

Appendix 5 GPS Data

ENGINEERS WITHOUT BORDERS
LOS ANGELES, SAN FRANCISCO,
MINNEAPOLIS PROFESSIONAL CHAPTERS

PRAKASAM DISTRICT, ANDHRA PRADESH STATE Site Assessment Trip - GPS Data

Kothapatnam (M); South Palli Palem (V)

Description	N	E	note
spigot	15d26.353'	080d10.705'	connected to tank
open well	15d26.350'	080d10.714'	salt water contamination
open well	15d26.330'	080d10.753'	30' deep
open well	15d26.320'	080d10.663'	salt water contamination
open well	15d26.296'	080d10.706'	salt water contamination
hand pump (w/ motor)	15d26.316'	080d10.720'	pic
hand pump	15d26.289'	080d10.728'	constructed since tsunami
open well	15d26.326'	080d10.720'	40' deep

wells have floating debris, sediment level varies from a perceived .25' to over 2'.
all wells complained to have "sour" taste, force women to go outside village to pump to get potable water (0.5km distance)
soil is extremely porous, sandy. Villagers claim rains soak right into the ground. Topo is relatively flat.

Ulavapadu (M), Sriram Pattapu Palem (V)

Description	N	E	note
pump (w/ motor)	15d07.481'	080d02.356'	
pump	15d07.493'	080d02.360'	
pump (w/ motor)	15d07.490'	080d02.376'	
bored well (since tsunami)	15d07.510'	080d02.368'	dried up or no water
filled in well	15d07.514'	080d02.370'	
solar panel (private)	15d07.543'	080d02.359'	

Ulavapadu (M) Chakicharia China Pattapu Palem (V)

Description	N	E	note
pump	15d06.682'	080d02.717'	
pump (w/ motor)	15d06.683'	080d02.735'	
pump (w/ motor)	15d06.732'	080d02.721'	
garbage (edge of village)	15d06.747'	080d02.727'	
pump (from gov)	15d06.705'	080d02.686'	

Ulavapadu (M), Chakicherla Chinna Palle Palem

Description	N	E	note
well	15d05.633'	080d02.557'	
buckingham canal	15d05.634'	080d02.664'	at village road
well	15d05.601'	080d02.542'	
pump	15d05.602'	080d02.533'	
latrine (not used)	15d05.601'	080d02.524'	
pump	15d05.604'	080d02.554'	

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Ethamukkala Pale Palem			
Description	N	E	note
pump (next to well)	15d22.919'	080d07.762'	
pump (living water)	15d22.879'	080d07.745'	
open well (tested water)	15d22.865'	080d07.745'	
latrine (AWARE)	15d22.859'	080d07.753'	not in use
pump	15d22.876'	080d07.741'	
latrine (AWARE)	15d22.880'	080d07.736'	not in use
latrine	15d22.904'	080d07.779'	
open well	15d22.890'	080d07.779'	
Ethaq Mukkala Village			
No Site Assessment - Just Visited			
Description	N	E	note
village location	15d22.333'	080d07.390'	
Kothapatnam (M) Madanur Pedda Pattapu Palem (V)			
Description	N	E	note
open well	15d21.372'	080d06.809'	salty
tank	15d21.358'	080d06.801'	
open well	15d21.348'	080d06.801'	salty
tank	15d21.314'	080d06.776'	
open well	15d21.274'	080d06.760'	
open well	15d21.324'	080d06.793'	
open well	15d21.359'	080d06.821'	
tank	15d21.381'	080d06.822'	
two tank foundation	15d21.335'	080d06.756'	tank busted bottom
open well	15d21.333'	080d06.755'	
<i>Tower in regular village</i>	15d06.757'	080d02.171'	

Integrated Development Project for Tsunami Victims
PRAKASAM DISTRICT, ANDHRA PRADESH STATE, INDIA