

PROPOSAL FOR SMART VILLAGE

POST-FLOOD REHABILITATION & REBUILDING PLAN

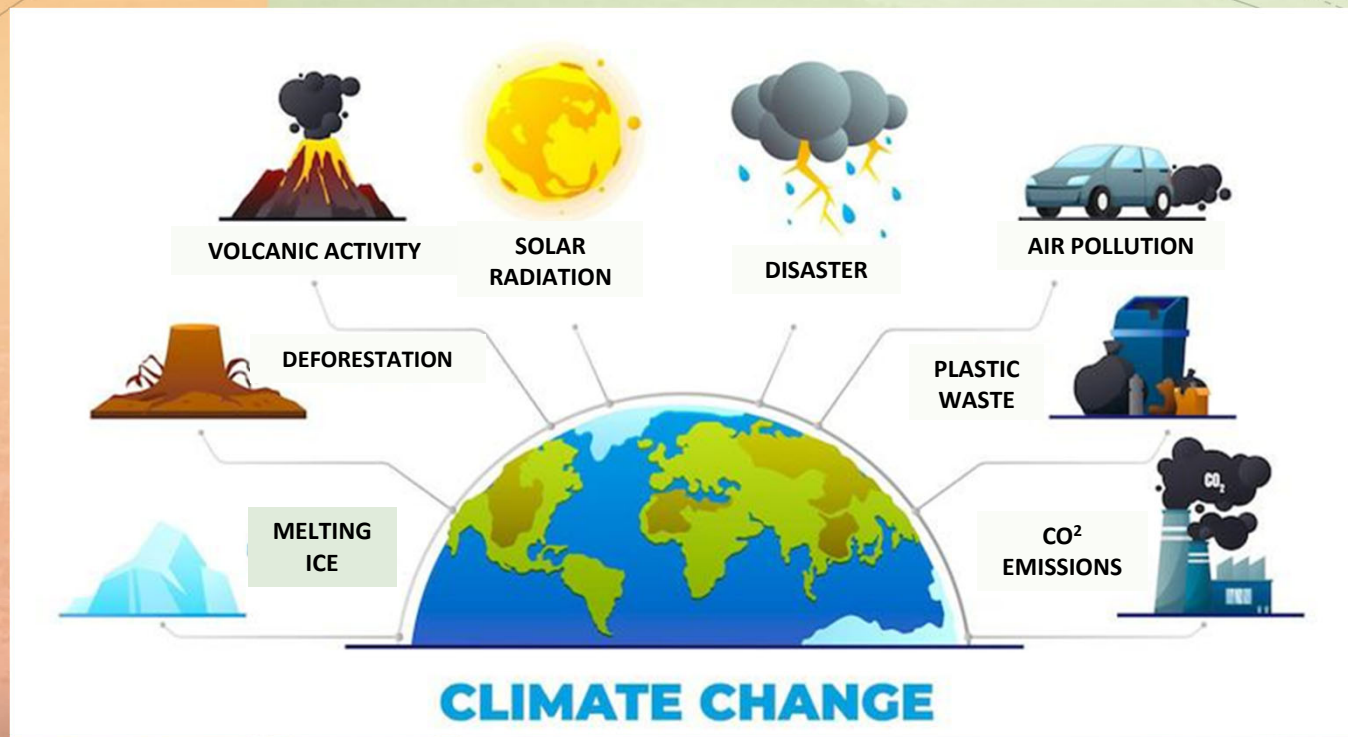


PAKISTAN FLOODS 2022

Since mid-June 2022, Pakistan has been drenched by extreme monsoon rains that have led to the country's worst flooding in a decade inundating one-third of the country in flood waters.



