## **GOVERNMENT DEGREE COLLEGE, NARASANNAPETA**

## **DEPARTMENT OF MATHEMATICS**

COMMUNITY SERVICE PROJECT REPORT

Submitted in the partial fulfillment for B.Sc (M.P.C) Internship

(Batch 2022-2023)



## PROJECT NAME: WATER FACILITIES AND DRINKING WATER AVAILABILITY

Submitted by

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B.Sc (M.P.C) 3<sup>rd</sup> Semester

Under the Mentorship of

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DEPARTMENT OF MATHEMATICS

## **CERTIFICATE**

Certified that the project report titled

<u>"WATER FACILITIES AND DRINKING WATER AVAILABILITY"</u> is the bonified work of <u>BORA HARIKRISHNA</u> (Reg .No :2022004052005) who carried out the project work under the supervision of Smt M Harika.

Signature of the Mentor

DATE: 30/9/2022 STATION: Navadannapola.



## DECLARATION

I hereby declare that the project report titled "WATER FACILITIES AND DRINKING WATER AVAILABILITY". This has been undertaken for the purpose of partial fulfillment of B.Sc(MPC) in Govt.Degree College, Narasannapeta.

B. Havi Kvislung Signature of the student

Date: 39/9/2022

(Reg No: 2022004052005)

Mr. Drawe Ham

PRINCIPAL
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NARASANNAPETA-532 421
Srikakulam Dist.

#### **ACKNOWLEDGEMENT**

It is really a matter of pleasure for me to get an opportunity to thank all the persons who contributed directly or indirectly for the successful completion of the project "WATER FACILITIES AND DRINKING WATER AVAILABILITY" in Village.

I wish to express my gratitude to the Ward member and sarpanch of B. GOV to do a community service project in the summer. They provided me with their assistance and support whenever needed, which has been instrumental in completion of this project. I am thankful to Smt M.Shanthiham, Principal of Government Degree College, Narasannapeta for their support and encouragement throughout the tenure of the project, Also I am thankful to my faculty ment or Smt M.Harika, lecturer in Mathematics Government degree college, Narasannapeta for being a source of support during this training period.

B. Hari Krishma STUDENT NAME

Reg No: 202200 4052005

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#### INTRODUCTION

Community Service is considered the Backbone of the modern education system. Educational Institutions play an important role in the development of the Indian economy. Educational Institutions had played an important role in bringing Educational revolution, in removing indifference of wealth, and in attaining Balanced Regional Development.

Before the New Educational Policy , the condition of the education system was very terrible. Students were merely spectators and got knowledge in a mechanical manner. There was no connectivity between Industry and academia . There was no direct contact and impact of the student on society.

New Educational Policy stressed the need of student service to the Community and Industry-academia connectivity. This enables the student to learn and understand societal issues and tries to give an amicable solution. He became a participant in the country's development process. As a part of this, this Community Service Project has been done.

# ABOUT TOPIC: "WATER FACILITIES AND DRINKING WATER AVAILABILITY"

## 1 Introduction

Water supply is one of the basic services for demographic, social and economic development of a society and its provision is made compulsory by Public Administrations. Law 7/1985 Regulating the Local Regime Databases determines, in articles 25.2 and 26.1, that the supplying of drinking water is a service that comes under the jurisdiction of municipalities, although it may be managed directly by municipal councils themselves, or indirectly via other, private or public legal entities.

Urban demand for water shows a great deal of uniformity in its use, this being one of its main features. This is because it includes both domestic use and other uses of water, such as municipal, collective, industrial, commercial, as well agricultural use. In turn, the tourist industry and the second homes generate, in many areas of Spain, a large demand on its supply, and may even end up exceeding demand corresponding to the population habitually resident there (resident population).

The need to have access to reliable and regular data regarding uses of water is without question. In light of this, developing a statistical information system for monitoring and assessing current and future political actions regarding water management in Spain.

The Survey on Water Supply and Sanitation presented here has been designed to serve the aforementioned purposes. This survey is framed within operation 6091 "Statistic on water supply and sewerage" which appears in the National Statistical Plan 2013-2016.

## 2 Objectives

The main objective of this survey is to quantify in physical units and value in economic magnitudes the activities relating to the so-called *integral water cycle*. comprising water supply and treatment (sewerage system and filtering of waste water).

Other survey objectives are:

- To provide information necessary for drafting water satellite accounts.
- To meet the demand for this type of data by different users (national and international bodies, companies in the sector and public administrations).
- To integrate the information obtained with data provided by INE company economic surveys (industrial and services) in order to gain a fuller picture of the water situation in our economy.
- To draft synthesis indicators enabling interpretation of results obtained from users.

## 3 Description of the production activity

Water supply is a service that comes under municipal jurisdiction, and that can be managed directly (management by the actual Municipal council or municipal company) or indirectly via mixed companies, concessions to private companies, or consortia. Management may also be undertaken by local supramunicipal bodies (associations of municipalities, metropolitan areas or groups of municipalities) or Autonomous Community ones (Autonomous institutions and bodies, consortia between local and Autonomous Community administrations).

Urban demand for water is uniform in terms of its use and the pricing structures do not allow for consumption classified according to type of user to be assessed reliably. This inconvenience jeopardises the reliability of water use estimates classified by economic sector, thereby making it essential to cover other surveys enabling a more accurate estimate of water use by economic sector such as the use of water in the industrial and services sectors.

In order to avoid repetitions, the activity of high-level water distribution is differentiated from other integral water cycle activities. This activity is characterised by collecting water from the environment in order to supply those managing urban water, the latter being responsible for low-level water distribution via supply networks to end users, such as households and economic sectors (industry and services) and where appropriate, agriculture in the livestock subsector. High-level water collection is undertaken by associations or groups of municipalities and other administrative institutions (hydrographical confederations, water companies or administrative bodies attached to the Autonomous Community Administration).

Despite there being an obligation to monitor and treat the wastewater, the main drive in this respect came about with the enactment of Community Directive 91/271/CE, relating to treatment of waste water (and its subsequent amendments, Directive 98/15/CE). The implementation of the National Sewage and Wastewater Filtering Plan, as a tool for planning sewerage and waste water filtering infrastructures, has entailed the signing of agreements between public administrations, in order to speed up the approving of operational programmes when dealing with compliance with the community directive.

Regarding this issue, municipal councils and Autonomous Communities are also responsible for this public service, which may be managed, as with water supply, directly (self-management) or indirectly (franchises assets to private companies).

## 4 Variables and definitions

Below the most relevant variables comprising the survey questionnaire are explained. The definitions follow the methodological recommendations of the joint questionnaire regarding water established by EUROSTAT/ OECD. (JQ Inland Waters) which Spain as a European Union Member State completes every two years.

#### Water collection

Water abstraction consists of water withdrawal from a natural source and its storage for further use. This includes the services damming and piping via main pipelines. Among others, a distinction is made between collecting surface water and groundwater, using probes or perforations.

#### · Fresh surface water

Continental surface water is water with a surface current or retained above a hollow, in other words, dammed. Water with a surface current including natural river courses (rivers, streams, ravines, etc) and of artificial courses (channelling systems for irrigation, industry and navigation, drainage systems and rafts and artificial dams).

#### Fresh Groundwater

This type of water resource refers to water that has been extracted, generally, , from an aquifer por sondeo o perforación. Aquifers are all the all permanent and provisional water deposits existing in the subsoil, replenished both artificially and naturally, of sufficient quality for a specific use. This category includes water contained in the phreatic layer and in geological depressions.

This section includes water collected from springs. This excludes filtered water, which will be included in surface water.

- Water for desalinisation: this comprises seawater and transition water, such as marshes, lagoons, estuaries and brackish water inlets, desalinated before use.
- Other types of water resource: this section includes directly collecting rainwater or other types of water resources not previously included.
- Volume of water supplied to the public network: this involves water entering
  the distribution network from drinking water treatment plants or service deposits.
  Classification of water supplied to the network is presented below:
- Volume of water registered and distributed by type of user: this heading
  includes exclusively volumes measured by users' meters (both communal and individual
  ones).
- Volume of water non-registered: this corresponds to the difference between the volume of water supplied to the public supply network and the volume of water registered and distributed by type of user. This is broken down into:

- **-Real losses:** these are physical losses of water in the distribution network as far as the user's measuring point. This comprises water leaks, breakages and faults in the distribution networks and outlets.
- -Apparent losses: these are non-physical water losses. These are broken down into:
- Inaccuracy of the meters (undercounting): it comprises measuring errors by the water meters when measuring small water volumes
- Non-measured authorised consumption: it refers to consumption that is not measured by a meter (estimations or capacities). These consumptions can be invoiced or not
- Non-authorised consumption (fraud): it includes water deviation or taking that is made illegaly and, therefore, is either measured nor invoiced.
- **Total value of water invoiced:** This section covers all concepts shown on the water bill paid by users (households and economic sectors). This refers to both the billing itself and the monetary amounts charged to said users by delegation of billing. This excludes the value of the VAT invoiced.

A distinction is made, within this section, between three main variables:

- Water supply: this is the amount charged to users for the full amount of water supplied on a low-level via the supply network. This includes both the rates and tariffs paid for water supply (self-invoicing). Monetary amounts recorded in the survey are ion a cash basis, in other words that effectively charged in the reference financial year, even where water consumption may have been in previous years.

