

Project Title:	Hydropower for 900 Mountain Villagers in Pakistan								
Name of Recipient:	Hashoo Foundation, Islamabad, Pakistan								
Component No:	Component Name	Sub-Head	Activity/Description	Unit	Unit Cost	Quantity	Total in PKR	Total in USD	
1	Hardware/Equipment	1.1	Baby (Mirco-hydel) Generators	Generator	1000000	3	3000000	18691.59	
		1.2	Wires and associated fittings	Lump Sum	Lump Sum	1	94,000	585.67	
		Component Sub-Total						3094000	19277.26
2	Construction of Shed	2.1	Concrete blocks	1 Foot Block	30	1000	30000	186.92	
		2.2	Cement	Bag	650	14	9100	56.70	
		2.3	Sand	Small carrier	2500	1	2500	15.58	
		2.4	Corrugated Iron Sheets	Sq. Ft	200	80	16000	99.69	
		Component Sub-Total						57600	358.88
3	Transport of Hardware/Equipment	3.1	Transport charges of Generators	Per Generator	7000	3	21000	130.84	
Component Sub-Total							21000	130.84	
4	Labor and Installation	4.1	Generators Installation Cost	Per Generator	9000	3	27000	168.22	
		4.2	Labor Cost of Construction of Shed	Per Labor	600	9	5400	33.64	
		Component Sub-Total						32400	201.87
5	Training	4.1	Trainer Cost	Per Day	7500	3	22500	140.19	
		4.2	Training Day catering and stationary	Per Person	1000	15	15000	93.46	
		Component Sub-Total						37500	233.64
6	Travel and Logistics	6.1	Travel and hotel stay for experts and program staff	Lump Sum	Lump Sum	1	100000	623.05	
		Component Sub-Total						100000	623.05
Components Total							3342500	20825.55	
7	HF Program Overheads	7.1	Program Cost including overheads and Time Cost	9% of Total Cost	9%	3342500	300825	1874.30	
Total Project Cost							3643325	22699.84	

Enabling Communities through 'Sustainable Methods and Resilient Technologies' (SMaRT) Village Pilot in Gilgit-Baltistan.

Gurunjor Village

Issues



- Chronic water stress and seasonal water shortage



- Seasonal shift, rising temperatures, and unpredictable rainfall
- Area prone to flash-floods
- Air pollution
- High rate of deforestation



- Outdated farming techniques
- Low per acre farm productivity
- Unutilized agricultural land & poor soil quality
- Poor quality and low yielding seed varieties
- Limited knowledge of commercial farming



- Electricity shortage because the village is off-grid and is considered neglected
- Felling trees for domestic consumption

HF Solutions



- Water filtration plants;
- Water efficient farming techniques (drip irrigation, rain-water harvesting etc.);
- Solar water heaters and fruit dryers;
- Water storage – channels, reservoir, and tanks.



- Risk management systems;
- Risk transfer mechanism and insurance solutions;
- Tree plantation.



- Kitchen Gardening and seed banks
- Climate resilient value chains
- Agro-forestry: bee farming, kiwi farming fruit trees
- Livestock rearing: provision of clean water and nutritious fodder
- Forestry: afforestation and reforestation;
- Waste tumblers.



- Renewable energy systems;
- Solar panels;
- Biogas.

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- High levels of fruit wastage and limited knowledge of techniques to reduce it
- Lack of skill training institutes and low levels market-relevant skills
- Limited access to markets



- Limited access to and low levels of education



- Poor health and nutrition
- Off-grid and neglected area with limited access to health facilities



- Women are not included in the decision-making process

HF Solutions



- Value-chain development;
- High value horticulture; Medicinal plants;
- Non-Timbre Forest Products (NTFP);
- Jewelry making;
- Eco-tourism.



- HF Early Childhood Development (ECD) Model will be established;
- Training and Capacity building of community members and relevant stakeholders through the ECD program.



