drive
- Water conservation Campaigns
- Public Hearings
- Sensitizing the communities about water issues
- Linking communities to public schemes
- National workshops
- Building capacity of other organizations
- Technical assistance to Govt. bodies

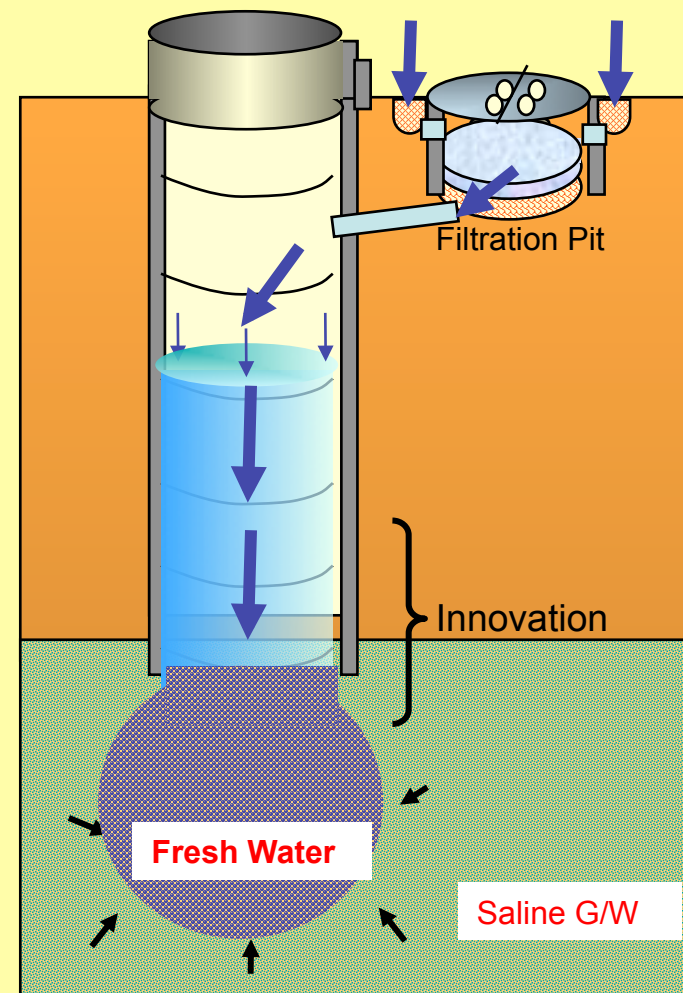




Innovation and technology through action research

- Innovative WM technologies
- Solar desalination
- Other demos
- Water profile
- Surveying water bodies

Recharge well





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Demonstration Village

Notaki, Mewat, Haryana



Objectives of Setting up a demonstration village

Seeing is believing

- Demonstrate replicable components for stakeholders and government
- Visible difference in the quality of life of the village
- Key focus on hygiene and sanitation
- Establish partnerships with stakeholders-community, government, corporate



Activities

- Cement Road
- Soak wells: 7
- Latrines: 105
- Delivery Hut
- Model Orchard
- Solar Street Light
- Tree Plantation
- Support to School
 - boundary wall, benches, toilets, Cooking area, plantation, education tools

Benefits

- Hygiene and Sanitation
- Open Defecation Free
- Safe Deliveries
- Sustainable income for Panchayat
- Street Electrification
- Better Environment
- Improvement in quality of life



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Notki school: Before and after





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Road : Before and Under Construction





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Model Orchard : Before and after





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Tree plantation



Household latrines





आदर्श गांव नोटकी

इन्स्टीट्यूट ऑफ रुरल रिसर्च एण्ड डवलपमेन्ट (सहगल फाउंडेशन)
व ग्राम समुदाय का संयुक्त प्रयास

क्र.स.	कार्य का नाम	इकाई	योगदान				कुल लागत
			सहगल फाउंडेशन (रुपयों में)	ग्राम पंचायत	ग्राम-समुदाय	राज्य सरकार	
1.	पक्की सड़क	1 कि.मी.	2038154	13,000			2051,154
2.	शौचालय	67	3,00,000		40,000	50,000	3,90,000
3.	आदर्श बगीचा	$\frac{4-13}{\text{एकड़}}$	580,000				580,000
4.	पेड़ (ट्री गार्ड सहित)	150	2,05,000				2,05,000
5.	सौख्यता कुरंग	6	16,650				16,650
6.	स्कूल (बुनियादी सुविधाएँ)		5,30,685			14,000	5,44,685
7.	जच्चा-बच्चा केन्द्र	1	3,82,042				3,82,042
8.	सोलर लाईट	5	1,40,400				1,40,400
9.	अन्य गति विधियां						43,10,331

पारिवारिक जीवन शिक्षा केन्द्र, टीका करण, सौख्यता सड़क कुल योग 4 12:18PM



IRRAD has chosen to lead by example by building a new 'smart' facility combining simplicity of design with environment-friendly technologies.

Some of the key features of the building are:

- 35 KwP photovoltaic solar panels
- Energy-efficient heating/cooling and lighting
- Waste-water recycling
- Zero water run-off from the site

Dormitory facility for students





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IRRAD – Possibilities of Association

- Technology
- Volunteer and Interns
- Financial



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For more information on the Activities of IRRAD:

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