Moreover, amounts charged are collected by delegation of invoicing in order to defray high-level water piping projects carried out by other bodies or institutions (regulation taxes or water use rates of Hydrographical Confederations, piping taxes of Water Companies or of Autonomous Communities).

Also included in this variable are service quotas relating to conservation and use of outlets and meters.

- **-Sewage:** this corresponds to the amount charged to users for this concept. This also includes mainly municipal sewerage fees.
- **-Wastewater treatment:** this concept considers the total amount of profit during the year for all wastewater filtering services. Corresponds to the amounts charged to users for this concept.

This includes both municipal sewerage fees and taxes of an ecological nature collected for third parties. The latter case entails:

- -The sewerage tax established by the Autonomous Community body withfor defraying the construction and maintenance of wastewater filtering plants.
- -Taxes for disposing of said water Hydraulic Public Domain (Hydrographical

Confederation dumping control fee or where appropriate, dumping fee established by Autonomous Communities). The fee for dumping at sea is included in this section.

#### Wastewater treatment

This refers to all operations carried out to amend the features of wastewater in order for it to be reused or returned to nature of a high enough level of quality. Types of treatment considered in this survey are:

- -Primary treatment,
- -Secondary or biological treatment,
- -Tertiary treatment,
- -Soft technologies and septic tanks

Types of plant considered in this survey are:

- -Plants that only carry out primary treatment. Physical-chemical treatment. This includes physical and chemical processes by means of which clear effluents are obtained by decanting, flotation, desanding or degreasing, having had those oils, greases or sludges removed.
- -Plants that carry out primary and secondary treatment. Physical-chemical and biological treatment Biological treatment may be aerobic and anaerobic and refers to techniques that use micro-organisms for breaking down organic matter such as active sludges or digesters.
- -Plants that carry out primary and secondary and tertiary treatment. Advanced or more thorough physical-chemical and biological treatment. This tertiary or advanced treatment includes processes such as inverse osmosis, ozone treatment, electrodialysis and denitrification.
- -Plants that apply soft technologies. Technologies applied to slightly polluted wastewater or as a treatment prior to discharge to the sewerage network or to primary treatment. Some of these are: lagooning, peat layers, biodiscs or rotating biological contactors, green filter.
- -Septic tank. Treatment system generally used in places where there is no sewerage system. It normally treats small amounts of drainage or polluted water. They are constructed using concrete, bricks, fibreglass, reinforced plastic or metal, forming a tank in which solids sink to the bottom and floating material rises.

In the questionnaire, features are requested for wastewater, before and after their treatment, in order to determine the pollutant load generated.

• **Biochemistry Oxygen Demand (BOD**₅) It is an indicator of the degree of pollution of wastewater. It involves measurements of the amount of dissolved oxygen consumed under specific conditions for biochemical oxidation of all organic material present in the water.

The features of waste water are measured in mg/litre and refer to the annual averages weighted with the current low treated for each of the wastewater treatment plants.

## 5 Collection of the information

#### QUESTIONNAIRE

There is a single questionnaire and the informant unit must complete only the sections in which activity has been carried out. In the case of a company carrying out all the characteristic activities relating to the integral water cycle, it must complete all sections.

#### ORGANISATION OF FIELDWORK

The procedure for obtaining information consists on sending a letter with the password for accessing the online INE platform, where the informant may fill in online the questionnaire. If they wish, they can ask the INE to send them the questionnaire by post, which they will send back afterwards to the INE by post or fax.

Questionnaires are submitted to the sampling units during the third quarter of the year subsequent to that of the reference year.

Staff in charge of the collection of data support collection tasks by directly calling companies that have not returned the questionnaire by email or online within the allotted time, in order to request information from them, advise them where necessary and obtain the completed questionnaire. Tasks ancillary to collection such as the updating of the directory, and the control and revision of the questionnaires, are also carried out.

#### COMPUTERISED MANAGEMENT OF THE SAMPLE FILE

Companies' sample form, both for monitoring collection, and for updating informant company data, is handled by software created for this purpose, making it possible to guarantee statistical secrecy, monitoring and organisation of the whole process. This system facilitates supervising the collection continuously, integrating the collection and filtering processes and it guarantees an efficient control of the process from the start of the survey as systematic errors in filling out and interpreting the questionnaires may be detected in the initial phases of the survey thereby facilitating their correction.

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#### Title of the Project

## "WATER FACILITIES AND DRINKING WATER AVALABILITY"

## **Questionnaire for the Project**

- 1. What type of Water System do you have:
  - a) Own Tap with overhead tank b) Underground water well/bore c) Community Tap
- 2. What type of water do you use for drinking a) Mineral Water b) Tap Water c)
  Ground Water
- 3. How do you evaluate the quality of your drinking water
  - a) Very Good b) Satisfactory c) Dissatisfied
- 4. Do you drink water from Outside: a) At hotels b) Other Places c) No
- 5. What kind of Sewage System do you have
  - a) In house pit
  - b) Drainage System
  - c) Polluted Water is driven into open space i.e; Ground etc
- 6. How do you wash up/take bath
  - a) By running water under tap b) Use bucket and Mug c) Shower/Sauna
- 7. What kind of washroom do you use: a) Flush b) Bucket/Mug c) ODF
- 8. How much Water do you use for a day: a) 10lit b) 15lit c)20lit d) More
- 9. Do you experience water shortages
  - a) No b) Rarely c) Almost every year d) It is constant problem
- 10. Do you have water conservation methods: a) Pits b) Community action c) None
- 11. Are you suffering any water borne diseases: a) Malaria b) Cholera c) Scabies d) Typhoid
- 12. Does the water you use is a) Fluoride water b) Hard water c) None
- 13. How often do you clean water storage tanks per year
  - a) Once b) 2-3 times c) 4 times d) >6 times
- 14. Are you interested to learn Water conservation methods: Yes/No
- 15. How much water is used in your family per a day
  - a) 60lit b) 80lit c) 100lit d) More
- 16. How much water is used for drinking (only) in your total family per a day
  - a) 30 lit b) 40 lit c) 50 lit d) none
- 17. Is there any RO System (water plant) in your village: yes/no
- 18. How many RO System (water plant) are there in your village :
  - a) 1 b) 2 c) 3 d) None
- 19. What type of Water bodies are there in your village
  - a) Pond b) Lake c) River d) a or b
- 20. Is your village comes under coastal area: yes/no

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# ECOLOCIC SURVEY SURVEY



# GOVERNMENT DEGREE COLLEGE-NARASANNAPETA DEPARTMENT OF MATHEMATICS LOG BOOK FOR COMMUNITY SOCIAL SERVICE PROJECT

Name of the Student

: Bora. Harikrishna

Group

: BSC CMPC) (IT year)

**Register No** 

: 2022004052005

S.No	Date and Day	No of Houses visited	Activity Conducted	Signature of the student
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Signature of the Mentor

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vi) Type cooking fuel used: LPG/ vii) Do you have vehicle: two w 5. Health Details: i) Diseases in family: ii) Do you have Government Arc 6. Other details: ii) Do you have TV: Yes/No iii) Do you have Dish connection iii) Channels watched regularly: iv) Do you have Mobile: Yes/No, v) Is internet available at home: 7. Name of the Govt. Schemes rec Jagananna Vidhya Deevena/Ja	Kerosene/Electricity heeler/ auto/car/an  gyasri Card: Yes/No  Yes/No  Mobile number: Yes/No celved: NO agananna Vasati Dee	AAA ← TV_3. (  Laptop :yes	Sawini – (1) /no,internet ava arosa /Any othe	ilability : Yes/No
vi) Type cooking fuel used: LPG/ vii) Do you have vehicle: two w 5. Health Details: ii) Diseases in family: iii) Do you have Government Arc 5. Other details: ii) Do you have TV: Yes/No iii) Do you have Dish connection iii) Channels watched regularly: iv) Do you have Mobile: Yes/No, v) Is internet available at home: 7. Name of the Govt. Schemes rec Jagananna Vidhya Deevena/Ja	Kerosene/Electricity Theeler/ auto/car/an  Syasri Card: Yes/No  Yes/No  Mobile number: Yes/No celved: NO agananna Vasati Dec	Laptop: yes	Sawini - () /no,internet ava arosa /Any othe	ilability : Yes/No
vi) Type cooking fuel used: LPG/ vii) Do you have vehicle: two w 5. Health Details: ii) Diseases in family: ii) Do you have Government Arc 6. Other details: ii) Do you have TV: Yes/No iii) Do you have Dish connection iii) Channels watched regularly: iv) Do you have Mobile: Yes/No, v) Is internet available at home: 7. Name of the Govt. Schemes references	Kerosene/Electricity Theeler/ auto/car/an  Tyes/No 1.	Laptop:yes	Sawini – (1) /no,internet ava arosa /Any othe	ilability : Yes/No