- Awareness-raising and capacity building on health and nutrition
- Ambulance and dispensary service provided

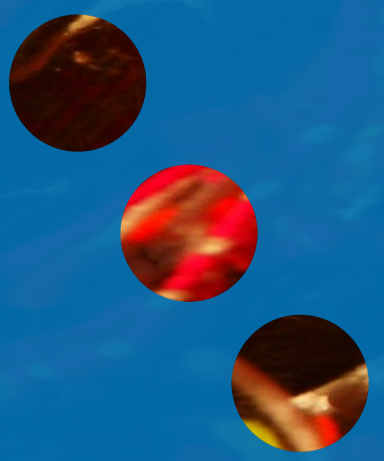


- Women organizations formed



Hashoo Foundation

February 22, 2019

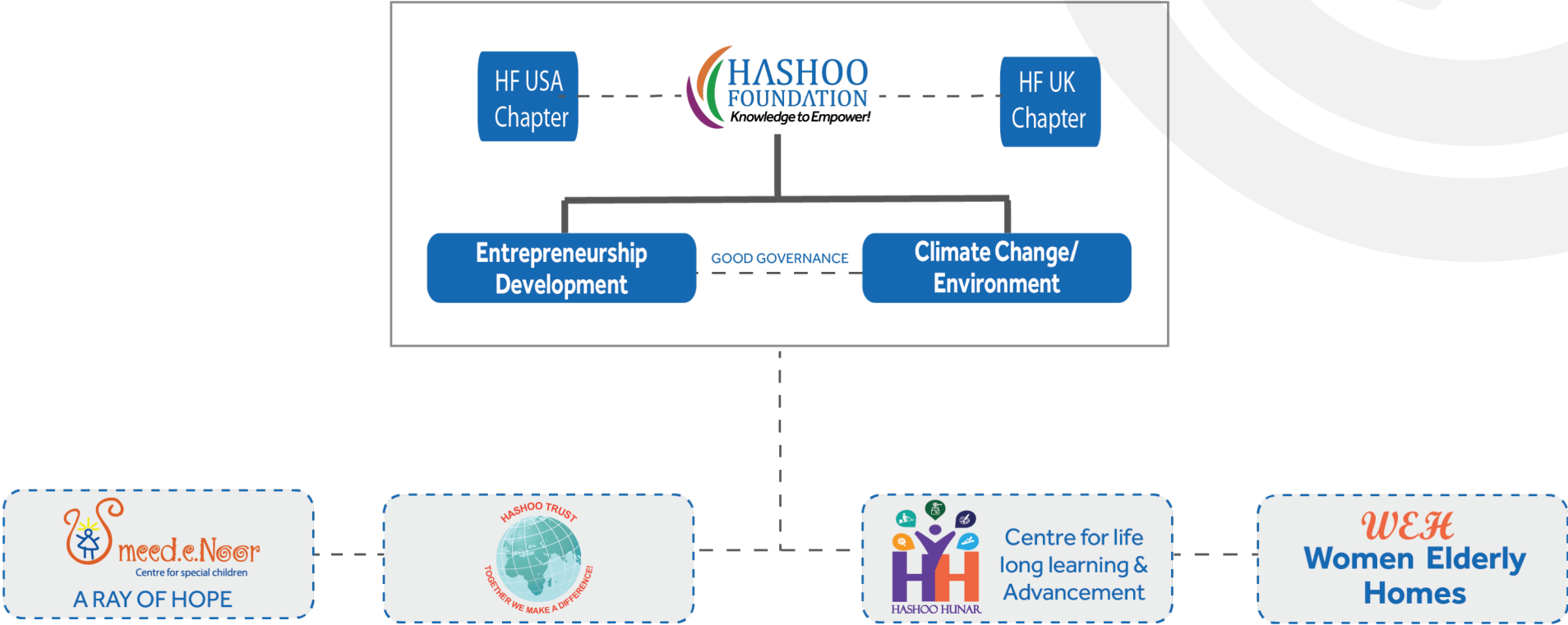




“We leverage knowledge to facilitate the socio-economic transformation of people and communities”

