



# THE SMARTEST SOLUTIONS FOR ANDHRA PRADESH

- ▶ **IMPROVE LEARNING OUTCOMES**
- ▶ **NUTRITION FOR PREGNANT WOMEN**
- ▶ **IMMUNISATION CAMPS IN LAGGING DISTRICTS**

Based on peer-reviewed analyses from dozens of top economists from Andhra Pradesh, India and abroad, a panel of eminent economists has prioritized more than 70 interventions in terms of their value-for-money. Their list shows where each rupee can do the most economic, social and environmental good for Andhra Pradesh.

## **1. Computer assisted learning at the right level**

Use educational software that adapts to students' learning levels and pace, together with a teacher for 90 minutes a day. 5 months per student cost is ₹1300, for benefits in lifetime earnings worth ₹83,000.

## **2. Micronutrients for pregnant women at ANC visits**

Provide vitamins and nutrients at antenatal visits. Health workers, training and supplements cost ₹88 crores annually, and would avoid more than a lakh of maternal anemia, and 1,400+ deaths.

## **3. Immunisation camps in lagging districts**

Provide immunisation programmes in lagging areas, with a meal to encourage parents to attend. This costs ₹10 crores and could save 220 children annually.

## **4. Education for complementary feeding and hand-washing**

Counsel mothers to improve breastfeeding, complementary feeding, and hand-washing, to cut deaths from diarrhea. The cost per mother is ₹1,200, for benefits of ₹71,400.

## **5. Secondary prevention of cardiovascular disease**

Screen 70% of 30-69 year-olds for CVD and treat elevated blood pressure with polypills. This could avoid more than 2.6 lakh deaths over 13 years, at an average treatment cost of ₹4,000.

## **6. Self-help groups against domestic violence**

Combine microfinance with module on gender transformation. ₹142 crores will reduce intimate partner violence by 55%, with health and economic benefits worth ₹3,000 crores.

## **7. Group and teach children at the right level**

Improve learning outcomes by grouping children according to their level. Per student cost is as little as ₹1110, generating benefits in lifetime earnings worth more than ₹49,000.

## **8. Community mobilisation against domestic violence**

Support communities to change norms in four-phased program. ₹164 crores will reduce intimate partner violence by 55%, with health and economic benefits worth 3,000 crores.

## **9. Package of nutrition based interventions**

Behaviour change counselling, supplementary food and micronutrient supplements will cost ₹12,900 per beneficiary; increasing coverage by 10% will avoid nearly 200 deaths and reduce stunting by 20% in beneficiary group.

## **10. Improved cyclone early warning systems**

Increase effectiveness of the EWS up to 99% of the population. This will avoid losses worth ₹1.2 lakh crores over 35 years.





## PANEL OF EMINENT ECONOMISTS

**Finn Kydland** shared the Nobel Memorial Prize in Economics with Professor Edward C. Prescott in 2004. He is director of the Laboratory for Aggregate Economics and Finance as well as a professor in the Department of Economics, at the University of California, Santa Barbara.

**Nisha Agrawal** has been working on poverty, inequality and development issues for more than three decades. She is the Former Chief Executive Officer of Oxfam India. Prior to that she has worked with the World Bank on development issues for 18 years.

**Vinita Bali** is Chairman of GAIN (Global Alliance for Improved Nutrition), with extensive experience as a global business leader in Britannia Industries Ltd. and multinationals like The Coca-Cola Company and Cadbury Schweppes PLC in India, the UK, Nigeria, South Africa, Latin America and the USA.

**S. Mahendra Dev** is Vice Chancellor of Indira Gandhi Institute for Development Research, and President of the Indian Economic Association. He has served as Chairman of the Commission for Agricultural Costs and Prices, Ministry of Agriculture, and Acting Chairman of the National Statistical Commission of India.

## ACADEMIC EXPERTS

**Abhishek Kumar**, CUG, Gandhinagar  
**Abusaleh Shariff**, US-India Policy Inst.  
**Alex Golub**, AU, Washington DC  
**Amitabh Kundu**, RIS, New Delhi  
**Amitendu Palit**, NU Singapore  
**Amit Sharma**, The World Bank  
**Ankush Malhotra**, UMTC  
**Anandajit Goswami**, TERI  
**Arjun Kumar**, IHD, New Delhi  
**Bjorn Larsen**, Ind. Consultant  
**Bhawna Tyagi**, IL&FS  
**D K Mangal**, IIHMR, Jaipur  
**Dinesh Kumar**, IRAP, Hyderabad  
**Eshita Mukherjee**, DEF  
**Gaurav Bhatiani**, IL&FS  
**Kaushik Bandyopadhyay**, IIM, Lucknow  
**Kushal Sagar Prakash**, Sunay Policy  
**Mansi Arora**, Sunay Policy Advisory  
**Md Mahbub Hossain**, IIHMR, Jaipur  
**Michael Murigi**, Uni. of Sydney  
**Mrinal Chadha**, NU Ireland  
**Munshi Sulaiman**, Save the Children Int.

