



Memorandum of Understanding

Between

Sona Welfare Foundation, a registered NPO having its office at 156, The Mall (Sona Tower) Rawalpindi. Sona Welfare Foundation post 2019 has initiated Food Security and Agriculture Center of Excellence Project which is working for the attainment of National Food Security and uplift of small/ medium farmers to be referred as SWF-FACE during the course of the MOU

And

Rural Education and Economic Development Society, a non-profitable, non-government and humanitarian organization, registered under the Registration Act of 1860 with the government of Pakistan having registered address as House No 1, Street No 1 Canal Park Rahim Yar Khan Pakistan. To be referred as REEDS during the course of this MOU

Scope of Cooperation

Both SWF-FACE and REEDS collectively pledge to collaborate with each other for common objectives including alleviation of National Food Security, Capacity Building and Technical Assistance to Small and Medium Farmers, Program aimed at Financial Empowerment of the Farmers and Provision of Social-Welfare Services for Vulnerable and Marginalized Communities.

Introduction to SWF FACE Program- Food Security and Agriculture Center of Excellence

SWF FACE as per its vision and objectives has established an all-inclusive FACE Center at Ahmedpur Lamma, Rahim Yar Khan which is extending following services to the small/ medium farmers and general populace in the proximity

Sustainable Agriculture Services

- a. State of the art agriculture assistance to farmers for Upscaling the agriculture means
- b. Introduction to high yield and high value crops
- c. Introduction to Climate Smart Agriculture with minimal environmental footprints
- d. Balance use of all chemicals and agriculture add-ons including fertilizers
- e. Training program for women in agriculture as agent of change with focus on small vegetation's, fruit orchards, livestock keeping, dairy processing etc
- f. Introduction to new technology for precision agriculture including aerial sprays drones for crop protection, seeds, fertilizer etc
- g. Extension of micro financing facility to halt exploitation through traditional lending faced by the farmers in rural areas

- h. Establishment of market linkages between the growers and reputed buyers locally, nationally and internationally
- i. Introduction of modern agriculture implements/ machinery for farmers training, awareness, disposal of crops and purchase through micro financing
- j. Provision of low cost rental machinery to upscale farming
- k. Provision of high yielding and certified seeds and crop varieties to upscale agriculture and per acer yield
- l. State of the art agri labs for water, soil, micro nutrition tests
- m. Environment conservation through promotion of renewable energy, bio gas plants, water conservation through drip irrigation etc.

Socio-Welfare services

- n. Quality education facilities including addressing the issue of Out of School Children
- o. Health facilities including telemedicine clinics, Mother and Child Healthcare, Vaccination drives, Awareness seminars and sessions on Hygiene etc
- p. Skill development and entrepreneurship trainings

REEDS Programs

REEDS is the implementing partner of Better Cotton Initiative (BCI) and Cotton Connect-UK for the capacity building of **117,235** cotton farmers and promotion of sustainable livelihoods, the details are under:

| Sr.# | District | Province | Donor/Partner | # of Farmers |
|--------------|------------------------------------|----------|--|----------------|
| 1 | Rahim Yar Khan (Tehsil Liaqatpur & | Punjab | Better Cotton Initiative-Switzerland's | 16,000 |
| 2 | District Vehari | Punjab | Better Cotton Initiative-Switzerland's | 42,280 |
| 3 | District Rajanpur | Punjab | Cotton Connect-UK | 12,600 |
| 4 | Rahim Yar Khan (Tehsil Khanpur) | Punjab | Cotton Connect-UK (Whitbread) | 1,600 |
| 5 | District Dadu | Sindh | Better Cotton Initiative-Switzerland's | 8,000 |
| 6 | District Jamshoro | Sindh | Better Cotton Initiative-Switzerland's | 11,500 |
| 7 | Ghotki | Sindh | Cotton Connect-UK (PRIMARK) | 25,255 |
| TOTAL | | | | 117,235 |





REEDS has also established 100 small Farmer Cooperatives (average 5 acres farmers) and initiated mobile farm advisory services. REEDS is one of the best Implementing Partner of BCI and the only IP of the Cotton Connect-UK in Pakistan for the implementation of PRIMARK Sustainable Cotton Project

Roles & Responsibility

Both organizations as per this MOU agree to work together under following ownership and role

SWF-FACE

- a. FACE Center at Rahim Yar Khan Ahmedpur Lamma region (Presently established at a rented setup with limited facilities) will be available to REEDS Sustainable Agriculture Program (SAFP) as a co-shared sister facility to undertake joint measures including capacity building, training and other agriculture related/ social welfare activities in the targeted region
- b. The facility of advance agri infrastructures extended to the program including water, soil, micro nutrition labs, R & D groundbreaking research's and services of agriculture experts will be co-shared with REEDS under the common vision of Food Security, Sustainable and Climate Smart Agriculture Practices in Pakistan

REEDS

- c. The training calendar devised for the center will be shared in advance with REEDS for making co-shared trainings more effective and ensure synergy (Tentative plan is attached as Annexure A)
- d. REEDS primary components of Sustainable Agriculture and Food Security including work on cotton (Better Cotton Initiative), sugarcane crops management projects, market linkages, water conservation techniques and measures through demonstration/ model fields, crop conversion for farmers from high intake crops to less demanding crops, renewable energy solutions etc. will be extended to SWF-FACE Center program as a co-shared partner facility
- e. Any other initiative in line with joint vision to be extended to the farmers registered at SWF-FACE Center
- f. REEDS will also enable linkages with likeminded partners under the joint vision of extending food security and climate smart agriculture into mainstream agriculture practices in Pakistan
- g. In future as SWF-FACE expands the impact of program to other regions of Pakistan, REEDS and SWF will continue to supplement each other efforts in achieving the common visions and objectives



