

INNOVATIVE TECHNOLOGIES IN VISAKHAPATNAM DISTRICT

Concept

- Installation of HYDRAULIC RAM PUMP
- No energy required for Operation of Pump
- An Operational head required for operation
- Lifts Small Quantities of Water to higher heads

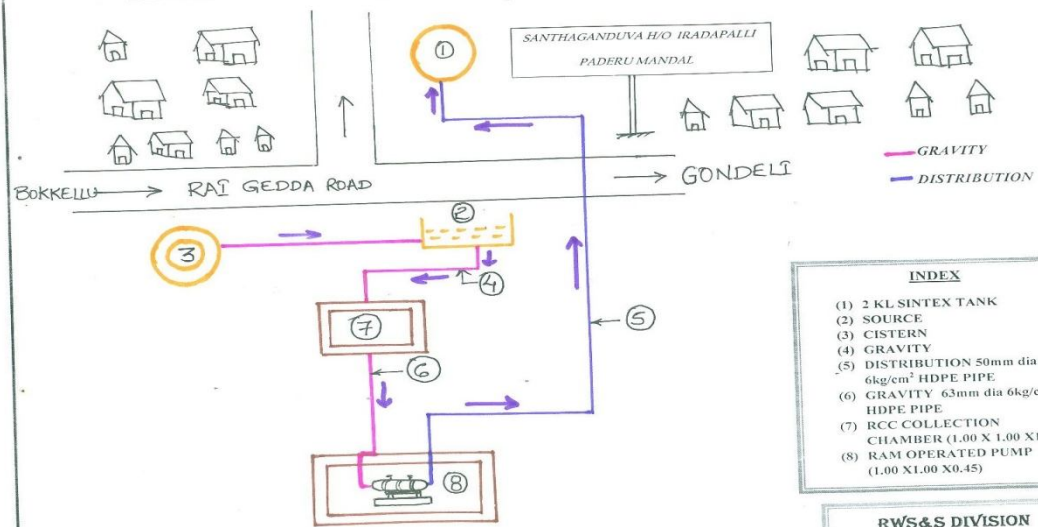
Scheme

- Providing Water to 144 Tribal People of Santhaganduva habitation located in hilly terrain
- Estimated Cost: Rs. 6.00 lakhs

Components

- A Spring and a small Open well as Source located at about 30 mts *below the habitation level*
- A HYDRAULIC RAM PUMP Located about 6 mts. *below the source level*

SCHEMATIC LAYOUT DRAWING SANTHAGANDUVA H/O IRADAPALLI



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- (1) 2 KL SINTEX TANK
- (2) SOURCE
- (3) CISTERN
- (4) GRAVITY
- (5) DISTRIBUTION 50mm dia
6kg/cm² HDPE PIPE
- (6) GRAVITY 63mm dia 6kg/cm²
HDPE PIPE
- (7) RCC COLLECTION
CHAMBER (1.00 X 1.00 X 1.50)
- (8) RAM OPERATED PUMP
(1.00 X 1.00 X 0.45)

RWS&S DIVISION
PADERU

NOT TO SCALE THE DRAWING



A GRAVITY SCHEME

Concept

- A Natural Spring at higher elevation
- Protection of the Spring from Contamination
- Gravity main up to Habitation
- Small Storage tank in the habitation

Scheme

- Providing Drinking Water to 171 people of Cheeruvaveedhi H/O Nurmathy in G.Madugula Mandal
- Estimated Cost: Rs. 7.50 lakhs

Components

- Spring source with due protection
- Filter tank with media.(it also acts as break pressure tank for the gravity flow}
- Provision for 2 KI GLSR in the village
- Provision for 5 No of Single tap Public Fountains in the village.
- Gravity main length 962 mtrs from source to village with 63 mm dia HDPE 6kg/cm2.