. Address of the family: Got	i poui l	ject –Socio Econ	, petalm)	, Sylcalcula
No Name of The Person	Gender	Age	Education	Piotession
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p. Davanamoka	Pemale	35	574	housewife.
	Pemale	20	ZInter	
	male	18	10th	
pHari	max	Sales Care USE		
vii) Type cooking fuel used: LPG/K vii) Do you have vehicle: two who  5. Health Details: ii) Diseases in family iii) Do you have Government Arog  6. Other details: ii) Do you have TV: Yes/No iii) Do you have Dish connection: Y iii) Do you have Mobile: Yes/No, M v) Is internet available at home: Yo  7. Name of the Govt. Schemes rece  1 Jagananna Vidhya Deevena/Jag  8. Any three problems faced in the  Place: Gotti Palli Date: 23-05-22 Sign:	yasri Card : Yes/ yasri Card : Yes/ yes/No Les/No lobile number: es/No lived : ananna Vasati C village :	(No Comin) 3 Laptop:	maa-TV yes/no,internet ava Bharosa /Any other	er: Mo

Address of the family : Glotti	palti (Villag		pela(M)	Profession
.NO Name of The Person	Gender	Age		O escuentito
U. Raju lemmari	female	46 Hears	10K,	the mounte
U. Simauya,	male	पर प्रवाह,		formen!
U. mounilea,	female	16 spars	Intent	
U. Havilcan	-female	20 years	deduses	
iii) Names of crops: No iiv) Cattle: ————————————————————————————————————	Yes/No Nobile number: Yes/No Nobile number: Yes/No elved: gananna Vasati I	Say Maa 3. Laptop:yes. Deevena / Raithu Bh.	breminity  /no,internet avail  arosa /Any other  Paro blem	em R. Harileri

Name of the Student : 3. Have Semester / Year/Course/Group : Stame of the Guide/Mentor and De Community S	partment:	iect –Socio Econom	iic Survėy	1 201	, h. la
1. Address of the family: 90 Hi 2. Family Details: 5.NO Name of The Person	palli (Uillag	e, L.N	Education	M), Sriko	Lua
U. Rambabu, U. Podhama, U. Anusha	male female female	50 years	10th,	Auto House wrife	
3. Social Status details : i)Caste : gii)Religion :		ST/BC-A/B/C/D/OC	Jegres	in the state of th	
i) Type of House Building: Hut/se ii) Availability of Agricultural land iii) Names of crops: , , iv) Cattle: , , v) Do you have own toilet: Yes/N vi) Type cooking fuel used: LPG/K vii) Do you have vehicle: two wh 5. Health Details: i) Diseases in family: ii) Do you have Government Arog	: Yes/No if yes — ox — o erosene/Electricit eeler/ auto/car/a		sheep/goats		
6. Other details:  i) Do you have TV: Yes/No ii) Do you have Dish connection: N iii) Channels watched regularly: 1 iv) Do you have Mobile: Yes/No,M v) Is internet available at home: Ye 7. Name of the Govt. Schemes rece	/es/No /es/No poblle number: es/No /ved :	Stay mag <sub>3</sub> Laptop :yes,		ilability : Yes/No	
Place: Signa 27 - 05 - 2022	ODO WO WANTED	Dominage Electrical	frohler frohlen gnature of the	n B. Haw'i ( Student	er ish

Address of the family: Gotto Family Details:  NO Name of The Person  B. Namdhu  B. Albundh  R. Aujan  Social Status details: i)Caste: ii)Religion: Economic Status details:	male Female male Female	Age  Uy Yeally  Uoyealy  13 yeary  10 yeary	Education 10th	Forman Haulelwife
B. Abinath B. Abinath B. Anjaii Social Status details: i)Caste: (ii)Religion:	Female Female RC-D (SC/ST,	13 years	10th	Howelwife
B. Abinath B. Abinath B. Anjaii Social Status details: i)Caste: (ii)Religion:	male Female BC-D (SC/ST,	13 years	Inter	101
R. Abinaff R. Anjali Social Status details: i)Caste: (ii)Religion:	male Female BC-D (SC/ST,	10 ५ ६०म	Inter	
Social Status details: i)Caste: (ii)Religion:	BC-D (SC/ST)			Education
. Social Status details : i)Caste : (ii)Religion :	BC-D (SC/ST)	//BC-A/B/C/D /OC	8+4	Education
ii)Religion :	Hindhu	/BC-A/B/C/D /OC		
vi) Type cooking fuel used: LPG/Kovii) Do you have vehicle: two where it. Health Details: i) Diseases in family: ii) Do you have Government Arogy. Other details: ii) Do you have TV: Yes/No iii) Do you have Dish connection: Yes, Do you have Mobile: Yes/No, Movi) Is internet available at home: Yes Name of the Govt. Schemes received any three problems faced in the very contraction of the cook of the co	yasri Card: Yes/No yasri Card: Yes/No yes/No yes/No yes/No yed: ananna Vasati Deev yillage: () E ( e)	amini 3 M	<u>naa+v</u> /no,internet ava	r:

	ess of the family: Got y Details:	Social Service Project	L.N Peto		
.NO	Name of The Person	Gender	Age	Education	Profession
	ic eeotavam	male	50 yeary	cth	Forman
14 St. 1	k. Ram	Female	45 years	1044	Howe/wife
	15 mohain	male	soyear	pegree	Education
	k. Rhavain	Female	Livery	Inter	Education
5. Hea i) Do ii) Do 5. Othe i) Do ii) Do iii) Ch	Ith Details: seases in family: you have Government Arcer details: you have TV: Yes/No you have Dish connection tannels watched regularly: you have Mobile: Yes/No,	ogyasri Card: Yes/No : Yes/No 1. GTV 2. G	aronini 3. V		ilability : Yes/No
. Nam	ternet available at home : e of the Govt. Schemes re ananna Vidhya Deevena/Ja	ceived:			r:
	Gotti Palic 27-05-22 Sig	e village: 1) Ele	ctrical pr	voblem.	leriflung Student

if yes ————acr	teal loth A 46 Inter reals Degre reals Degre real Degre res.  sheep/g	Joh Howselvishe Re Education Re Education
(SC/ST/BC-A/B/	Degree  C/C/D/OC)  Conglow/rented or res.  Sheep/g	touseholde e Education e Education
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(SC/ST/BC-A/B/L/L/L/L/L/SC/ST/BC-A/B/L/L/L/L/L/L/SC/ST/BC-A/B/L/L/L/L/L/L/SC/ST/BC-A/B/L/L/L/L/L/SC/ST/BC-A/B/L/L/L/L/L/SC/ST/BC-A/B/L/L/L/L/SC/ST/BC-A/B/L/L/L/L/SC/ST/BC-A/B/L/L/L/L/SC/ST/BC-A/B/L/L/L/L/SC/ST/BC-A/B/L/L/L/L/SC/ST/BC-A/B/L/L/L/L/SC/ST/BC-A/B/L/L/L/L/SC/ST/BC-A/B/L/L/L/SC/ST/BC-A/B/L/L/L/SC/ST/BC-A/B/L/L/L/SC/ST/BC-A/B/L/L/L/SC/ST/BC-A/B/L/L/L/SC/ST/BC-A/B/L/L/L/SC/ST/BC-A/B/L/L/L/SC/ST/BC-A/B/L/L/L/SC/ST/BC-A/B/L/L/L/SC/ST/BC-A/B/L/L/L/SC/ST/BC-A/B/L/L/L/SC/ST/BC-A/B/L/L/L/SC/ST/BC-A/B/L/L/L/SC/ST/ST/ST/ST/ST/ST/ST/ST/ST/ST/ST/ST/ST/	bunglow/rented or res.	e Education
(SC/ST/BC-A/B/  /pucca/apartment/ if yes ———————————————————————————————————	/C/D /OC) bunglow/rented or res.	own
/pucca/apartment/if yes ————acr ————buffaloe	bunglow/rented or res. essheep/g	
asati Deevena / Ra	ilthu Bharosa /Any  Problew	et availability : Yes/No r other :
/	2 8 Pov + 5 ber: 95 (00 6 2 ap	ber: 95(0066201.3. New) ber: 95(0066201.3. yes/no,interno

Name of the Student: B. Havi	kristma	Register No :		
Semester / Year/Course/Group :	and year is	ic [mpc]		
Name of the Guide/Mentor and De	partment:			1 00 0
Community S	asannapeta	ect -Socio Econor	nic Survey	(n)
100	alama Do fo	(v), cr	ilcalculu	4 (1)
1. Address of the family: NOY	asavalai ol	100 45 17		1A1
5.NO Name of The Person	Gender	Age	Education	Profession
a. Narayana	male	5 o yeary	ioth	Formar
Chi Ram	Female	47 years		Howe/wife
Ch. Navya	Female	19 Vecus	Inter	-Colu Cation
Ch. Acuini	Female	15 yeary	10th	Education
i) Type of House Building: Hut/s ii) Availability of Agricultural land iii) Names of crops: ND iv) Cattle:	I : Yes/No if yes —— ox ———ox No Kerosene/Electricit heeler/ auto/car/ar gyasri Card : Yes/N	——————————————————————————————————————	sheep/goats	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
ii) Do you have Dish connection : iii) Channels watched regularly :	1 - C-1V-2-1	famini 3	Maa-TV	_
v) Do you have Mobile: Yes/No,l v) Is internet available at home: 7. Name of the Govt. Schemes rec Jagananna Vidhya Deevena/Ja 8. Any three problems faced in th	Mobile number: 65 Yes/No celved : Igananna Vasati De	(30000 Laptop :ye	narosa /Any othe	er:
Place: Navalannaleta Date 07-06-2022 Sigi	ch. The Ment	or .	B. Haril Signature of the	

