

Delivering Nature Based Solutions by integrating social assistance and labour market programme Lessons from CRISP-M tool

Ritu Bharadwaj, Principal Researcher and Team Leader, Climate Resilience and Social Protection (Ritu.Bharadwaj@iied.org)

28 February 2023

www.iied.org



How can labour market programmes deliver resilience?

Enable communities to survive and thrive during climate crisis



Ritu Bharadwaj / @IIED

accessible to ADB Management and staff. It may be shared outside ADB with appropriate permission

What would Resilient Infrastructure mean?

Enable communities to protect and promote natural resource based livelihoods



'Outcome' planning on a landscape based approach- use of GIS and climate information

Focus on NbS and people-centred environment rehabilitation

Equitable access to the assets, resources and benefits

Convert Crisis into Opportunity

Move From Relief To Permanent Drought-Proofing and flood resilience

Towards Community-level Water and Livelihood Security

Ritu Bharadwaj / @IIED

Pathway to resilience through public works based social assistance programme



Sharing Experience of CRISP-M Tool

CRISP-M: Delivering nature based solutions through GIS and Climate information

Watershed boundary Land use and land cover Geomorphology Geology, soil type/soil profile Ground water prospect Contour and site slope Drainage characteristics Lineament

Short-/medium-/ seasonal-term prediction and long-term forecast

Climate impact assessment through SWAT modelling (annual percentage change in rainfall, ground water recharge and water yield)



Thematic maps help in better planning and selection of works — specific to site topography, biophysical characteristics and hydrogeomorphology

Integration of climate risk assessment in decision-making tool

Short term — planning for addl. 50 days' wage, crop selection, irrigation plan

Long term — choice, quality and design of assets, livelihood planning, skill development

Top-Down and Bottom-Up Planning process



iied

INTERNAL. This inforr

Gender and intersectionality

"When I go to village meetings, people look at me with respect and awe because I have information that they don't have. But I just don't use the information to help myself. I share it, so that others can benefit from it."

Rukmani Bai, 55, farmer and women's self-help group leader









Landscape-based planning

"With CRISP-M tool we are all technical experts now. We choose the land and where and what type of structure to build. We are no longer dependent on outsiders. This is better because we know what is best for us."

Heeralaal Barela, farmer from Bisanjpur Tandi village of Madhya Pradesh



INTERNAL. This information is accessible to ADB Management and staff. It may be shared outside ADB with appropriate permission





Thank you

Ritu.Bharadwaj@iied.org