

## Infrastructure facility at Regional Rice Research Station, Vyara-Tapi

❖ <b>Total farm area</b>	27.81 ha
➤ Farm area under cultivation	21.41 ha
➤ Road and Building	6.40 ha
➤ Office	
➤ Rest house	
➤ Godowns	
➤ Staff quarters	
➤ Seed processing unit	
➤ Rainout shelters (Drought screening)	
➤ Meteorology observatory	
➤ Pathology laboratory and Grain quality testing laboratory	

❖ <b>Plant physiology Instruments</b>	<b>Remarks</b>
➤ Infra-Red Gas Analyzer (IRGA)	For measurement of photosynthesis rate, stomatal conductance and other physiological traits
➤ Root scanner with winrizo pro software	To study root traits
➤ Plant efficiency analyzer Handy pee	To measure Chlorophyll florescence,
➤ Mini-PAM II	To measure Chlorophyll florescence, non-photo quenching, photo quenching
➤ Water potential System, ➤ Psypro WESCOR	To measure leaf water potential
➤ Tensiometer	Soil moisture tension
➤ Deep freeze (-20 c)	Germplasm storage
➤ Thermal imager IR camera	Canopy temperature measurement
➤ Leaf area meter	Leaf area measurement
➤ SPAD meter	Chlorophyll content
➤ Microscope	Pathological work and organism characterization
➤ Prostrate tester	Culm strength measurement
➤ Soil moisture meter (Thita probe)	Soil moisture content
➤ Nitrogen auto analyzer	Quality parameter analysis