

# MUHAMMAD AMEEN KERYO

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## ABOUT KERYO

Keryo is renowned wastewater expert, Pioneer of Pakistan;s first Constructed Wetland ( Reed Bed) system, environmentalist and devoted social worker.

Keryo is working with different national and International organizations and forums.

Keryo is working as a technical advisor for designing and construction of Biological wastewater Treatment system through Constructed Wetlands ( commonly known as Reed Bed System) in Pakistan and providing the technical support to different Governmental and non-Governmental organizations. He is also serving Expert Group Member for "Water and Wastewater Companies for Climate Mitigation" (WaCCliM) for Mexico, Peru and Thailand countries and also Global Steering Committee member of lFE (Initiative for Equality).

## PASSION

Keryo started working for humanitarian services from 16 years of my age and founded Sindhica Reforms Society (SRS) in year 1993. Founded Sindhica Reforms Society and resolved many challenging issues and faced life threats and hurdles of feudal system and continuing struggle for most vulnerable communities and grown up to SRS from small village to national level.

Remarkable Contribution for conservation of nature is pioneering of Biological wastewater treatment system first time in Pakistan and their successful replication in different parts of Pakistan. My mentor is Dr. Roshan Raj Shrestha, Deputy Director at Bill & Melinda Gates Foundation.

## PROFICIENCY

- Expert in designing, development and post development operation and maintenance of biological / Mechanical Sewerage Treatment Systems.
- Expert Environmental Solutions and Services.
- Expert Community based low cost sanitation systems and their management.
- Expert in organizing communities on specific issues and social rights.
- Expert in organizational development and substantial team management ,Community development and Networking, Coordination and Communication.

### **Country Coordinator - Pakistan**

FSM Alliance -Bill & Melinda Gates Foundation  
[\(https://fsm-alliance.org/\)](https://fsm-alliance.org/)

### **Regional Focal Person - South Asia Region**

Global Environment Facility- Civil Society  
Organizations (CSO) Network South Asia.  
<https://gefconetwork.org/#>

### **Solid Waste Consultant - CET**

Matiari to Lahore HVDC Transmission Line Project  
China Electric Power Equipment & Technology Co. Ltd  
<http://cpec.gov.pk/project-details/17>

### **Consultant- Reed Bed System**

Pakistan Navy  
<https://www.paknavy.gov.pk/cns.html>

### **Consultant- Reed Bed System**

Pakistan Military Engineering Services  
<https://www.mes.gov.pk/>

### **Director**

M/s Muhammad Ameen Keryo Environmental  
Services-MAKES (Pvt) Limited- Pakistan.  
<http://makespakistan.com/>

### **Pioneer & Expert**

Biological wastewater Treatment Systems in Pakistan  
<https://constructedwetland.co/>

### **Founder & Chairperson**

Sindhica Reforms Society (SRS) Pakistan  
<http://sindhicapk.org/>

## CURRENT ASSIGNMENTS

FROM	POSITION	ORGANIZATION / INSTITUTION	PROJECT / ASSIGNMENT
1-Jul-2021	Country Coordinator-Pakistan	The FSM Alliance	Innovative Sanitation Technology Market Condition Assessment in Asia-
1-Jan-2021	Consultant	Sofi Cit Islamabad	Design and Monitoring for Construction of Reed Bed biological wastewater treatment systems
1-Jun-2020	Consultant	SSST School Rashid Abad	Design and Monitoring for Construction of Reed Bed biological wastewater treatment systems
11-Oct-2019	CEO	Sindhica Reforms Society	Head of the Organization
1-Oct-2019	National Consultant	Mai Kolachi Constructed Wetland Karachi	Designing and Market Analysis for Cost Recovery of Maga Wetland Mai Kolachi.
1-Oct-2019	Consultant	Pakistan Navy Dockyard	Design and Monitoring for Construction of Reed Bed biological wastewater treatment systems in different areas of Pakistan.
1-Oct-2019	Consultant	Karachi Shipyard and Engineering Services	Design and Monitoring for Construction of Reed Bed biological wastewater treatment systems in different areas of Pakistan.
1-Oct-2019	Consultant	Indus Earth Trust	Design and Monitoring for Construction of Reed Bed biological wastewater treatment systems
1-Oct-2019	Consultant	Mazar e Qaid Management Committee Karachi	Design and Monitoring for Construction of Reed Bed biological wastewater treatment systems
1-Sep-2019	Consultant	Gardens of Fareer Hall Karachi	Design and Monitoring for Construction of Reed Bed biological wastewater treatment systems
28-Aug-2019	Advisor	Department of Chemistry, Government College Women University, Faisalabad.	Design and Monitoring for Construction of Reed Bed biological wastewater treatment systems
1-Jan-2019	National Consultant	Pakistan Military Engineering Services	Design and Monitoring for Construction of Reed Bed biological wastewater treatment systems in different areas of Pakistan.
1-Jun-2016	Consultant	Pakistan Navy	Reed Bed Project- JNB Ormara
1-Aug-2014	Consultant Reed Beds Systems	Headquarter Commander Karachi- Pakistan Navy	Design and Monitoring for Construction of Reed Bed biological wastewater treatment systems

