

Enabling private-sector input and output supply chains for resilience of farms facing climate risks

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Main points

- a) Farmers who want to be climate-resilient depend on input supply chains
... input firms & traders & truckers who come sell to their area
- b) Farmers who want to be climate-resilient and sell products depend on output supply chains
... traders, processors, truckers, who come buy from their area
- c) Promoting climate resilience of farms depends on facilitating supply chains selling farmers affordable things they need to manage climate risk & shocks
- d) Climate resilience depends on how easy it is for SMEs & big firms to operate those supply chains

1. Farmers want climate resilience: they rely on input supply chains

- a) tube-wells and irrigation: firms selling pumps, tubes, digging services
- b) Water control assets: culverts, dams, retaining walls, pond lining: firms selling construction services, cement
- c) green houses: firms selling plastic sheet, fans, pipes, bamboo poles, glass
- d) Mechanization for timely harvest: firms selling farm machines, mobile combine services
- e) Seeds & breeds that survive heat & drought: firms selling seeds, chicks, fingerlings

2. Farmers depend on output supply chains to be climate resilient

- a) Farmers' incomes depend on prices & continuity of urban & export market access
 - b) market access (and prevention of an at-risk zone being an enclave) depends on
 - b.1) government climate-proofing investments in roads, rail, ports.
 - b.2) private sector (small & large) investments in trucks, warehouses, cold chain, etc.
- ... and the incentive to buy from at-risk zones & farms

3. The stakes are high & the needs are clear
- a) Farmers in risky zones rely on continuous and affordable access to input and output supply chains selling them things they need to mitigate their local risk
 - b) Supply chain enterprises have an incentive to work with those farmers
- ... but only if there is an enabling policy & infrastructure environment
- ... “ease of doing business” → farmers’ capacity to deal with climate risk and be resilient