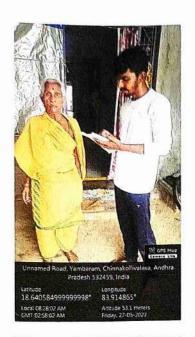
2. Family Details :		ta (v), (vi	Education	Profession
S.NO Name of The Person	Gender	Age	Eddadii	0 20 1/4
L. RaiaRao	male	50 yeary	15 30	WOXK
L. Narayanamme		ykyeary	1.1.25631	Howelwis
1. seta	Female	19 yeary	Degree	Education
1. Laya	Female	marked	pegree	Howelwit
i) Diseases in family : ii) Do you have Government Aro 6. Other details : i) Do you have TV : Yes/No ii) Do you have Dish connection : iii) Channels watched regularly :	Yes/No 1		へなる こし /no,internet avai	llability : Yes/No

1. Address of the family: Got	Social Service Proje	1.NPed	alm),	srikakulan
z. Family Details :		Temoral Control of	Education	Profession
S.NO Name of The Person	Gender	Age	- 4/.	-
B. ChinnaRao	male	45 Heary	1000	Forman
B. Laxmi	Female	39 Years	314	Howe wite
B. kumani	Female	20 years	Degree	Education
B. Anta	male	18 yeary	Intere	Education
3. Social Status details : i)Caste :		er and the second	\$164 a.5.50.1	
ii) Availability of Agricultural land iii) Names of crops : Ye	d:Yes/No if yes	acresbuffaloes	/rented or own	
ii) Availability of Agricultural land	: Yes/No if yes — Ox — Ox — Ox	—buffaloes-——  y/wood/others spe y other vehicle —	sheep/goats-	
ii) Availability of Agricultural land iii) Names of crops: Yel iv) Cattle: cows v) Do you have own toilet: Yes/I vi) Type cooking fuel used: LPG/ vii) Do you have vehicle: two w 5. Health Details: i) Diseases in family: ii) Do you have Government Aro 6. Other details: i) Do you have TV: Yes/No ii) Do you have Dish connection: iii) Channels watched regularly: iv) Do you have Mobile: Yes/No,	Ox O	—buffaloes-—— y/wood/others spe y other vehicle —	-sheep/goats-cify LP	Si di
ii) Availability of Agricultural land iii) Names of crops: Yel iv) Cattle: cows v) Do you have own toilet: Yes/I vi) Type cooking fuel used: LPG/ vii) Do you have vehicle: two w 5. Health Details: i) Diseases in family: ii) Do you have Government Aro 6. Other details: i) Do you have TV: Yes/No ii) Do you have Dish connection:	Yes/No if yes —  No  Kerosene/Electricity heeler/ auto/car/an  gyasri Card: Yes/No  Yes/No 1. — 1 2 1  Mobile number: 96  Yes/No ceived: No agananna Vasati De	wood/others speny other vehicle —	Sheep/goats-cify— LP/	Slability: Yes/No

Semester / Year/Course/C	or and Department:	Mercubi	- mio Curnov	(מ
1. Address of the family:	nmunity Social Service Pro Nava Janua Pet	alv), sr	Temes	7
2. Family Details : S.NO   Name of The Pe	erson Gender	Age	Education	Profession
G. Bagara		119	Gradwas.	former
Cr. Sauth		u6.	reacher.	Talling
G. TESO		39	-706.	20p.
Cy. Rham		18	ogstuding	strong
v) Do you have own toil vi) Type cooking fuel us vii) Do you have vehicle 5. Health Details: i) Diseases in family ii) Do you have Governo 6. Other details: i) Do you have TV: Yes, ii) Do you have Dish con iii) Channels watched re iv) Do you have Mobile: v) Is internet available at 7. Name of the Govt. School	ed: LPG/Kerosene/Electricities: two wheeler/ auto/car/a : ment Arogyasri Card: Yes/I /No nection: Yes/No gularly: 1	No News .3	SPOYLS  yes/no,internet avail	ability : Yes/No

S.NO	community S ess of the family: Nava y Details: Name of The Person	Gender	Age	Education	Profession
1		malle.	184	Graduation	1. Studyou
<u> </u>	k. Macudra amo.	male.	U5t	5 dylog	Sorne
i	C. Mallana Radi	Le Mall.	394	Inter.	hours wif
	6. Ramanaule	male.	224	Ruser	106.
	12. Rosu	male.	23+	P.G	206.
v) Do vi) To vii) I 5. Hea i) Do ii) Do ii) Do iii) Cl	ttle:cows	o Kerosene/Electricity eeler/ auto/car/any yasri Card : Yes/No Yes/No	wood/others y other vehicle	specify—	
v) is n 7. Nam Jag 8. Any	you have Mobile: Yes/No, Moternet available at home: Yes of the Govt. Schemes recommand Vidhya Deevena/Japathree problems faced in the NayasawaPeta	es/No/ elved : gananna Vasati Dee	rainage	Bharosa /Any othe	r: 1

2. Address of the family: Nava Sama Peta V), Pricakulam (D)  2. Family Details:  S.NO Name of The Person Gender Age Education Profession  D. Pralad Male Soyeam R.Cd Job  D. Navya Female Toyeam R.Cd Job  D. Hari Female Toyeam Then Howe-Willage:  D. Hari Female Toyeam Then Columbia  3. Social Status details: i)Caste: BC-V (SC/ST/BC-A/B/C/D/OC)  ii)Religion: Hudbu  4. Economic Status details:  i) Type of House Building: Hut/semi puce/pucca/apartment/bunglow/rented or own  ii) Availability of Agricultural land: Yes/No if yes acres.  iii) Names of crops: ND  iii) Names of crops: ND  iii) Names of crops: ND  iii) Do you have own toilet: Yes/No  vi) Do you have own toilet: Yes/No  vi) Do you have vehicle: two wheeler/ auto/car/any other vehicle  5. Health Details:  i) Diseases in family:  ii) Do you have Government Arogyasri Card: Yes/No  iii) Do you have Government Arogyasri Card: Yes/No  iii) Do you have Mobile: Yes/No, Mobile number: Qub/ Staptop: yes/no, internet availability: Yes/No  v) Is internet available at home: Yes/No  7. Name of the Govt. Schemes received:  1 Jagananna Vidhya Deevena/Jagananna Vasati Deevena/ Raithu Bharosa /Any other:  2. Any three problems faced in the village:  1) Drawg & Droblem  Place: Nova Javana Ref.  Signature of the Student  Place: Nova Javana Ref.  Signature of the Student	Name of the Student: B. How Semester / Year/Course/Group: Community	epartment:	16 (1,110)	nic Survéy	(5)
Name of the Person  D. Pradad  D. Pradad  D. Novya  Female  Gender  Nover  Gender  Recommine  Female  Gender  Female  Femal	1. Address of the family: Nav	a sannareta	(v), er	ilcakara	m(1)
D. Pralad Male So Year R.Ed Tob  D. Novya Female ug Year Intent House-with Penale ug Year Intent House-with Penale ug Year Degree Caulation  D. Har'i Female 18 Year Degree Caulation  3. Social Status details: i)Caste: BC-D (SC/ST/BC-A/B/C/D/OC)  ii)Religion: Hudduu  4. Economic Status details: i) Type of House Building: Hut/semi pucea/pucca/apartment/bunglow/rented or own ii) Availability of Agricultural land: Yes/No if yesacres. iii) Names of crops: NO iv) Cattle: cows ox buffaloes sheep/goats vi) Do you have own toilet: Yes/No vi) Type cooking fuel used: LPG/Kerosena/Electricity/wood/others specify— LPG vii) Do you have vehicle: two wheeler/ auto/car/any other vehicle  5. Health Details: i) Diseases in family: ii) Do you have Government Arogyasri Card: Yes/No ii) Do you have Dish connection: Yes/No iii) Do you have Dish connection: Yes/No iii) Do you have Mobile: Yes/No, Mobile number: Qub & Maptop: yes/no, internet availability: Yes/No 7. Name of the Govt. Schemes received: Jagananna Vidhya Deevena/Jagananna Vasati Deevena / Raithu Bharosa /Any other: 2. Any three problems faced in the village: 1) Dy auge Pyololeum	5. NO Name of The Person	Gender	Age	Education	Profession
D. Navya Female Ug Yeary Today Colucation  D. Hari Female 19 yeary Degree Colucation  3. Social Status details: i)Caste: RC— (SC/ST/BC-A/B/C/D/OC)  ii)Religion: Hundluu  4. Economic Status details: i) Type of House Building: Hut/semi puces/pucca/apartment/bunglow/rented or own ii) Availability of Agricultural land: Yes/No if yes —— acres. iii) Names of crops: NO vi) Type cooking fuel used: LPG/Kerosens/Electricity/wood/others specify— LPG vii) Do you have wehicle: two wheeler/ auto/car/any other vehicle—  5. Health Details: i) Diseases in family: ii) Do you have Government Arogyasri Card: Yes/No 6. Other details: ii) Do you have Dish connection: Yes/No iii) Do you have Mobile: Yes/No, Mobile number: Ru & Respitop: yes/no, internet available at home: Yes/No 7. Name of the Govt. Schemes received: Jagananna Vidhya Deevena/Jagananna Vasati Deevena / Raithu Bharosa /Any other: 8. Any three problems faced in the village: 1) Dy Quage Pyololium		male	Soyeay	BEd	Job 3
3. Social Status details: i)Caste: BC-> (SC/ST/BC-A/B/C/D/OC) ii)Religion: Huddu  4. Economic Status details: i) Type of House Building: Hut/semi pucea/pucca/apartment/bunglow/rented or own ii) Availability of Agricultural land: Yes/No if yes ———————————————————————————————————			ug yeay		Howe-wi
3. Social Status details: i)Caste: BC-D (SC/ST/BC-A/B/C/D/OC) ii)Religion: Hudduu  4. Economic Status details: i) Type of House Building: Hut/semi pucea/pucca/apartment/bunglow/rented or own ii) Availability of Agricultural land: Yes/No if yes ——acres. iii) Names of crops: ND iv) Cattle: ——cows ——ox ——buffaloes——sheep/goats— v) Do you have own toilet: Yes/No vi) Type cooking fuel used: LPG/Kerosena/Electricity/wood/others specify—LPG vii) Do you have vehicle: two wheeler/auto/car/any other vehicle— 5. Health Details: i) Diseases in family: ii) Do you have Government Arogyasri Card: Yes/No 6. Other details: ii) Do you have Dish connection: Yes/No iii) Do you have Mobile: Yes/No iii) Channels watched regularly: 1.————2 — MOATY 3. SPOYAS iv) Do you have Mobile: Yes/No, Mobile number: 20.6/8/12/ptop: yes/no, internet availability: Yes/No v) Is internet available at home: Yes/No 7. Name of the Govt. Schemes received: Jagananna Vidhya Deevena/Jagananna Vasati Deevena / Raithu Bharosa /Any other: 8. Any three problems faced in the village: 1) DYQUIGE DYOLOLUM	2	Banale	19 yeary	Degree	
ii)Religion: Huddu  4. Economic Status details: i) Type of House Building: Hut/semi puces/pucca/apartment/bunglow/rented or own ii) Availability of Agricultural land: Yes/No if yes			18 years	Inter	Education
	ii) Availability of Agricultural land iii) Names of crops: ND iv) Cattle: ————————————————————————————————————	ox ————————————————————————————————————	-buffaloes	sheep/goats ecify— LPG  SPOVS s/no,internet ava narosa /Any other YOBICHM  B. Haw	allability: Yes/No