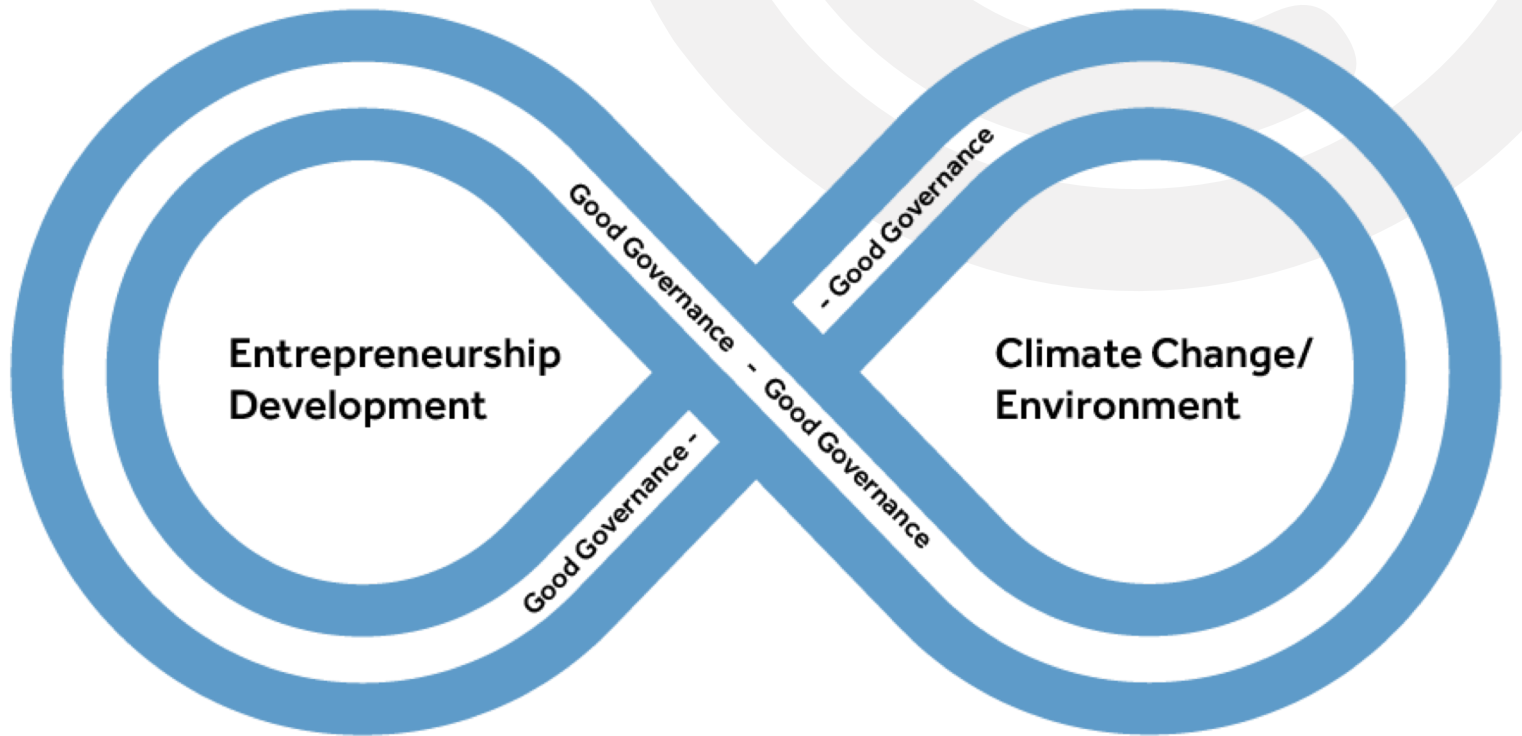


HASHOO FOUNDATION ORGANIZATIONAL STRUCTURE



HASHOO FOUNDATION CORE THEMATIC AREAS

- Entrepreneurship Development
- Climate Change/Environment
- Good Governance (cross cutting)



HASHOO FOUNDATION FOOTPRINT

Gilgit-Baltistan

- | | |
|-------------|---------------------|
| 1. Gilgit | 24. Kasur |
| 2. Ghizer | 25. Khanewal |
| 3. Skardu | 26. Khushab |
| 4. Ghanche | 27. Lahore |
| 5. Astore | 28. Layyah |
| 6. Diamar | 29. Lodhran |
| 7. Hunza | 30. Mandi Bahauddin |
| 8. Kharmang | 31. Mianwali |
| 9. Shigar | 32. Multan |
| 10. Nagar | 33. Muzaffargarh |