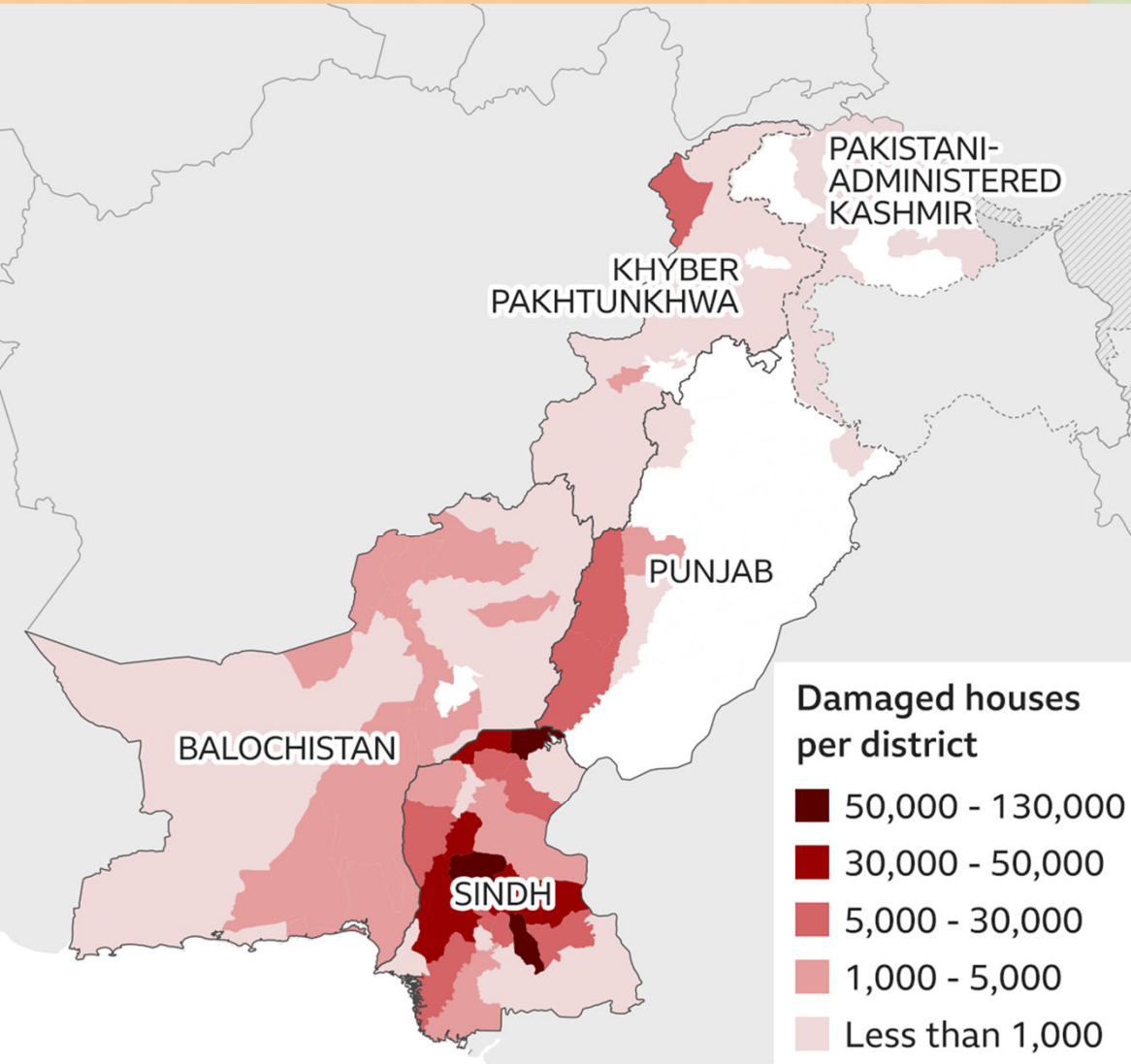
PAKISTAN – A VICTIM OF CLIMATE CHANGE



REASONS:

- Unprecedented heatwaves
- Record breaking rainfall
- Flash floods due to melting of glaciers

FLOOD IMPACT THROUGHOUT THE COUNTRY



THE FLOOD AFFECTEES BY THE NUMBERS



1693+

People Dead from flood in Pakistan 2022.



33 mil

More than 33 million is affected population



110+

Affected districts from flood



1600+

have been injured from flood since June



325,000

Houses have been destroyed since June



733,000

Houses have been damaged since June



735,000

Livestock lost from flood since June



2.5 m

2.5+ million Acres of crops affected



430+

Bridges have been destroyed since June



3,500 km

Roads have been destroyed since June

SOURCES:

1. National Disaster Management
2. Government of Pakistan
3. UN

ECONOMIC
LOSS

\$30bn+

With further economic disruption expected in
the months to come

DAMAGE DUE TO FLOODS



Roofs collapsed due to high winds



Damage due to flood depth & duration



Minor cracks on walls made of concrete & brick



DAMAGE DUE TO FLOODS



Stone walls
collapsed

Mud walls
destroyed due to
flood duration



Damage to mud/
brick wall

Brick walls
destroyed





CHALLENGES

- Restoring lives and livelihoods
- More resilient to future disasters



OPPORTUNITIES

- Transform the communities through appropriate sustainable actions (socially, culturally, economically, and/or ecologically)
- Become a practical example for environmental sustainability & climate change
- Influence others for urgent actions to combat climate change and its impact.