## MY ACHIEVEMENTS

FROM	TO	POSITION	ORGANIZATION / INSTITUTION	PROJECT / ASSIGNMENT
11 October 2019	10 Oct 2019	Technical Advisor	Karachi Sab Ka - International Brands Limited	Design and Monitoring for Construction of Reed Bed biological wastewater treatment systems
1 August 2019	10 Oct 2019	Consultant	Alixer School System Karachi	Design and Monitoring for Construction of Reed Bed biological wastewater treatment systems
August 2018	10 Oct 2019	Technical Advisor- Green Initiative	International Brand Limited (IBL)	Support to develop and execute all program of Green Initiative regarding the conservation of the nature. Provide technical advice as well as expertise to Reed Bed biological wastewater treatment systems in designing and development and water management. Support in mass level plantation, raising Nurseries and management.
April 2018	July 2018	District Field Coordinator	Global Health Directorate - The Indus Hospital	Zindagi Mehfooz Program- EPI Sindh
Nov 2017	March 2018	District Field Coordinator	Interactive Research and Development Organization	Zindagi Mehfooz Program- EPI Sindh
May 2017	June 2017	Consultant	500B Solutions Nepal	Support In Evaluation of Small Scale System In Pakistan
April 2017	Sept 2017	Consultant	Engro Foundation	Reed Beds Systems in Dharaki
Jan 2017	June 2017	Consultant	Pak Air force	Reed Bed Project Shahbaz Jacobabad
June 2016	Dec 2016	Consultant	Pakistan Navy	Reed Bed Project- JNB Ormara
December 2015	Ongoing	Consultant	Mega Poultry Company Karachi	Reed Bed - Mega Poultry Malir Karachi
September 2015	December 2015	Consultant	Pakistan Army	Reed Bed - Bahawalpur Cantonment
December 2014	June 2015	Consultant	Karachi Metropolitan Corporation Pakistan Customs	Reed Bed- Aziz Bhatti Park Karachi
July 2014	Dec 2015	Consultant	Pathfinder International	Reproductive Health Project - Benazir Abad
August 2011	August 2012	Consultant	UN HABITAT Pakistan	Pakistan Settlement Flood Recovery Project PSFRP - Govt of Japan
July 2011	Dec 2011	Consultant	Engro Foundation	Reed Bed Rakh Ahsanpur Muzfargarh
Nov 2009	June 2010	Consultant	WWF Pakistan	Demonstration of Decentralized Wastewater Management System Focusing on Anaerobic System and Reed Bed- Sindh Government

Nov 2009	June 2010	Consultant	WWF Pakistan	Indus for All Programme- Royal Netherland Embassy- Pakistan
May 2008	June 2011	Team Leader	World Health Organization	Independent National Immunizations Post Campaign Monitoring For World Health Organization (WHO)
Jan 2008	Jan 2008	Campaign Support Person	World Health Organization	National Immunization days
Oct 2005	April 2008	Assist District Coordinator	The Asia Foundation	The Asia Foundation , GFATM Round 3 TB Project- Nawabshah
April 2008	27 November 2017	CEO - Sindhica Reforms Society	1. Promotion of Biological wastewater Treatment- Sitara Foundation USA 2. Up-Scaling Rural Sanitation through PATS Approach 3. Scaling-up Best Practices in Pakistan to Integrate Family Planning into Maternal, Neonatal and Child Health Services- Pathfinder International 4. Water Sanitation and Health- USAID 5. Acceleration of Education for Flood Effected Children- UNICEF 6. Capacity Building of Stakeholders for the Management, Operation & Maintenance of Reed Bed s- WWF Pakistan 7. Biological Waste Water Treatment through Reed Bed - Engro Polymer 8. Establishment of Pakistan's first Biological Wastewater treatment system Reed Bed - WWF- UN Habitat Water for Asian Cities Program. 9. Flush Latrine Project- European Union 10. Culverts Bridges Project 11. Hepatitis Screening, Vaccination, Health Education & Referral Campaign- Govt of Sindh 12. Community water Supply System- Khushhali Bank	

