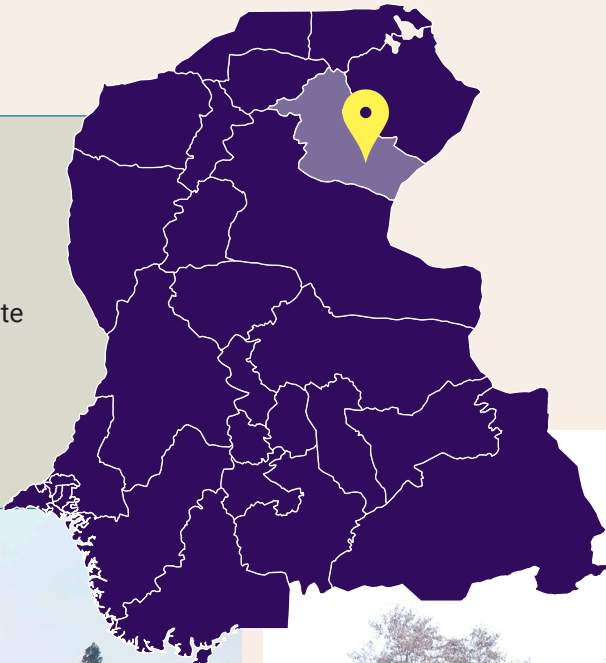
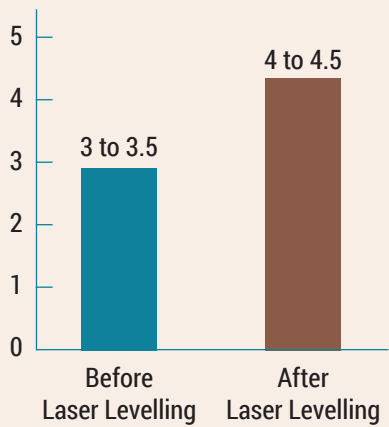


District .....**GHOTKI**  
Province.....Sindh  
Population .....1.772 Million  
Climate.....Subtropical Desert Climate  
Altitude .....71 m above sea level  
Average annual rainfall .....203 mm  
Temperature range.....23.4<sup>o</sup> C to 34<sup>o</sup> C



**Farmer’s Experience**  
**(Village: Jan Muhammad Society, Tehsil: Khangarah)**  
The practice was in place historically using bullock-drawn levelers, later replaced by tractor-mounted blades improving crop yield. Laser land levelling technique was introduced in Sukkur 10 – 12 years ago and demonstrated superior results. Laser levelled lands are used to grow wheat and sugarcane, with vegetables and orchards as additional cultivation. Farmers noted 50% water savings and a 20-25% increase in crop yield. Farmers also noted that the fields leveled under conventional levelling system required 5 – 6 hours to irrigate one-acre (0.4 ha) whereas, the laser leveled fields are irrigated within 1.5 hours with the same discharge in the watercourse.

Wheat Yield Output (tonnes /ha)



Irrigation of One Acre (hours)