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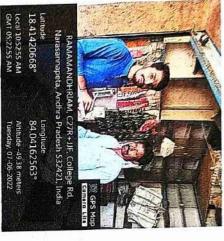
















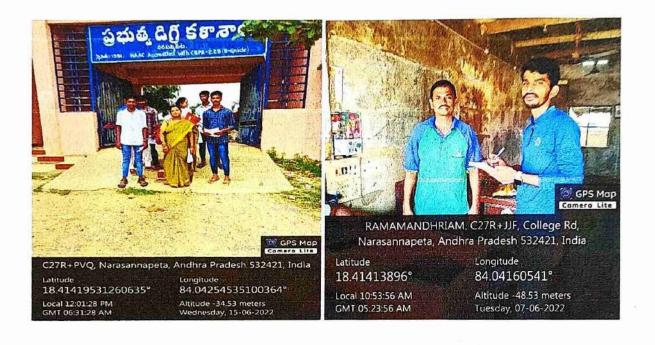


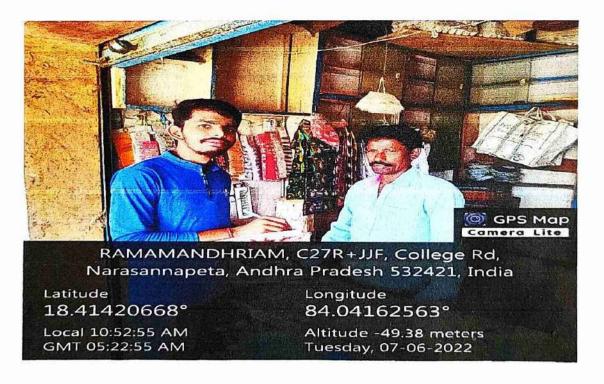






#### **PHOTOGRAPH**





# WATERTACILITES

## MND

# DRINKING WATER AVAILABILITY

## PROJECT REPORT

STUDENT NAME: Bora Havilerisha Mentor NAME: M. Havika

REGISTER NO: 2022004052005 GOVT.DEGREE COLLEGE

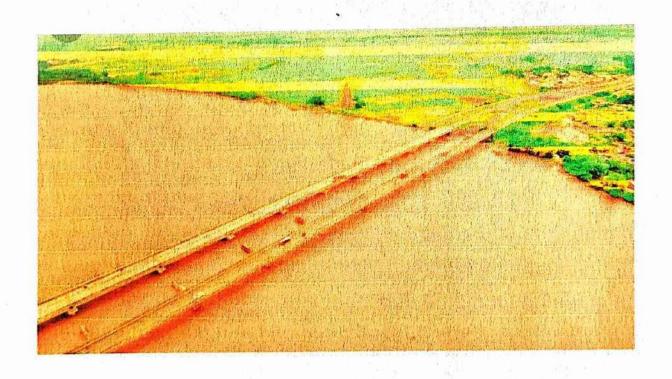
NARASANNAPETA



IN NARASANNAPETA VILLAGE WATER TANK



BORE WATER IS ALSO USED IN MY VILLAGE PEOPLE.



RIVER VAMSADHARA OR RIVER BANSHADHARA





IN SUMMER SEASON SOME TIMES TAP WATER NOT AVAILABLE IN MY VILLAGE WATER TANK PROVIDED BY MY VILLAGE SURPANCH.

## Title of the Project "WATER FACILITIES AND DRINKING WATER AVALABILITY"

1.	What type of Water System do you have:
2.	a) Own Tap with overhead tank b) Underground water well/bore c) Community Tap What type of water do you use for drinking a) Mineral Water b) Tap Water c) Ground
	Water
3.	How do you evaluate the quality of your drinking water
	a) Very Good b) Satisfactory c) Dissatisfied
4.	Do you drink water from Outside : a) At hotels b) Other Places c) No

- 5. What kind of Sewage System do you have
  - a) In house pit
  - b) Drainage System
  - c) Polluted Water is driven into open space i.e; Ground etc
- 6. How do you wash up/take bath
  - a) By running water under tap b) Use bucket and Mug c) Shower/Sauna
- 7. What kind of washroom do you use: a) Flush b) Bucket/Mug W ODF
- 8. How much Water do you use for a day: a) 10lit b) 15lit c)20lit d) More
- 9. Do you experience water shortages
  - a) No b) Rarely c) Almost every year d) It is constant problem
- 10. Do you have water conservation methods: a) Pits b) Community action c) None
- 11. Are you suffering any water borne diseases: a) Malaria b) Cholera c) Scabies d) Typhoid
- 12. Does the water you use is a) Fluoride water b) Hard water c) None
- How often do you clean water storage tanks per year
   a) Once by 2-3 times c) 4 times d) >6 times
- 14. Are you interested to learn Water conservation methods: Yes/No
- 15. How much water is used in your family per a day
  a) 60lit b) 80lit c) 100lit d) More
- 16. How much water is used for drinking (only) in your total family per a day
  a) 30 lit b) 40 lit c) 50 lit d) none
- 17. Is there any RO System (water plant) in your village: yes/no
- 18. How many RO System (water plant) are there in your village: \(\int\)O
  a) 1 b) 2 c) 3 d) None
- 19. What type of Water bodies are there in your village a) Pond b) Lake c) River d) a or b
- 20. Is your village comes under coastal area: yes/no

## DEPARTMENT OF MATHEMATICS

772722

### Title of the Project

## "WATER FACILITIES AND DRINKING WATER AVALABILITY"

1.	What type of Water System do you have:
	a) Own Tap with overhead tank b) Underground water well/bore c) Community Tap
2.	What type of water do you use for drinking a) Mineral Water b) Tap Water c) Ground
	Water
3.	How do you evaluate the quality of your drinking water
	a) Very Good b) Satisfactory c) Dissatisfied
4.	Do you drink water from Outside : a) At hotels b) Other Places c) No
5.	What kind of Sewage System do you have
	a) In house pit
	b) Drainage System
	c) Polluted Water is driven into open space i.e; Ground etc
6.	
	a) By running water under tap b) Use bucket and Mug c) Shower/Sauna
	What kind of washroom do you use: a) Flush b) Bucket/Mug c) ODF
8.	How much Water do you use for a day: a) 10lit b) 15lit c.)20lit d) More
9.	Do you experience water shortages
	a) No b) Rarely c) Almost every year d) It is constant problem
10	). Do you have water conservation methods: a) Pits b) Community action c) None
	Are you suffering any water borne diseases: a) Malaria b) Cholera c) Scabies d) Typhoid
12	2. Does the water you use is a) Fluoride water b) Hard water c) None
13	B. How often do you clean water storage tanks per year
	a) Once b) 2-3 times c) 4 times d) >6 times
1	4. Are you interested to learn Water conservation methods: Yes/No
15	a) 60lit b) 80lit c) 100lit d) More
1.6	. How much water joused for drinking (only) in your total family per a day
	a) 30 lit b) 40 lit c) 50 lit d) none
17	Is there any RO System ( water plant) in your village: yes/no
	How many RO System (water plant) are there in your village: NO a) 1 b) 2 c) 3 d) None
19	What type of Water bodies are there in your village
1000	a) Porid b) Lake c) River d) a or b
20	). Is your village comes under coastal area: yes/no