VISION

“Building a sustainable setting for the flood impacted community where the built environment is responsive to climate change, create more resources than it consumes and elevate the standard of community living with major focus on social, economical and infrastructural development.”



ROTARY'S ROADMAP FOR RECOVERY IN PAKISTAN

TIME TO GO FOR
“SUSTAINABLE VILLAGES”

We need to change our way of life

FROM
EGO



TO
ECO

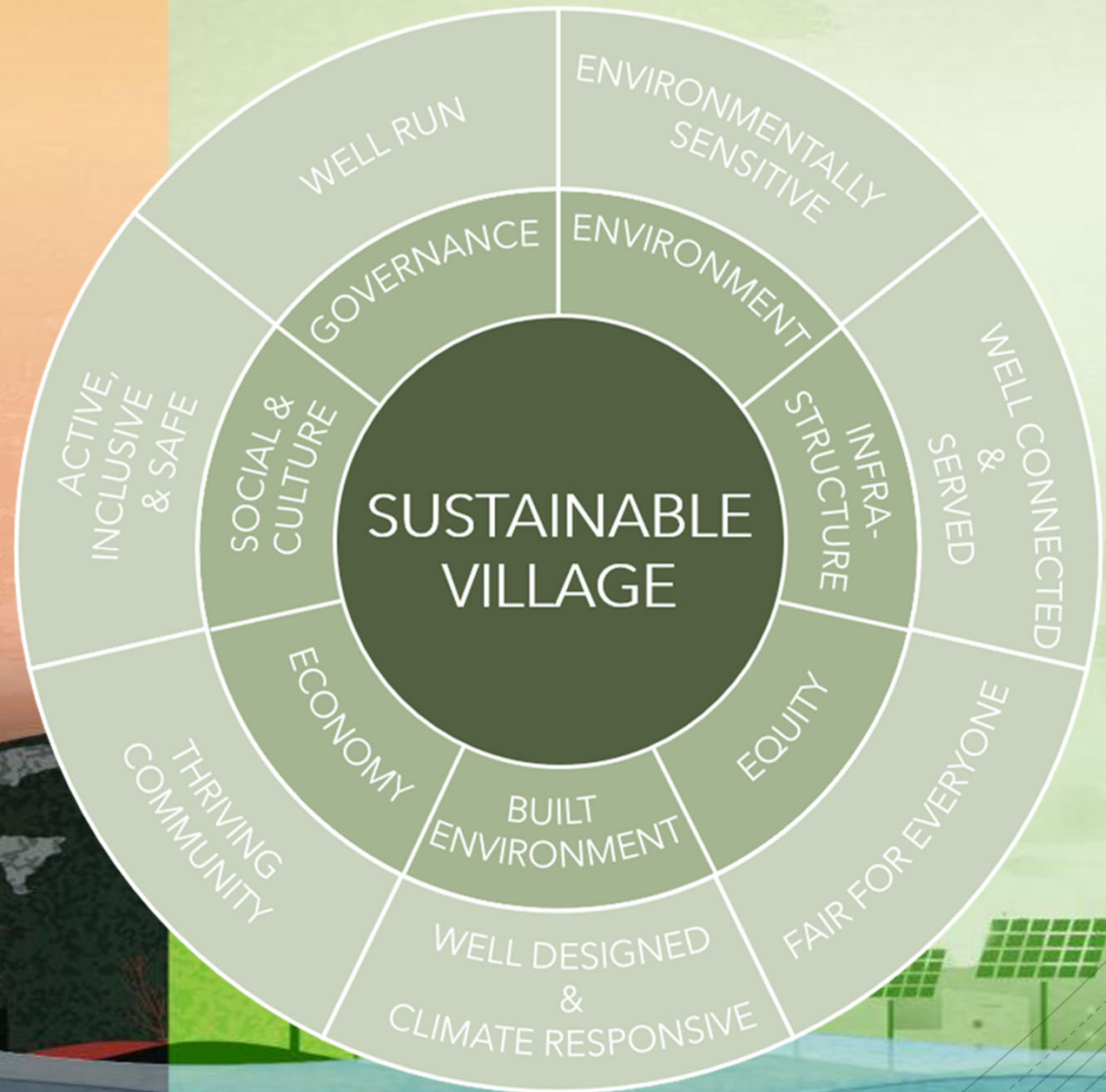




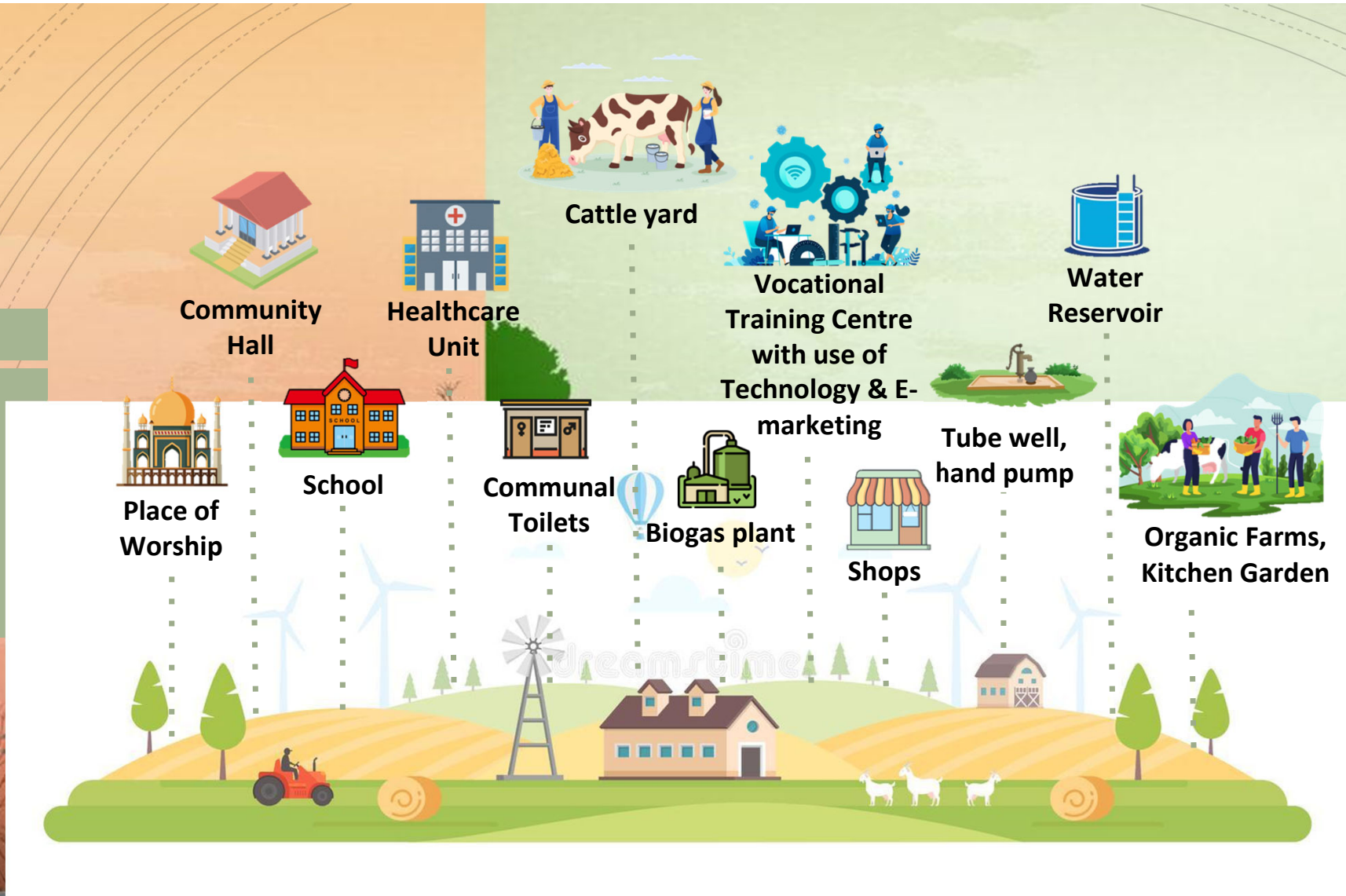
SUSTAINABLE VILLAGE

Sustainable village also known as Eco-village, is a community with the goal of becoming more socially, culturally, economically, and/or ecologically sustainable.

