

Peer Review Plan

Preliminary Title: Propelling Agricultural Productivity in India

Type of Report
(ERR, EIB, EB,
TB, SOR,) ERR

Agency: Economic Research Service [X] Influential Scientific Information
USDA [] Highly Influential Scientific Assessment

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Subject of Review: The Green Revolution in India was an agricultural strategy to achieve grain self-sufficiency following severe droughts in 1965/66 and 1966/67. The Indian government restructured its agricultural research and extension services to facilitate rapid farmer adoption of high-yielding, semi-dwarf wheat and rice varieties developed by international agricultural research systems. It concurrently invested heavily in market, irrigation, and transportation infrastructure and in price supports to intensify grain production, particularly in the Indian North. The success of these strategies continue to shape Indian agricultural policy as evidenced by the endurance of heavily regionalized and commodity-specific input subsidies, output price supports, and government procurement programs. This report revisits India's agricultural performance in a post-Green Revolution time frame, capturing its recent agricultural diversification to higher valued outputs. Specifically, the report examines the Total Factor Productivity-growth impact of public investments in national and international agricultural research; of water, in the form of rainfall and irrigation; of national price policy; and of public investments in transportation infrastructure and human capital. Estimates of the returns on public national agricultural research investments are calculated.

Purpose of Review: The purpose of the review is to ensure the high-quality of the economic analysis, transparent explanation of methods, objective interpretation of results, and effective communication to the intended audience.

Type of Review: [] Panel Review [X] Individual Reviewers
[] Alternative Process (Briefly Explain):

Timing of Review (Est.): Start: 01/28/15 End: 05/13/15 Completed: 05/13/15

Number of Reviewers: [] 3 or fewer [X] 4 to 10 [] More than 10

Primary Disciplines/Types of Expertise Needed for Review: Economists

Reviewers selected by: [X] Agency [] Designated Outside Organization
Organization's Name:

Opportunities for Public Comment? [] Yes [X] No

If yes, briefly state how and when these opportunities will be provided:

How:

When:

Peer Reviewers Provided with Public Comments? Yes No
Public Nominations Requested for Review Panel? Yes No