## Title of the Project

## "WATER FACILITIES AND DRINKING WATER AVALABILITY"

## Questionnaire for the Project

1.	What type of Water System do you have:
	What type of Water System do you have:  a) Own Tap with overhead tank b) Underground water well/bore c) Coramunity Tap  a) Own Tap with overhead tank b) Underground water well/bore c) Ground
-	a) Own Tap with overhead tank b) Underground Water Well, Both Water c) Ground What type of water do you use for drinking a) Mineral Water b) Tap Water c) Ground
2.	
	Water
2	How do your evaluate the quality of your drinking water
	a) Very Good b) Satisfactory c) Dissatisfied
4.	distributes from Outside : a) At hotels b) Other Flaces c) No
e	1 Country System do you have
5.	What kind of Sewage system
	a) In house pit
	b) Drainage System c) Polluted Water is driven into open space i.e; Ground etc
6.	How do you wash up/take bath  a) By running water under tap b) Use bucket and Mug c) Shower/Sauna  3. Show to Pucket/Mug s) ODF
	What kind of washroom do you use: a) Flush b) Bucket/Mug c) ODF
7.	How much Water do you use for a day: a) 10lit b) 15lit c)20lit d) More
8.	How much water do you use for a day. 47 20115
9.	Do you experience water shortages  a) No b) Rarely c) Almost every year d) It is constant problem
	a) No b) Rarely c) Almost every year d) it is community action c) None  0. Do you have water conservation methods: a) Pits b) Community action c) None
1	1. Are you suffering any water borne diseases: a) Malaria b) Cholera c) Scabies d) Typhoid
1	Are you suffering any water borne diseases, by the day     Does the water you use is a) Fluoride water b) Hard water c) None
1	2. Does the water you use is a) Fluoride water by rider water
1	3. How often do you clean water storage tanks per year
	a) Once b) 2-3 times c) 4 times d) >6 times
- 2	14. Are you interested to learn Water conservation methods: Yes/No
1	5. How much water is used in your family per a day
	a) 60lit b) 80lit c) 100lit d) More
3	6. How much water sused for drinking (only) in your total family per a day
	a) 30 lit b) 40 lit c) 50 lit d) none
1	7. Is there any RO System ( water plant) in your village: yes/no
1	8. How many RO System (water plant) are there in your village : NO
	a) 1 4/2 c) 3 d) None
	9. What type of Water bodies are there in your village
	a) Pond b) Lake c) River d) a or b

20. Is your village comes under coastal area: yes/no

#### Title of the Project

## "WATER FACILITIES AND DRINKING WATER AVALABILITY"

1.	What type of Water System do you have:
	a) Own Tap with overhead tank b) Underground water well/bore c) Community Tap
2.	What type of water do you use for drinking a) Mineral Water b) Tap Water c) Ground
	Water .

- 3. How do you evaluate the quality of your drinking water a) Very Good b) Satisfactory c) Dissatisfied
- 4. Do you drink water from Outside : a) At hotels b) Other Places c) No
- 5. What kind of Sewage System do you have
  - a) In house pit
  - b) Drainage System
  - c) Polluted Water is driven into open space i.e; Ground etc
- 6. How do you wash up/take bath
  - a) By running water under tap b) Use bucket and Mug c) Shower/Sauna
- 7. What kind of washroom do you use: a) Flush b) Bucket/Mug c) ODF
- 8. How much Water do you use for a day: a) 10lit b) 15lit c)20lit d) More
- 9. Do you experience water shortages
  - a) No b) Rarely c) Almost every year d) It is constant problem
- 10. Do you have water conservation methods: a) Pits b) Community action c) None
- 11. Are you suffering any water borne diseases: a) Malaria b) Cholera c) Scabies d) Typhoid
- 12. Does the water you use is a) Fluoride water b) Hard water c) None
- 13. How often do you clean water storage tanks per year
  - a) Once 19/2-3 times c) 4 times d) >6 times
- 14. Are you interested to learn Water conservation methods: Yes/No
- 15. How much water is used in your family per a day
  - a) 60lit b) 80lit c) 100lit d) More
- 16. How much water is used for drinking (only) in your total family per a day
  a) 30 lit b) 40 lit c) 50 lit d) none
- 17. Is there any RO System ( water plant) in your village: yes/no
- 18. How many RO System (water plant) are there in your village: NO, a) 1 b) 2 c) 3 d) None
- 19. What type of Water bodies are there in your village Pond b) Lake c) River d) a or b
- 20. Is your village comes under coastal area: yes/no

#### Title of the Project

## "WATER FACILITIES AND DRINKING WATER AVALABILITY" Questionnaire for the Project

1.	What type of Water System do you have:
	a) Own Tap with overhead tank b) Underground water well/bore c) Community Tap
2.	What type of water do you use for drinking a) Mineral Water b) Tap Water c) Ground
	Water
3	How do you evaluate the quality of your drinking water
	a) Very Good b) Satisfactory c) Dissatisfied
4.	Do you drink water from Outside : a) At hotels b) Other Places c) No
5.	What kind of Sewage System do you have
	a) In house pit
	b) Drainage System
	c) Polluted Water is driven into open space i.e; Ground etc
6.	How do you wash up/take bath
	a) By running water under tap b) Use bucket and Mug c) Shower/Sauna
7.	What kind of washroom do you use: a) Flush b) Bucket/Mug c) ODF
8.	How much Water do you use for a day: a) 10lit b) 15lit c)20lit d) More
9.	Do you experience water shortages
	a) No b) Rarely c) Almost every year d) It is constant problem
	Do you have water conservation methods: a) Pits b) Community action c) None
	Are you suffering any water borne diseases: a) Malaria b) Cholera c) Scabies d) Typhoid
	Does the water you use is a) Fluoride water b) Hard water c) None
13.	How often do you tean water storage tanks per year
	a) Once b) 2-3 times c) 4 times d) >6 times
	Are you interested to learn Water conservation methods: Yes/No
15	How much water s used in your family per a day
	a) 60lit b) 80fit c) 100lit d) More
16.	How much water is used for drinking (only) in your total family per a day
	a) 30 lit b) 40 lit c) 50 lit d) none
	is there any RO System ( water plant) in your village: yes/no
18.	How many RO System (water plant) are there in your village : NO
	a) 1 (2) c) 3 d) None
19.	What type of Water bodies are there in your village
	a) Pond b) Lake c) River d) a or b

20. Is your village comes under coastal area: yes/no

# Title of the Project "WATER FACILITIES AND DRINKING WATER AVALABILITY" Questionnaire for the Project

1 What type of Water System do you have: a) Own Tap with overhead tank b) Underground water well/bore c) Community Tap What type of water do you use for drinking a) Mineral Water b) Tap Water c) Ground Water 3. How do you valuate the quality of your drinking water a) Very Good b) Satisfactory c) Dissatisfied 4. Do you drink water from Outside: a) At hotels b) Other Places c) No 5. What kind of Sewage System do you have a) In house pit ^ b) Drainage System c) Polluted Water is driven into open space i.e; Ground etc 6. How do you wash up/take bath a) By running water under tap b) Use bucket and Mug c) Shower/Sauna 7. What kind of washroom do you use: a) Flush b) Bucket/Mug.c/ODF 8. How much Water do you use for a day: a) 10lit b) 15lit c)20lit d) More 9. Do you experience water shortages a) No b) Rarely c) Almost every year d) It is constant problem 10. Do you have water conservation methods: a) Pits b) Community action c) None 11. Are you suffering any water borne diseases: a) Malaria b) Cholera c) Scabies d) Typhoid 12. Does the water you use is a) Fluoride water b) Hard water c) None 13. How often do you clean water storage tanks per year a) Once b) 2-3 times c) 4 times d) >6 times 14. Are you interested to learn Water conservation methods: Yes/No 15. How much water is used in your family per a day a) 60lit b) 80kt cj.100lit d) More 16. How much water is used for drinking (only) in your total family per a day a) 30 lit b) 40 lit c) 50 lit d) none 17. Is there any RO System ( water plant) in your village: yes/no 18. How many RO System (water plant) are there in your village : NO a) 1 6/2\_c) 3 d) None 19. What type of Water bodies are there in your village a) Pond b) Lake c) River d) a or b 20. is your village comes under coastal area: yes/no

