



CLIMATE INNOVATION CHALLENGE- MONTHLY PROGRESS UPDATE

Reporting Period (Month)	(Note: Kindly share the monthly update every 26th day of the Month) 20 December 2021 to 20 January 2022		
Grantee Name	Pro Nature Alliance R&D (Pvt) Ltd		
Project Title	Sustainable Agriculture Technology (SAT)		
<p>1. List the key activities undertaken during this month</p> <p>Key activities as per implementation plan is provided below:</p>			
#	Activity	Status	Explanation
1	Grant Agreement signing with CIC	Completed	Grant implementation started on 20 Dec 2021 and grant agreement was signed on 15 Jan 2022.
2	Mobilization of Core Team	Completed	Core team for undertaking the SAT trails by PNA has been mobilized and activities have been initiated.
3	Develop Methodology for Baseline Study including Survey Instruments	Completed	Baseline methodology and survey instruments have been developed, field tested and finalized. Submission in Output 1.
4	Finalize location of 1,000-acre total clusters in Sindh and Punjab	Completed	The PNA team had shortlisted seven locations and partner farmers in Punjab and Sindh before the initiation of the CIC grant. Upon initiation of the grant, the PNA field team visited these seven locations in Bhera, Rahimyar Khan, Bahawalpur, Muzafferghar and Sindh. The team evaluated the land and met with the potential partner farmers and their technical teams. Based on a criterion that included willingness to conduct the trial and the grant ending period of July 2022, five locations were finalized covering 1,000 acres in Sindh and Punjab.
5	Submission of Output 1- Inception Report based on activities completed to date	Ongoing	Output 1 is being completed and will be submitted on 31 Jan 2022.
6	Develop and sign contracts/ agreements with farmers for trials	Ongoing	After finalization of locations and partner farmers, the PNA team is in the process of completing negotiations with partner farmers and signing the agreement clearly outlining the roles of PNA and partner farmers for conducting the SAT trials.
7	Order to vendor and manufacturing of sets of SAT machines	Ongoing	RFQ has for procurement of 3 sets of the pneumatic precision planter for raised beds with mulchers has been developed with details specifications. The machinery specifications have been vetted by PARC/ NARC. The RFQ and other procurement details will be sent to CIC for approval. In the first stage, PNA will procure 3 pneumatic planters for our 3 partner farmers in Punjab. The remaining 2 planters for our partner farmers in Sindh will be procured by PNA through another RFQ at a later stage.

8	Rapid Baseline study of selected areas	Ongoing	Baseline study has been initiated. The PNA teams are in the field conducting the rapid baseline study. Baseline for 3 partners in Punjab has been completed and the Sindh baseline is in process.
9	Submission of Output 2- Interim Report	Ongoing	Deliverables for output 2 are in the process of being completed and will be submitted on or before 15 Feb 2022.
10	Field cropping activities		PNA field teams have already started work targeting the February sowing on our partners farms using the 2 sets of SAT that PNA already has. Training and plantation plans are being prepared and rolled out for each of our partner farmers.
11	Liaison with Partners Government organization PARC/ NARC	Ongoing	PNA team is in regular contact with the PARC/ NARC team. They were apprised of PNA being awarded the grant and they are providing technical backstopping and assistance when needed.

2. List the key beneficiaries /stakeholders consulted during this month

- The PNA team visited different progressive farmers in Muzafferghar, Rahimyar Khan, Bhawalpur and Bhera in Punjab and Thatta and Central Sindh to evaluate their land and potential of undertaking the SAT trails given the July 2022 grant ending period. From these farmers based in Punjab, three were finalized by the PNA field teams as partners for conducting the SAT trials, while two were finalized for Sindh.
- PNA team is in regular contact with our government support organization the PARC/ NARC regarding the SAT trials

3. Summarize key achievements and milestones of this month

- Finalization and signing of grant agreement
- Mobilization of PNA SAT trial team
- Commencement of activities for SAT trial
- Development of Methodology for baseline and survey instruments
- Finalization of location and partner farmers with which PNA will undertake the SAT trials in Punjab
- Development of RFQ for procurement of SAT machines
- Initiation of training and plantation plan for each partner farmer
- Continued engagement of PARC/ NARC team

4. List key issues to be resolved

None

5. Any additional issues (observations/learning in terms of the applicability, scalability and sustainability

None

Select Field Photos on the next page

Field Photos of Select Activities



Discussions with Partner Farmer from Bhera, Mr. Sajid Hassan who will be taking part in trial with over 100 acres



PNA team conducting baseline in Bhera



PNA team with technical team of partner farmer in Rahimyar Khan



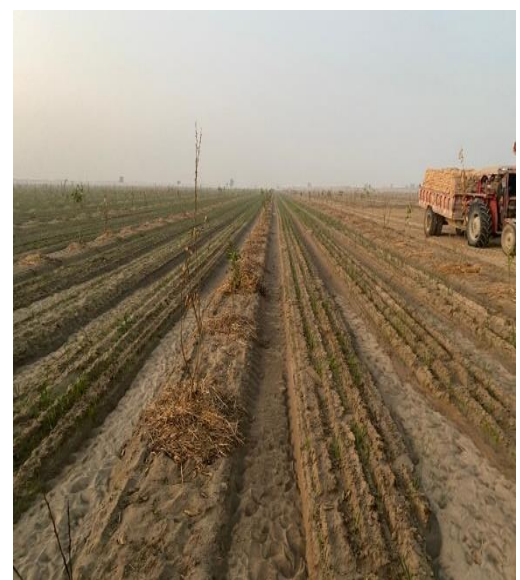
PNA team evaluating potential trial sites in Rahimyar Khan



PNA team conducting baseline in Muzafferghar



PNA team with technical team of partner farmer in Muzafferghar



PNA team evaluating potential trial sites in Muzafferghar