

WATER MANAGEMENT REPORT

Water resources:

The college has two bore wells which fulfill the water needs and three overhead tanks to preserve water.

Water Distribution system:

Water from overhead tanks is supplied to washrooms and hand wash areas through separate pipelines. Separate pipe lines are set for watering the college gardens.

Rain Water & Waste water Management:

The college also has a separately dug pit for rain water harvesting as well as for waste water management. Rain water from terrace and water from toilets is sent to the surrounding fruit yielding plants. The college is providing safe drinking water to all the students and staff with the help of two R.O. plants.

Waste water recycling system:

Waste water is redirected to the medicinal plants in the vicinity of hand wash water taps.

Water quality testing is important because it is useful in testing the level of contamination of drinking water and the presence of pathogens of waterborne diseases. Drinking or using contaminated water can result in severe illness which may sometimes result in death. So it is essential to ensure that the drinking water is safe, clean and free from disease causing pathogens.

Drinking water indicators:

- Alkalinity
- Color of water
- pH value
- Taste and odor
- Dissolved metals and salts
- Micro organism such as fecal coliform bacteria (Entamoeba histolytica, Giardia lamblia etc.)
- Dissolved solids
- Chlorides
- Zoo plankton
- Phytoplankton


PRINCIPAL
Govt. Degree College
Bellampally, Dist. Mancherial

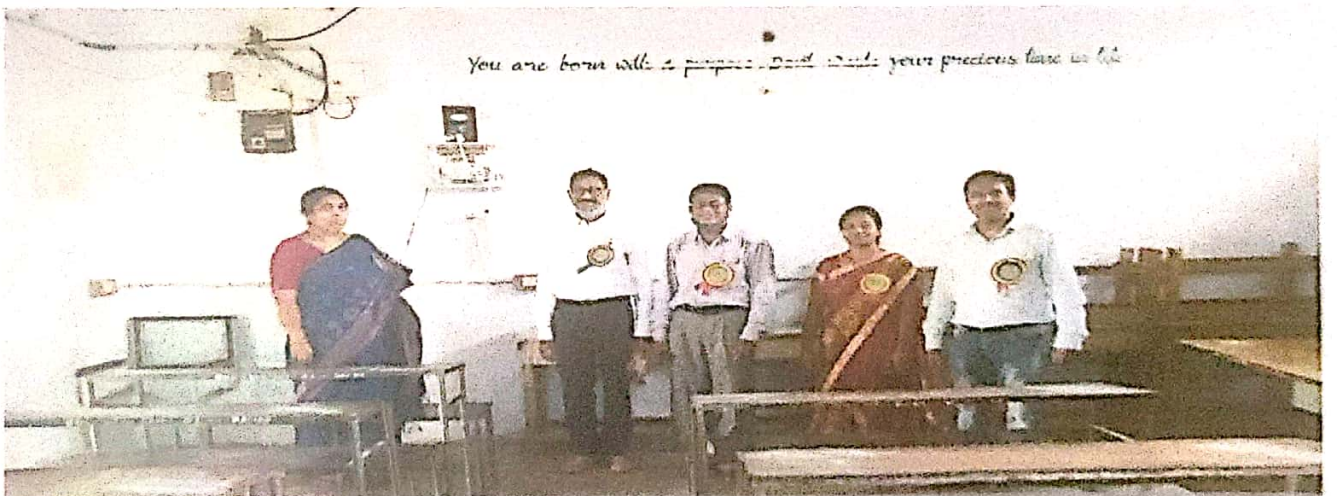


3GG5+4G3, Budha Khurd (R), Telangana 504251, India

Latitude 19.075630° Longitude 79.509136°

LOCAL 11:40:25 GMT 06:10:25 FRIDAY 10/08/2021 ALTITUDE 164 METER

Rain water harvesting pit



3GG5+4G3, Budha Khurd (R), Telangana 504251, India

Budha Khurd (R)

Telangana

India

2021-10-08(Fri) 11:49(AM)

31°C

88°F

R.O. Plant

Water Analysis Report



GOVERNMENT OF TELANGANA
REGIONAL PUBLIC HEALTH LABORATORY WARANGAL,
HANAMKONDA, KINDA Postcode: 506 001
Report Of Physical, Chemical Analysis Of Water &
Chemical Analysis of Water for Constructive Purpose