**Nata Duvvury**, NU Ireland  
**Neeraj Sharma**, IIHMR, Jaipur  
**Nilanjan Banik**, Bennett Uni., Delhi  
**Nim Pathy**, Imperial College London  
**Nirupama Soundararajan**, PIF  
**O Rajesh Babu**, APUIAML  
**Parijat Dey**, IL&FS  
**PR Sodani**, IIHMR, Jaipur  
**Rajesh Chakrabarti**, Sunay Policy Adv.  
**ReenaMithal**, Sankhya Capital  
**Ritu Srivastava**, DEF  
**S D Gupta**, IIHMR, Jaipur  
**S V Subramanian**, Harvard T.H. Chan School of Public Health  
**Shagun Khurana**, Pahle India Foundation  
**Shreelata Rao Seshadri**, Azim Premji Uni.  
**Sonali Chowdhry**, IL&FS  
**SouvikBhattacharjya**, TERI  
**Srinivas Raghavendra**, NU Ireland  
**Surabhi Mittal**, TARINA, TCI  
**Vijayalakshmi Hebbare**, CGHR, Bangalore  
**William Joe**, IEG, Delhi

### ADVISORY COMMITTEE:

**Ashok Kumar Jain** is Adviser (Rural Development, Drinking Water & Sanitation, Housing, and Sustainable Development Goals) in NITI Aayog,

**S. Galab** Director, CESS (Centre for Economic and Social Studies, and leading the Young Lives Project on childhood poverty in Andhra Pradesh.

**Faizan Mustafa**, Vice- Chancellor of NALSAR University of Law, and renowned jurist of constitutional law.

**Pavithra Kumar R**, heads the Tata Trusts operations in South India

**Usha Vyasulu Reddy**, Advisory Faculty at the Centre for IT and Public Policy, IIIT, Bangalore.

**Shri G. Sudhir**, IAS (Retd), joined service in 1977 and served in the undivided state of Andhra Pradesh





## THE EMINENT PANEL RANKING

1. Computer assisted learning at the right level
2. Micronutrients for pregnant women at ANC visits
3. Immunization camps in lagging districts
4. Education for complementary feeding and hand-washing
5. Secondary prevention of cardiovascular disease
6. Self-help groups against domestic violence
7. Group and teach children at the right level
8. Community mobilisation against domestic violence
9. Package of nutrition based interventions
10. Improved cyclone early warning systems
11. Improve land records digitisation
12. Tablets to reduce anaemia in adolescent girls
13. Supplementary food for mother and child
14. Diabetes screening and treatment
15. Hire local teachers to improve pre-school classes in AWCs
16. Certified seed production
17. Family planning for unmet need
18. Toilet provision for girls' secondary school enrolment
19. Bicycle transfer for girls' secondary school enrolment
20. Expand urban ambulance network
21. Improved maternal and neonatal health care
22. Conditional cash transfer for ANC visits
23. Improve private sector TB care
24. Improve private sector TB care and active case finding
25. Expand rural ambulance network
26. Cash incentives to attend pre-school classes in AWCs
27. Seafood certification for export
28. Build warehouses, storage and cold chain
29. Subsidised apprenticeships
30. Treatment for children with severe acute malnutrition
31. Drip irrigation and mulching in high value crops
32. Vocational training program
33. Connect rural households to national fibre optic network
34. Improved mobile phone advisory
35. Mass media breastfeeding promotion and counseling
36. Flush / Pour-flush sanitation - rural
37. Expand skill training for women
38. Indoor air pollution: Improved biomass cookstoves promotion
39. Cash transfer for girls' secondary school enrolment
40. Elevated bus line system
41. Improved drinking water supply - urban
42. Zig-zag brick kiln technology to reduce air pollution
43. Vertical shaft brick kiln technology to reduce air pollution
44. Flush / Pour-flush sanitation - urban
45. Behavioural change for household treatment of drinking water
46. Expand water use efficient irrigation
47. Improved drinking water supply - rural
48. Coastal economic zone
49. Well-structured incentives to teachers
50. Urban 24x7 piped water supply
51. Direct non-monetary incentives to reduce child marriage
52. In-situ slum redevelopment
53. Urban waste collection 100 percent
54. Expand poverty graduation and livelihood programs
55. Energy efficient agricultural water pumps
56. Double teacher-pupil ratio
57. Cervical cancer screening and treatment
58. Credit support to micro, small and medium enterprises
59. Expand UID (Aadhaar) based payments for MGNREGA
60. Upgrade agricultural power distribution
61. Mental health counselling in schools
62. Behavioural change for use of existing sanitation facilities
63. Indoor air pollution: Free LPG connection to poor households
64. Expand crop insurance coverage
65. Hiring centres for farm machinery
66. Local food processing
67. Urban metro rail system
68. Energy storage in commercial buildings - water
69. Energy storage in commercial buildings - hybrid salts
70. Private-public affordable housing projects
71. Subsidised do-it-yourself extension and construction
72. Urban sewerage and wastewater treatment 100 percent
73. Breast cancer screening and treatment
74. Training of teachers
75. Port infrastructure and hinterland connectivity
76. Indoor air pollution: LPG subsidy reduction by 50%
77. Farmer loan waivers