Punjab

- | | |
|---------------------|--------------------|
| 11. Attock | 34. Narowal |
| 12. Bahawalnagar | 35. Nankana Sahib |
| 13. Bahawalpur | 36. Okara |
| 14. Bhakkar | 37. Pakpattan |
| 15. Chakwal | 38. Rahim Yar Khan |
| 16. Chiniot | 39. Rajanpur |
| 17. Dera Ghazi Khan | 40. Rawalpindi |
| 18. Faisalabad | 41. Sahiwal |
| 19. Gujranwala | 42. Sargodha |
| 20. Gujrat | 43. Sheikhupura |
| 21. Hafizabad | 44. Sialkot |
| 22. Jhang | 45. Toba Tek Singh |
| 23. Jhelum | 46. Vehari |

Khyber Pakhtunkhwa

- | |
|---------------|
| 47. Battagram |
| 48. Buner |
| 49. Charsadda |
| 50. Chitral |
| 51. Kohat |
| 52. Lower Dir |
| 53. Malakand |
| 54. Mansehra |
| 55. Mardan |
| 56. Nowshera |
| 57. Peshawar |
| 58. Shangla |
| 59. Swabi |
| 60. Swat |
| 61. Upper Dir |

Balochistan

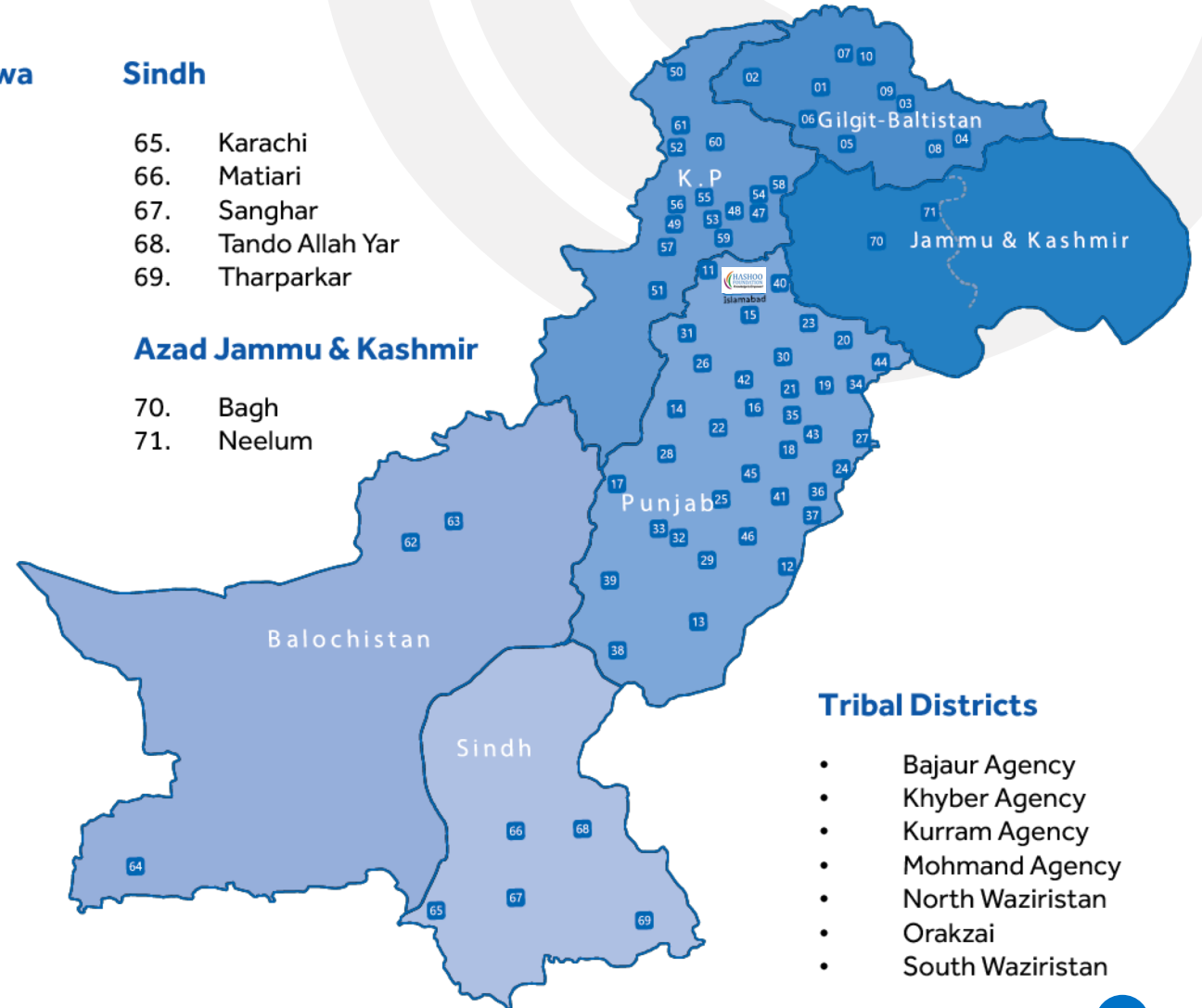
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| 62. Quetta |
| 63. Ziarat |
| 64. Gwadar |