#### SHIELDS AND AWARD RECEIVED

- |                                 |  |
|---------------------------------|--|
| a) Appreciation Shield          | DC Shaheed Benazirabad                                   |
| b) Best Performance Certificate | DC District Dadu   |
| c) Crest                        | Commander Karachi Pakistan Navy                          |
| d) Crest                        | CSO to Comkar Pakistan Navy                              |
| e) Crest                        | The Commander Karachi Vice Admiral Pakistan Navy         |
| f) Special Award                | Country Representative Pakistan Pathfinder International |
| g) Special Award                | Country Representative Pakistan Pathfinder International |
| h) Indus Conservation Award     | Dr. Aijaz Ahmed- DDG WWF PAKISTAN                        |
| i) Certificate of Appreciation  | Ms Faryal Talpur- The Zila Nazim - Shaheed Benazirabad.  |
| j) Best Performance Shield      | Ms Faryal Talpur- The Zila Nazim - Shaheed Benazirabad.  |
| k) Best Performance Shield      | Mr. Nasir Panhwar- Manager Programme WWF Pakistan        |
| l) Certificate of Appreciation  | Mr. Usama Anwar- Site Manager WWFPakistan                |
| m) Best Performance Shield      | Country Representative The Asia Foundation               |
| n) Certificate of Performance   | Country Representative The Asia Foundation               |

## GROUPS / FORUM MEMBERSHIP

- i. GEF CSOs network
- ii. Global Water Partnership (GWP)
- iii. Water supply & Sanitation collaboration council (WSSCC)
- iv. Pakistan CSOs Coalition for Health and Immunization (PCCHI)
- v. Sustainable Sanitation Alliance (SuSanA)
- vi. Water integrity network
- vii. National Alliance for Climate Action (NACA)
- viii. Reed Beds association
- ix. End Water Poverty
- x. Freshwater Action Network South Asia (FANSA)
- xi. Water and Climate Coalition
- xii. Rural Water Supply Network (RWSN) - World Bank
- xiii. Stakeholder Forum International
- xiv. Caucasus Environmental NGO Network
- xv. International Alliance of Inhabitants
- xvi. Initiative for Equality (IfE)
- xvii. Youth for Human Rights International - South Asia
- xviii. Pai Forest Action Network ( PFAN).
- xix. District Coordination and Advisory Committee for PAi Forest (DCC) Indus for All programme
- xx. Polio Eradication Committee (PEC)
- xxi. Nawabshah Social Development Coalition (NSDC)
- xxii. NGOs Management Consortium (NDMC) Disaster

## NATIONAL / INTERNATIONAL TRAINING AND COURSES

Days	Name of Training	Organization / Resource person
6 days	International Engineer's Training on Decentralized Wastewater Treatment System (03 to 08 October 2010) at CHRDU Nagar Kot Nepal	Environment and Public Health Organization (ENPHO) Nepal Consortium for DEWATS Dissemination (CDD) Society Bangalore (India), Bremen Overseas Research and Development Association (BORDA) Germany, Central Human Resources Development Unit of Department of Water Supply and Sewerage (CHRDU/DWSS) Government of Nepal UN-HABITAT Water for Asian Cities Programme, South Asia.
30 days	Development and Construction of Reed Bed	One month under the supervision of international consultant/ instructor Dr. Shirish Singh the Wetland Expert and Mr. Narendra Man Dangol Construction Expert from UN HABITAT Nepal.
1 days	One Day Training on Reed Bed ;,	Orientation training and Technical Guidance on grounds by Dr. Roshan Raj Shrestha The Chief Technical Advisor UN HABITAT, Water for Asian Cities Programme, South Asia.
(5 Batches)	Independent Polio Campaign Monitoring Training	World Health Organization Sindh.
10 days	Training of Master Trainers (TOT) on Inter Active Community Dialogue	The Asia Foundation, under GFTAM R-3 TB Project
8 days	Interactive Communication Skills	The Asia Foundation, under Global Fund Round 03 TB Project
5 days	Training on Monitoring &	The Asia Foundation, under Global Fund Round 03 TB Project