DOMAINS FOR DEVELOPMENT



AMENITIES FOR SUSTAINABLE VILLAGE



OPTION 01

PROPOSED VILLAGE LAYOUT

- 1 HOUSING UNITS
- 2 COMMUNITY HALL
VOCATIONAL TRAINING CENTER
- 3 MOSQUE/TEMPLE
- 4 SCHOOL
- 5 SHOPS
- 6 BHU (MOTHER & CHILD CARE CENTER)
- 7 SHARED SITTING SPACES
- 8 COMMUNITY TOILETS
- 9 POND WITH REED BED
- 10 CANAL
- 11 TUBEWELL & FILTRATION PLANT
- 12 PARK
- 13 WIND TURBINES
- 14 CATTLE YARD
- 15 BIO GAS PLANT



OPTION 02

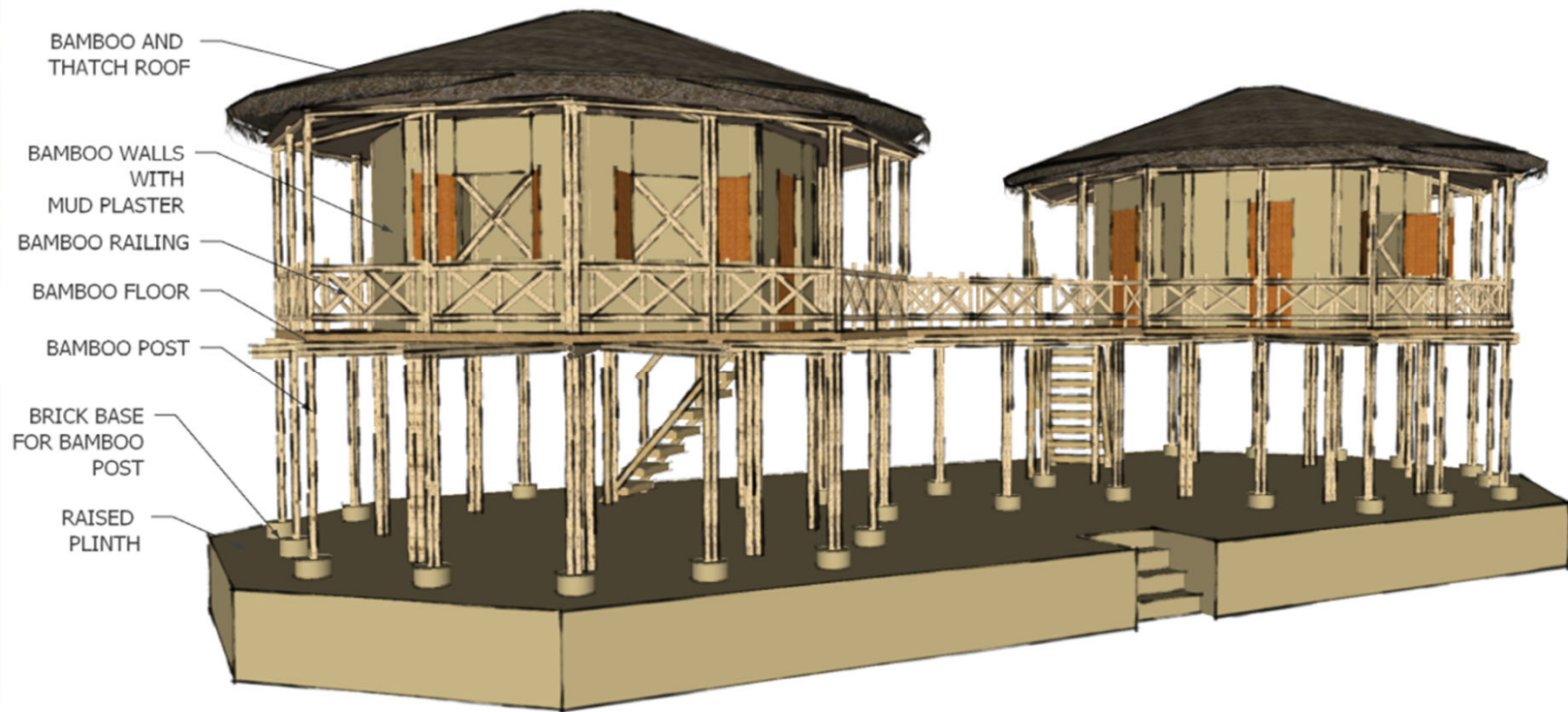
Cluster of residential units and communal areas planned around a pond and kitchen garden area in center