Sindh

- | |
|---------------------|
| 65. Karachi |
| 66. Matiari |
| 67. Sanghar |
| 68. Tando Allah Yar |
| 69. Tharparkar |

Azad Jammu & Kashmir

- | |
|------------|
| 70. Bagh |
| 71. Neelum |



Tribal Districts

- Bajaur Agency
- Khyber Agency
- Kurram Agency
- Mohmand Agency
- North Waziristan
- Orakzai
- South Waziristan



SMaRT VILLAGE

SMaRT Village

ENABLING RURAL DEVELOPMENT
THROUGH 'SUSTAINABLE METHODS
AND RESILIENT TECHNOLOGIES'
(SMaRT) VILLAGE PILOT IN GILGIT-
BALTISTAN.

MONDAY 01ST JANUARY, 2019



SMaRT Village - Sustainable Methods and Resilient Technologies

Gurunjor, Ghizer, Gilgit Baltistan

Objective: Strengthen local institutions for improve access to basic services and economic opportunities through for communities.

Hypothesis: The use of low carbon and low-cost technologies and strategies help bring economic benefit and sustainable development at village and regional levels.

Donor: Hashoo Group Hotels

Number of Beneficiaries: 2,000

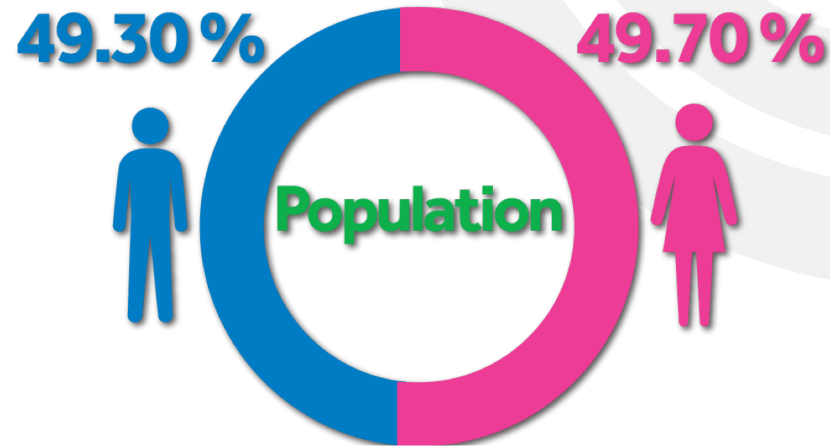
Outputs:

- Water efficient farming techniques
- Solar water heaters and fruit dryers;
- Water storage – channels, reservoir, and tanks;
- Renewable energy systems;
- Kitchen Gardening and seed banks;
- Climate resilient value chains (crops and livestock);
- Cropping calendars.
- Solid Waste management: Waste tumblers.
- HF Early Childhood Development (ECD) Model established;
- Training and Capacity building of community members
- High value horticulture; Medicinal plants;
- Non-Timbre Forest Products (NTFP);
- Eco-tourism.



Gurunjor Village Baseline Data

Hashoo
Foundation



Education levels of the village dwellers (Baseline Survey conducted by Hashoo Foundation)



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Gurunjor, Ghizer, Gilgit Baltistan





SMaRT VILLAGE

THANK YOU