

Request for Quotation

For conducting surveys in four districts of Andhra Pradesh viz. Anantapuramu, West Godavari, Prakasam, and Vizianagaram

Center for Study of Science, Technology and Policy (CSTEP) [hereinafter referred to as 'client'] requests for quotations from suitable agencies [hereinafter referred to as 'consultant'] to conduct surveys, for which the details are explained below.

1. Context of the Project

The Government of Andhra Pradesh (AP) has initiated an ambitious programme for transition towards sustainable agriculture through Zero-Budget Natural Farming (ZBNF). It aims to reach out to 6 million farmers and convert 8 million hectares (ha) of land under conventional farming¹ (using chemical fertilisers and pesticides) to ZBNF, by 2024.

ZBNF is being implemented by Rythu Sadhikara Samstha (RySS), a not-for-profit organisation set up by the Department of Agriculture. Currently, 5.04 lakh acres of land area in AP is cultivated using the principles of ZBNF. The project aims to perform an objective assessment of ZBNF practices over conventional farming (in terms of economic, environmental, and social aspects) to ensure long-term sustainability. The current study specifically aims to:

1. Perform an impact assessment of ZBNF farming practices, in comparison with conventional farming, at the farm level with respect to
 - a. Greenhouse gas emissions
 - b. Energy and water requirement
 - c. Cost of cultivation and net revenue
 - d. Social aspects (specifically, health and women empowerment)
2. Evaluate the impact of state-wide scale-up of ZBNF (with respect to the metrics listed above) and assess the impact of reduction in subsidies for conventional farming

2. Study Area

In order to meet the project objectives, the study requires a physical survey in four districts of Andhra Pradesh, viz. Anantapuramu, West Godavari, Prakasam and Vizianagaram. The districts have been chosen based on criteria such as variations in farming practices, performance (energy, yield, etc.) and climatic-zone effect. A questionnaire has been developed in this regard to collect the information from the farmers of both ZBNF and non-ZBNF or conventional farming.

The client will identify ZBNF clusters from each districts where the consultant will conduct the survey. A list of ZBNF practitioners will be provided to the consultant. The Non-ZBNF farmers, to be surveyed in the respective districts, have to be identified by the consultants during the survey. Farm level data—crops and cultivation stage (seed treatment, nursery development, land preparation, growing period, harvesting, post harvesting)—needs to be captured. The consultant needs to capture data on these aspects from both ZBNF and Non-ZBNF practitioners.

¹ Conventional farming and Non-ZBNF have been used interchangeably in the document and questionnaire

The crops to be considered for the survey are paddy, cotton, ground-nuts, maize and chillies. These details are to be captured for three land categories: small land size (<2.5 acres), medium land size (2.5 to 5 acres), and large size (>5 acres). The consultant will also capture data on two types of water sources: irrigated through open well/bore-well/river/canal vs. rain-fed. Both mono-crops (non ZBNF) and multi-crop (ZBNF & Non- ZBNF) practices needs to be captured during the survey.

Details of information to be collected, for both ZBNF and conventional farming, are provided in the **questionnaire**. The questionnaire needs to be filled based on responses from farmers in the select survey locations.

This Request for Quotation (RfQ) seeks quotations from suitable agencies for conducting surveys in the four districts mentioned above, as per following details.

3. Survey Scope and Details

Survey covers 4 districts, 2 irrigation types, 3 land sizes, 5 crops (mono/inter/multi-layer crops). Survey respondents/locations will be suggested by the client.

Survey	Farm level survey
Project	Impact assessment of Zero Budget Natural Farming in Andhra Pradesh
Locations	Anantapuramu, West Godavari, Prakasam and Vizianagaram
Duration	February 2019 to March 2019

The survey will be limited to only the district boundary limit. The survey has to be conducted as per the questionnaire. The questionnaire will be shared upon an Expression of Interest (EoI). The EoI can be sent via an email to purchase@cstep.in

Target group

Individual/Group Targeted: Farmers practising ZBNF and conventional farming practices in Anantapuramu, West Godavari, Prakasam and Vizianagaram districts in AP. Community groups (such as Self Help Groups (SHG) and village organisations) are to be interviewed to assess social aspects. The client may suggest interviews with other resource persons related to ZBNF and conventional farming.

District	Crops	Land size	Irrigation type	Samples	
Anantapuramu	1. Rice	1. Small	1. Canal/tube-wells/open-wells	50	
Prakasam	2. Cotton	2. Medium		2. Rain-fed	50
Vizianagaram	3. Groundnut	3. Large	2. Rain-fed		50
West Godavari	4. Maize				3. Large
	5. Chillies				
Total Samples				200	

2. Key Activities & Deliverables:

S.No	Activity list
1	Finalisation of the survey plan and survey team by the survey agency

2	Training the surveyors – orientation to the project, understanding of the survey questionnaire for conducting the survey
3	Data capture in the format approved and shared by the competent authority
4	Completed data sheets, raw data & cleaned data in excel form for every survey sample in the format prescribed by the client.
5	Quality check of the data
6	Generation of a data summary report