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- 12 PARK
- 13 WIND TURBINES
- 14 CATTLE YAF
- 15 BIO GAS PL
- 16 KITCHEN G.
- 17 BRIDGE
- 18 CHECK DAM



COMMUNITY HALL & VOCATIONAL TRAINING CENTER



Community center with raised platform and two segregated halls on upper floor for male and female

Foundation: Brick perimeter wall with stabilized earth infill

Walls: Bamboo framing with mud plaster

Roof: Bamboo and thatch

Construction cost: PKR 160,000/-

SCHOOL

As Basic Education and Literacy is one of Rotary's six area of focus, initially a one room school will be constructed providing primary level education to children which will eventually be essential in reducing poverty, improving health and encouraging community and economic development.



MOTHER & CHILD CARE CENTER

A Basic Healthcare Unit with Maternal and Childcare center will be developed with high-quality healthcare available to vulnerable mothers and children so that they can grow stronger and have a healthy future.





PROJECT IMPLEMENTATION PROGRAMME

OUR PROSPECTIVE PARTNERS



PROJECT COST

Investing major portion of the funds on **infrastructural** and **socio-economic development** of the community while keeping the expenses on housing unit minimum. Villagers will be encouraged to put in efforts on their economic development to improve their housing conditions in future

USD 150,000



20%

Single room
housing unit



40%

Civil
infrastructure



40%

Socio-
economic
development



INTEREST-FREE MICROCREDITS

- Project plan includes microfinancing as well. Access to microcredit has a positive impact on all three dimensions of sustainable rural development; social, economic, and environmental.
- Interest-free microcredit helps in the alleviation of poverty, employment, entrepreneurship, higher productivity from agriculture, women empowerment, gender equality, reduced rural outmigration, better health and education, green entrepreneurship, and adoption of modern technology/inputs in agriculture.



EFFORTS TOWARDS GENDER NEUTRALITY

WOMEN EMPOWERMENT



IMPACT OF FLOODS ON WOMEN

- Women and children are more vulnerable to disasters than men due to the conditions that predispose them to severe disaster impacts due to;
 - lack of education and information
 - limited access to resources
 - economic conditions
 - cultural issues.



“WOMENOMICS”

**WOMEN
IN
ECONOMICS**

66%

WOMEN WORK FORCE IN RURAL AREAS



Cultivation



Cattle farming



Handicraft

“WOMENOMICS”

**WOMEN
IN
ECONOMICS**

**Women's
Economic
Empowerment**



**Access
to income
and assets**

**Control of and
benefit from
economic
gains**

**Power to
make
decisions**



VOCATIONAL SKILL DEVELOPMENT



- Vocational training centres will be established to equip the young girls with their inherent skills that will help them become economically stable to earn their livelihood.
- It will also help them develop entrepreneurship skills with introduction to technology as a medium for business growth.



Project plans to:

- Establish skill based training programs such as stitching, embroidery, toy making, show pieces, fashion designs, handmade bags, other handicraft items etc.
- Skill development of small business running and marketing
- Interest-free microcredit schemes targeted at women
- Property ownerships will be given to women so as to empower them economically



LONG-TERM IMPACT

- Massive impact on their re-growth, returning to normalcy and building resiliency after the catastrophic flood.
- Community will be self-supportive and self-reliant, they will have earning power and skills for development.
- Status of women will rise and there will be positive social change for them.
- All income generation activities would be eco-friendly and sustainable.
- Children of these villages would enjoy better education, health and overall development leading to better future prospects.

SMART VILLAGE # 1



Rotary
Pakistan



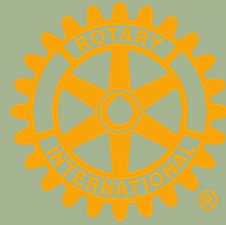
Religions for Peace
PAKISTAN



SMART VILLAGE # 2



Rotary
Pakistan



Religions for Peace 
PAKISTAN

THANK YOU