Terms & Conditions

- The MoU based on mutual cooperation and understanding is valid for (03) years from the date of signing
- The MOU is being made in good faith of aiding the agriculture and farmers of Pakistan, not challengeable in a court of law
- Both organization i.e. SWF and REEDS are free to terminate the MoU with a prior notice of 30 days if desired
- In case of dispute, the parties will endeavor to settle the dispute amicably through mutual consultation

Based upon this agreed understanding, the MoU is signed hereby between SWF-FACE & REEDS represented by

Birg. Arshad Mahmood (Retd)
Chief Operating Officer, SWF

Shahid Saleem
CEO, REEDS

Dated 10th Month June 2020

Witness 1: Maliha Malik
Head of FACE

Witness 2: Zakia Malik
Program Manager (REEDS)

| Rural Education & Economic Development Society (REEDS) | | | | |
|---|---|-------------------|--|--|
| Tentative farmer capacity building plan on cotton production technology | | | | |
| Sr. # | Training Topics | Date | Methodology | MoV |
| 9 | Off season management of pink boll worm | 1st week of Dec. | Meeting opening, practical demonstration, use of pictorial charts for understanding and group discussion | Training reports, attendance, pictures |
| 10 | Importance of Compost & its preparation, Off season management of pink boll worm, | 3rd week of Dec. | Meeting opening, practical demonstration, use of pictorial charts for understanding and group discussion | Training reports, attendance, pictures |
| 11 | Off season management of pink boll worm, Registered and banned pesticides, Alternate use of pesticides, Pesticide storage and application precautions, First Aid if exposed with poison | 2nd week of Jan. | Meeting opening, practical demonstration, use of pictorial charts for understanding and group discussion | Training reports, attendance, pictures |
| 12 | Cotton diseases & its management | 2nd week of Feb. | Meeting opening, practical demonstration, use of pictorial charts for understanding and group discussion | Training reports, attendance, pictures |
| 13 | Rotavating of previous crop stubbles, Variety selection according to local environment and soil structure | 1st week of March | Meeting opening, practical demonstration, use of pictorial charts for understanding and group discussion | Training reports, attendance, pictures |
| 14 | Importance of crop rotation, Methods to improve the soil structure and texture | 3rd week of March | Meeting opening, practical demonstration, use of pictorial charts for understanding and group discussion | Training reports, attendance, pictures |

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Annexure - A

| Rural Education & Economic Development Society (REEDS) | | | | |
|---|---|-----------------------|--|--|
| Tentative farmer capacity building plan on cotton production technology | | | | |
| Sr. # | Training Topics | Date | Methodology | MoV |
| 1 | Selection of cotton varieties, seed germination test, Need of soil and water analysis & Process, Importance of crop rotation | 1st week of April | Meeting opening, Presentation, use of pictorial charts for understanding, Group discussion | Training reports, attendance, pictures |
| | Proper Land Management (improving the soil structure & texture, soil analysis) for cotton cultivation, Importance of organic matter and its use, Sowing time & sowing methods | 3rd week of April | | |
| 2 | Cleaning of water courses, Application of nutrients as per soil analysis report, Importance of trap crops, intercrops & border crops | 1st week of May | Meeting opening, Presentation, use of pictorial charts for understanding, Group discussion | Training reports, attendance, pictures |
| | Need of thinning and gap filling, Cotton weeds and its management, Method of weedicide application and precautionary measures | 3rd week of May | | |
| 3 | Integrated pest management (IPM) Process & Methods | 1st week of June | Meeting opening, Presentation, use of pictorial charts for understanding, Group discussion | Training reports, attendance, pictures |
| | Cotton insect pest management (Identification and management of sucking pest of cotton) | 3rd week of June | | |
| 4 | Identification of beneficial insect and preservation, Role of beneficial insects in natural cycle | 1st week of July | Meeting opening, Presentation, use of pictorial charts for understanding, Group discussion | Training reports, attendance, pictures |
| | Identification and management of chewing pest of cotton | 3rd week of July | | |
| 5 | Water management practices, Modern irrigation techniques for efficient use of irrigation water | 1st week of August | Meeting opening, Presentation, use of pictorial charts for understanding, Group discussion | Training reports, attendance, pictures |
| | Fertilizer Management (Application of micronutrients), Random and Calendar spray, Pesticide application & Precautionary measures | 3rd week of August | | |
| 6 | Cotton Ecosystem Analysis (CESA) | 1st week of September | Meeting opening, Presentation, use of pictorial charts for understanding, Group discussion | Training reports, attendance, pictures |
| | Contamination free cotton picking, storage, cotton procurement and marketing | 3rd week of September | | |
| 7 | Contamination free cotton picking, storage, cotton procurement and marketing | 1st week of October | Meeting opening, Presentation, use of pictorial charts for understanding, Group discussion | Training reports, attendance, pictures |
| | Importance cotton sale receipt, Selection of seed varieties for next cropping season | 3rd week of October | | |
| 8 | Crop rotation, Selection of seed varieties for next cropping season | 1st week of Nov. | Meeting opening, Presentation, use of pictorial charts for understanding, Group discussion | Training reports, attendance, pictures |
| | Importance of biodiversity and its role in environment sustainability | 3rd week of Nov. | | |