### Title of the Project

## "WATER FACILITIES AND DRINKING WATER AVALABILITY"

1.	What type of Water System do you have:
	a) Own Tan with overhead tank b) Underground water well-bore c) Community Tap
2.	( ) A deinking a) Mineral Water b) Ian Water c) (around
	Water
3.	Control to Conditables united
٥,	a) Very Good b) Satisfactory c) Dissatisfied
200	
4.	Do you drink water from Outside : a) At hotels b) Other Places c) No
5.	What kind of Sewage System do you have
	a) In house pit
	b) Drainage System
	c) Polluted Water is driven into open space i.e; Ground etc
6.	How do you wash up/take bath
	a) By running water under tap b) Use bucket and Mug c) Shower/Sauna
	What kind of washroom do you use: a) Flush b) Bucket/Mug of ODF
3.	How much Water do you use for a day: a) 10lit b) 15lit c)20lit d) More
9.	Do you experience water shortages
	a) No b) Rarely c) Almost every year d) It is constant problem
	Do you have water conservation methods: a) Pits b) Community action c) None
	Are you suffering any water borne diseases: a) Malaria b) Cholera c) Scabies d) Typhoid
	Does the water you use is a) Fluoride water b) Hard water c) None
13.	How often do you clean water storage tanks per year
	a) Once b) 2-3 times c) 4 times d) >6 times
	Are you interested to learn Water conservation methods: Yes/No
15.	How much water is used in your family per a day
102-	a) 60lit b) 80 vt c) 100lit d) More
16.	How much water is used for drinking (only) in your total family per a day
	a) 30 lit b) 46 lit c) 50 lit d) none
	is there any RO System ( water plant) in your village: yes/no
18.	How many RO System (water plant) are there in your village :
10	a) 1 b) 2 c) 3 d) None
19.	What type of Water bodies are there in your village
20	a) Pone b) Lake c) River d) a or b
20.	Is your village comes under coastal area: yes/no

# Title of the Project "IVATER FACILITIES AND DRINKING WATER AVALABILITY" Questionnaire for the Project

	and the state of t
1	What type of Water System do you have:
200	a) Own Tap with overhead tank b) Underground water well/bore_c) Community Tap
2.	c lili Mineral Water hyTan Water c) Ground
	Water
3.	
56.5	a) Very Good b) Satisfactory c) Dissatisfied
4.	Control of the Place of No.
7	bo you drink water nome addice reprise to a
5.	What kind of Sewage System do you have
	a) In house pit
	b) Drainage System
	c) Polluted Water is driven into open space i.e; Ground etc
6.	How do you wash up/take bath
	a) By running water under tap b) Use bucket and Mug c) Shower/Sauna
	What kind of washroom do you use: a) Flush b) Bucket/Mug () ODF
8.	How much Water do you use for a day: a) 10lit b) 15lit c/20lit d) More
9.	Do you experience water shortages
	a) No b) Rarely c) Almost every year d) It is constant problem
	Do you have water conservation methods: a) Pits (b) Community action c) None
	Are you suffering any water borne diseases; a) Malaria b) Cholera c) Scabies d) Typhoid
	Does the water you use is a) Fluoride water b) Hard water c) None
13.	How often do you dean water storage tanks per year
	a) Once b) 2-3 times c) 4 times d) >6 times
	Are you interested to learn Water conservation methods: Yes/No
15.	How much water is used in your family per a day
	a) 60lit b) 80lit c) 100lit d) More
16.	How much water is used for drinking (only) in your total family per a day
	a) 30 lit b) 40 lit c) 50 lit d) none
	is there any RO System ( water plant) in your village: yes/no
18.	How many RO System (water plant) are there in your village : 10
	a) 1 b) 2 c) 3 d) None
19.	What type of Water bodies are there in your village
20	a) Rorid b) Lake c) River d) a or b
20.	is your village comes under coastal area: yes/no

### Title of the Project

## "WATER FACILITIES AND DRINKING WATER AVALABILITY"

What type of Water System do you have: a) Own Tap with overhead tank b) Underground water well/bore c) Community Tag What type of water do you use for drinking a) Mineral Water b) Tap Water c) Groun Water  3. How do you evaluate the quality of your drinking water a) Very Good b) Satisfactory c) Dissatisfied  4. Do you drink water from Outside: a) At hotels b) Other Places c) No  5. What kind of Sewage System do you have a) In house pit b) Drainage System c) Polluted Water is driven into open space i.e; Ground etc  6. How do you wash up/take bath a) By running water under tap b) Use bucket and Mug c) Shower/Sauna  7. What kind of washroom do you use: a) Flush b) Bucket/Mug c) ODF  8. How much Water do you use for a day: a) 10lit b) 15lit c) 20lit d) More  9. Do you experience water shortages a) No b) Rarely c) Almost every year d) It is constant problem  10. Do you have water conservation methods: a) Pits b) Community action c) None  11. Are you suffering any water borne diseases: a) Malaria b) Cholera c) Scabies d) Typhoid 12. Does the water you use is a) Fluoride water b) Hard water c) None  13. How often do you chain water storage tanks per year a) Once b) 2-3 times c) 4 times d) >6 times  14. Are you interested to learn Water conservation methods: Yes/No  15. How much water is used for drinking (only) in your total family per a day a) 60lit b) 80lit c) 100lit d) More  16. How much water is used for drinking (only) in your total family per a day a) 30 lit b) 40 lit c) 50 lit d) none  17. Is there any RO System (water plant) are there in your village: yes/no  18. How many RO System (water plant) are there in your village: yes/no  19. What type of Water bodies are there in your village a) Pond b) Lake c) River d) a or b  20. 15 your village comes under coastal area: yes/no	
a) Own Tap with overhead tank b) Underground water well/bore c) Community Tag Water Water  Mow do you evaluate the quality of your drinking water a) Very Good b) Satisfactory c) Dissatisfied Do you drink water from Outside: a) At hotels b) Other Places c) No  Mat kind of Sewage System do you have a) In house pit b) Drainage System c) Polluted Water is driven into open space i.e; Ground etc How do you wash up/take bath a) By running water under tap b) Use bucket and Mug c) Shower/Sauna What kind of washroom do you use: a) Flush b) Bucket/Mug c) ODF How much Water do you use for a day: a) 10lit b) 15lit c) 20lit d) More Do you experience water shortages a) No b) Rarely c) Almost every year d) It is constant problem Do you have water conservation methods: a) Pits b) Community action c) None How often do you clean water borne diseases: a) Malaria b) Cholera c) Scabies d) Typhoid Does the water you use is a) Fluoride water b) Hard water c) None How much water is used in your family per a day a) Once b) 2-3 times c) 4 times d) >6 times Are you interested to learn Water conservation methods: Yes/No How much water is used for drinking (only) in your total family per a day a) 30 lit b) 40 lit c) 50 lit d) More How much water is used for drinking (only) in your total family per a day a) 30 lit b) 40 lit c) 50 lit d) none Is there any RO System (water plant) in your village: yes/no How many RO System (water plant) in your village: yes/no What type of Water bodies are there in your village a) Pond b) Lake c) River d) a or b	
Water  3. How do you evaluate the quality of your drinking water a) Very Good b) Satisfactory c) Dissatisfied 4. Do you drink water from Outside: a) At hotels b) Other Places c) No  5. What kind of Sewage System do you have a) In house pit b) Drainage System c) Polluted Water is driven into open space i.e; Ground etc 6. How do you wash up/take bath a) By running water under tap b) Use bucket and Mug c) Shower/Sauna 7. What kind of washroom do you use: a) Flush b) Bucket/Mug c) OOF 8. How much Water do you use for a day: a) 10lit b) 15lit c)20lit d) More 9. Do you experience water shortages a) No b) Rarely c) Almost every year d) It is constant problem 10. Do you have water conservation methods: a) Pits b) Community action c) None 11. Are you suffering any water borne diseases: a) Malaria b) Cholera c) Scabies d) Typhoid 12. Does the water you use is a) Fluoride water b) Hard water c) None 13. How often do you clean water storage tanks per year a) Once b) 2-3 times c) 4 times d) >6 times 14. Are you interested to learn Water conservation methods: Yes/No 15. How much water is used for drinking (only) in your total family per a day a) 60lit b) 80lit c) 190lit d) More 16. How much water is used for drinking (only) in your total family per a day a) 30 lit b) 40 lit c) 50 lit d) none 17. Is there any RO System (water plant) are there in your village: yes/no 18. How many RO System (water plant) are there in your village: a) Pond b) Lake c) River d) a or b	What type of Water System do you have:
Water  3. How do you evaluate the quality of your drinking water  a) Very Good b) Satisfactory c) Dissatisfied  4. Do you drink water from Outside: a) At hotels b) Other Places c) No  5. What kind of Sewage System do you have  a) In house pit  b) Drainage System  c) Polluted Water is driven into open space i.e; Ground etc  6. How do you wash up/take bath  a) By running water under tap b) Use bucket and Mug c) Shower/Sauna  7. What kind of washroom do you use: a) Flush b) Bucket/Mug c) ODF  8. How much Water do you use for a day: a) 10lit b) 15lit c) 20lit d) More  9. Do you experience water shortages  a) No b) Rarely c) Almost every year d) It is constant problem  10. Do you have water conservation methods: a) Pits b) Community action c) None  11. Are you suffering any water borne diseases: a) Malaria b) Cholera c) Scabies d) Typhoid  12. Does the water you use is a) Fluoride water b) Hard water c) None  13. How often do you clean water storage tanks per year  a) Once b) 2-3 times c) 4 times d) >6 times  14. Are you interested to learn Water conservation methods: Yes/No  15. How much water is used for drinking (only) in your total family per a day a) 60lit b) 80lit c) 190lit d) More  16. How much water is used for drinking (only) in your total family per a day a) 30 lit b) 40 lit c) 50 lit d) none  17. Is there any RO System (water plant) in your village: yes/no  18. How many RO System (water plant) are there in your village: a) Pond b) Lake c) River d) a or b	a) Own Tap with overhead tank b) Underground water well, bote c) Community Ta
Allow do you evaluate the quality of your drinking water  a) Very Good b) Satisfactory c) Dissatisfied  Do you drink water from Outside: a) At hotels b) Other Places c) No  Mat kind of Sewage System do you have  a) In house pit  b) Drainage System c) Polluted Water is driven into open space i.e; Ground etc  How do you wash up/take bath a) By running water under tap b) Use bucket and Mug c) Shower/Sauna  What kind of washroom do you use: a) Flush b) Bucket/Mug c) ODF  How much Water do you use for a day: a) 10lit b) 15lit c)20lit d) More  Do you experience water shortages a) No b) Rarely c) Almost every year d) It is constant problem  Do you have water conservation methods: a) Pits b) Community action c) None  Are you suffering any water borne diseases: a) Malaria b) Cholera c) Scabies d) Typhoid  Does the water you use is a) Fluoride water b) Hard water c) None  How often do you clean water storage tanks per year a) Once b) 2-3 times c) 4 times d) 56 times  Are you interested to learn Water conservation methods: Yes/No  How much water is used for drinking (only) in your total family per a day a) 60lit b) 80lit c) 100lit d) More  How much water is used for drinking (only) in your total family per a day a) 30 lit b) 40 lit c) 50 lit d) none  Is there any RO System (water plant) in your village: yes/no  How many RO System (water plant) in your village: yes/no  How many RO System (water plant) are there in your village: a) Pond b) Lake c) River d) a or b	2. What type of water do you use for drinking a) Mineral water b) rap water c) Groun
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#### Title of the Project

