

Table S3: First-stage CRE-probit equations for determinants of household's use of infrastructure (Stage 1 of the Control function approach)

VARIABLES	Irrigation_facilities	Storage_facilities
Sex_HHH	-0.0496** (0.0233)	-0.0043* (0.0025)
Age_HHH	-0.0020** (0.0009)	-0.0197* (0.0010)
Education_HHH	-0.0182*** (0.0069)	-0.0086** (0.0039)
Labour use	0.142*** (0.0537)	0.197*** (0.0570)
TLU	0.0258 (0.0229)	0.0311 (0.0253)
FBO membership status	-0.553*** (0.150)	-0.174** (0.0691)
Asset_index	-0.0661*** (0.0143)	-0.0122 (0.0577)
Dep_ratio	-0.0444 (0.0617)	0.0777 (0.0660)
Plot_size	0.0388*** (0.0130)	-0.134* (0.0689)
Contract farming	0.0288 (0.0589)	0.0661 (0.0624)
Credit	0.0940*** (0.0120)	-0.0170* (0.0098)
Tenure security	-0.0482** (0.0198)	-0.0258 (0.0310)
Extension advice	0.0224* (0.0133)	-0.0978* (0.0568)
Losess	-0.0120*** (0.00240)	-0.0099*** (0.0025)
Modern_grain_stores		-1.109*** (0.0567)
Food_storage_org		0.487*** (0.0544)
Associations_HH_manage	-0.249*** (0.0571)	
Supravillage_organisations	0.248*** (0.0726)	
Knowledge_irrigation	1.353*** (0.0654)	
Constant	1.211*** (0.101)	1.177*** (0.146)
Joint significance of instrumental variables	112.41 [0.0000]	13.89 [0.0002]
Joint significance of mean of plot varying covariates	90.33 [0.0315]	101.89 [0.0031]
Joint significance of country dummy variables	835.07 [0.0000]	1211.44 [0.0000]
Observations	2,548	2,548

Standard errors in parentheses

*** p<0.01, ** p<0.05, * p<0.1.