	Evaluation	
10 days	Training on Interactive Community Dialogue Session	The Asia Foundation, under Global Fund Round 03 TB Project
4 days	Financial Management Training	TAMA , Islamabad
7 days	Project Planning & Management Training	Strengthening Participatory Organization (SPO) & European Union (EU)
3 days	Gender and Development Training	Strengthening Participatory Organization (SPO) & European Union (EU)
3 days	Financial Management Training (FMT)	Strengthening Participatory Organization (SPO) & European Union (EU)
18 Months course	Development Planning Management (DPM)	Strengthening Participatory Organization (SPO) & European Union (EU)
8 days	Environment Management Course	Strengthening Participatory Organization (SPO) & European Union (EU)
4 days	Live stock Management	Sindh Agriculture & Forestry Workers Organization (SAFWCO) )
3 days	Micro Enterprise trainings	Sindh Agriculture & Forestry Workers Organization (SAFWCO) )
2 days	School Management Training	Development Consultants (DEVCon)

### **ACADEMIC BACKGROUND**

1. Master of Sociology (Community Development)
2. Master of Science (Rural Development)
3. Master of Commerce ( Marketing)

### **CONFERENCES / INTERNATIONAL EVENTS**

1. **Cape Town South Africa** (Attended 05 Fecaul Sludge Management Conference at Cape Town South Africa 17-24 Feb 2019)
2. **Jordan** (Attended Global Environment Fund (GEF) Conference at Dead Sea Jordan 8-10 September 2015)
3. **Nepal** (South Asian Conference on Sanitation SACOSAN-V NEPAL (22-24 October 2013)

### **INTERNATIONAL EXPOSURE**

- Dead Sea ( Lowest point on the Earth)
- Mount Everst ( Highest point on the Earth)
- Chitwan National Park Nepal
- Bagh Mara community forest Nepal
- Bio Gas village Bachhauri 1- Badrahani Nepal
- Community Base elephant dung paper production enterprise Nepal
- Tikauli Biodiversity information centre Nepal
- Gharial crocodile Conservation farm Nepal
- Aquatic Turtle Species Conservation Farm Nepal
- Elephant breeding centre Nepal
- Orphan wildlife care center Nepal
- Shreekhandpur wastewater treatment plant Nepal
- Sunga wastewater treatment plant Nepal
- Hanuman Dokha Durbar Square – the world heritage site Nepal
- Dr. Roshan Shrestha's Eco home Nepal

- Mr. Bhushan Tuladars Eco home Nepal
- Central Human Resource Development Unit Govt of Nepal
- Vermi Composting Nepal
- Rain Water Harvesting Interventions Nepal
- Urine diversion dry latrines Nepal
- Urine Implication vegetable garden Nepal

**LANGUAGE & DEGREE OF PROFICIENCY**

- English Very Good
- Sindhi Native Language
- Urdu Second Native Language
- Siraiki Good ( Can speak and understand)
- Punjabi Good ( Can speak and understand)
- Hindi Fair ( Speak and Understand)

**HOBBIES**

- Listening Holly Quran
- Eco Tourism
- Photography
- Watching documentaries and History Channels
- Tree Plantation
- Playing with Children

**PERSONAL INFORMATION:**

Fathers name Khair Muhammad Keryo  
 Date of Birth 29-Apr-1977  
 CNIC No 45403-2798009-1  
 Pass Port No AA4940093 (22 JAN 2019 -21 JAN 2024)  
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REFERENCES	
Dr. Roshan Raj Shrestha Deputy Director at Bill & Melinda Gates Foundation Seattle, USA Mobile # 206 708 9467 roshan.shrestha@gatesfoundation.org	Major General Muhammad Tariq Halim Suri (Retired) Cell: 0321-7301919 0323-2797178 Email: tsuri.794@gmail.com