#### "WATER FACILITIES AND DRINKING WATER AVALABILITY"

#### **Questionnaire for the Project**

- What type of Water System do you have:
  - a) Own Tap with overhead tank b) Underground water well/bore c) Community Tap
- 2. What type of water do you use for drinking a) Mineral Water b) Tap Water c) Ground Water
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- 4. Do you drink water from Outside : a) At hotels b) Other Places c) No
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- 6. How do you wash up/take bath
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- 9. Do you experience water shortages
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## "WATER FACILITIES AND DRINKING WATER AVALABILITY"

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# "WATER FACILITIES AND DRINKING WATER AVALABILITY"

## Questionnaire for the Project

a) Own Tap with overhead tank b) Underground water well/bore c) Community Tap What type of Water System do you have: What type of water do you use for drinking a) Mineral Water b) Tap Water c) Ground How do you evaluate the quality of your drinking water a) Very Good b) Satisfactory c) Dissatisfied 4. Do you drink water from Outside : a) At hotels b) Other Places c) No What kind of Sewage System do you have a) In house pit b) Drainage System c) Polluted Water is driven into open space i.e; Ground etc 6. How do you wash up/take bath a) By running water under tap b) Use bucket and Mug c) Shower/Sauna 7. What kind of washroom do you use: a) Flush b) Bucket/Mug S ODF 8. How much Water do you use for a day: a) 10lit b) 15lit c)20lit d) More 9. Do you experience water shortages a) No b) Rarely c) Almost every year d) It is constant problem 16. Do you have water conservation methods; a) Pits b) Community action c) None 11. Are you suffering any water borne diseages: a) Malaria b) Cholera c) Scabies d) Typhoid 12. Does the water you use is a) Fluoride water b) Hard water c) None 13. How often do you clean water storage tanks per year a) Once b) 2-3 times c) 4 times d) >6 times 14. Are you interested to learn Water conservation methods: Yes/No 15. How much water is used in your family per a day a) 60lit b) 80lit c) 100lit d) More 16. How much water is used for drinking (only) in your total family per a day a) 30 lit b) 40 lit c) 50 lit d) none 17. Is there any RO System ( water plant) in your village: yes/no 18. How many RO System (water plant) are there in your village : NO a) 1 b) 2 c) 3 d) None 19. What type of Water bodies are there in your village a) Pond b) Lake c) River d) a or b

20. Is your village comes under coastal area: yes/no

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## 6 Processing of the information

The initial stage of the survey information processing coincides with the fieldwork and is carried out in parallel with the duration of the data collection.

The main purpose is to establish appropriate quality levels that make it possible to significantly simplify the subsequent processing of the information. The recording of questionnaires is carried out in batches, establishing the control measures required to guarantee an adequate level of quality throughout the whole process.

Once information is available in magnetic form, the coverage of the information is analysed in order to guarantee the totality of the data recorded, detect possible duplicated data or coverage errors and also to be able to perform an initial assessment of the quality of the variables obtained from the questionnaires. This stage is performed for each batch of questionnaires recorded, and its implementation is previous to the creation of the survey file and thus, to the processing of all the information as a whole.

Once the survey file is created, inconsistencies and errors are detected and corrected for every identification variable. Subsequently, several stages of filtering and imputation of content errors are carried out. Similarly, the systematic errors detected in the analysis and study carried out previously on the recorded data are corrected. When all filtering stages are completed, analysis tables are obtained in order to detect and eliminate errors or inconsistencies and to compare the results obtained with other sources of information.

## 7 Sample data expansion stage

For physical data of the water collection and supply, as well as for economic data of invoiced water, no expansion factor is applied to the units definitely included in the sample dealing with municipalities with more than 15.000 inhabitants. Taking units dealing exclusively with municipalities or water supply and sanitation unit with population les than the 15.000 inhabitants,, the item of sample data is corrected with a ratio estimator, using the population resident in the municipalities excluded from the effective exhaustive sample in the Autonomous Community as an auxiliary variable.

Adjustments to expansion factors of the variables referring to sections relating to wastewater treatment have been made using auxiliary variables whose totals are known from administrative sources external to this survey, such as the estimate of the equivalent population in urban agglomerations with an equivalent population of more than 2.000 inhabitants. In turn, this variable is estimated on a microdata level taking the information regarding quantity and quality shown in the questionnaire.

Equivalent population is regarded as that established by directive 91/271/CEE defining the concept of equivalent inhabitant as: the biodegradable organic load with a biochemical oxygen demand of 5 days (BOD₅) of 60 grams of oxygen per day.

## 8 Main results

The aim of the results tables is to offer basic, and relevant, information on the main results of the survey, to satisfy the demand for information of users.

The results are presented for the national total and by Autonomous Community. It is being considered to carry out a pilot study on the breakdown by river basin district.

The results these are broken down into the following tables: freshwater abstraction carried out by the actual company, total availability of non-drinking water, total availability of drinking water, distribution of drinking water by type of user, volumes of treated wastewater, their destination and use of the re-used treated water.

### CONCLUSION

## 9 Environmental indicators

Indicators are estimates that provide synthetic information and/or trends regarding environmental conditions and phenomena relating to water.

Its significance is greater than the results of the actual statistics, giving information that makes it possible to measure the pressure exerted on the environment by human activities or of the effectiveness of environmental policies.

Special attention merits the inclusion of two indicators:

- **Unit cost of water:** this is an indicator is calculated by means of the quotient between income for the service rendered in the reference year of the survey and the total volume of water registered and distributed to all users. A distinction is made between the unit costof water supply and of public sewerage (sewerage system and filtering). The denominator of this indicator includes both the invoiced and received amount (excluiding VAT) for water consumption corresponding to the economic sectors (industry, services, livestock) and municipal consumption. The unit in which this indicator is expressed is *euros/*  $m^3$ 

Therefore, this indicator can be assimilated to an average unit cost of payments made by users of services related to the integral water cycle, but in no case is it aprice or rate applicable to such services.

- Average water consumption: it is an indicator that is calculated by means of the quotient between the total volume of water registered and distributed to the users and the population of right of the Municipal Register of Inhabitants on January 1 of the reference year of the survey. The unit in which this indicator is expressed is liters / inhabitant / day.

The figures of the resident population as of July 1 of each year have been used as the denominator of this and the other indicators to.

Two indicators are calculated according to whether the registered water is distributed to households (people residing in main or secondary family dwellings) or is destined for other uses (economic sectors and municipal consumption).

#### REPORT:

I Bora Hari krishna Studying in GOVERNMENT DEGREE COLLEGE,NARASANNAPETA, SRIKAKULAM DISTRICT.I Participated to COMMUNITY SERVICE PROJECT on 01-06-2022 to 10-06-2022 in Jogipeta street in Narasannapeta village . My project name is "WATER FACILITIES AND DRINKING WATER AVAILABILITY" .In this survey first I have collected to socio economic survey for nearly twenty houses . After that I recognize the water problems in the surrounding area.

### **PROBLEMS**

- 1. In that area particularly in Summer season they have drinking water problem .
- 2. In rainy season drinking water is polluted(colour changed).

## **SOLUTIONS**

- Representation given to our panchayati secretary to sanitize our Street weekly twice.
- Also awared the people in the street to take care at the time of rainy season take hot water for drinking.