Sample No.	78122, Green Label				
Collected by	Sri. V. Srinivas Reddy, B.E. (H.O.)		Date	04/10/2012	
Collected at	Sri. Srinivas Reddy		Analyst	Sri. Srinivas Reddy	
Lab. No. / Address of Source	216 Green Label Srinivas Reddy College				
Appearance or Characteristic					
Colour	Yellow		Acceptable Limit	15	Permissible Limit in the absence of alternate source
Turbidity NTU	1.5		Acceptable Limit	5	Permissible Limit
pH at 20°C	7.2		Acceptable Limit	6.5-8.5	Permissible Limit
Electrical Conductivity at 25°C, Micro Mhos/cm	460		Acceptable Limit	500	2500
Total Dissolved Solids (mg/l)	429				
Total Solids (mg/l)	429				
Total Hardness (mg/l)	304		Acceptable Limit	200	500
Calcium Hardness (as CaCO ₃)	288		Acceptable Limit	150	500
Magnesium Hardness (as CaCO ₃)	16				
Chloride (mg/l)	111		Acceptable Limit	250	1000
Sulfate (mg/l)	111		Acceptable Limit	10	15
Fluoride (mg/l)	0.5		Acceptable Limit	0.5	1.5
Iron (ppm)	-		Acceptable Limit	0.3	1.0

The above water sample is chemically **SATISFACTORY** for drinking purpose as all the analyzed parameters are within the permissible limits.

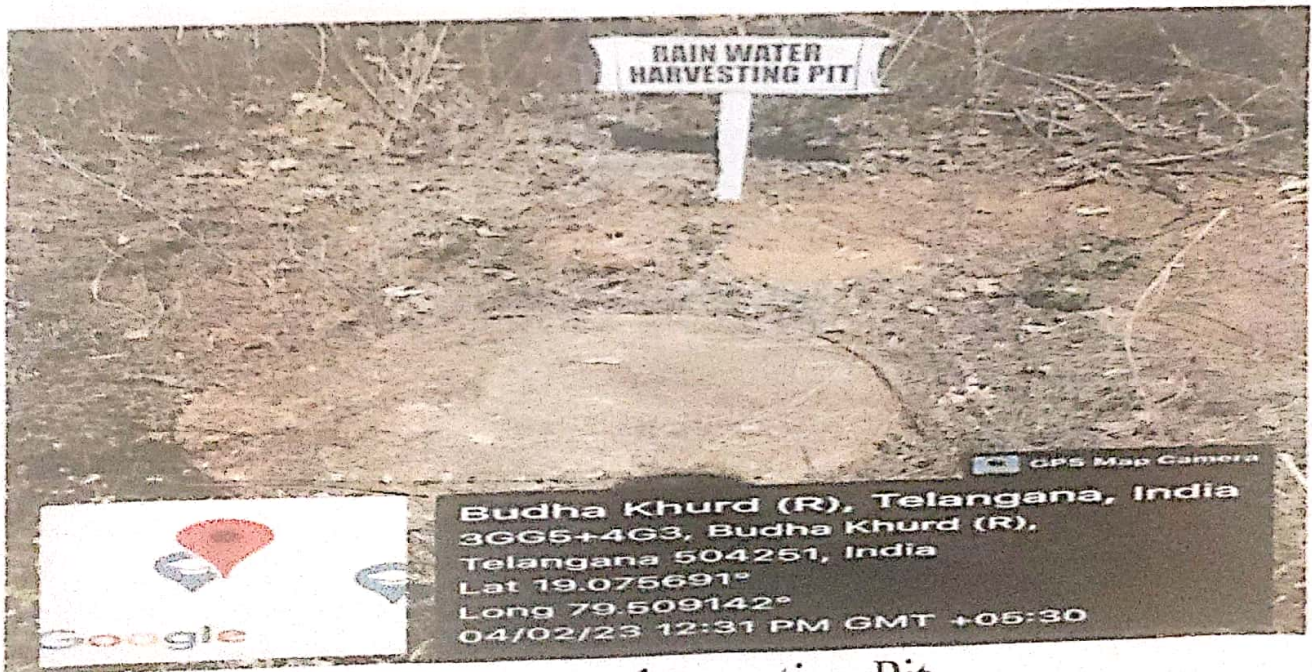
Signature of Analyst
 Sri. Srinivas Reddy

Signature of Authority
 Sri. Srinivas Reddy

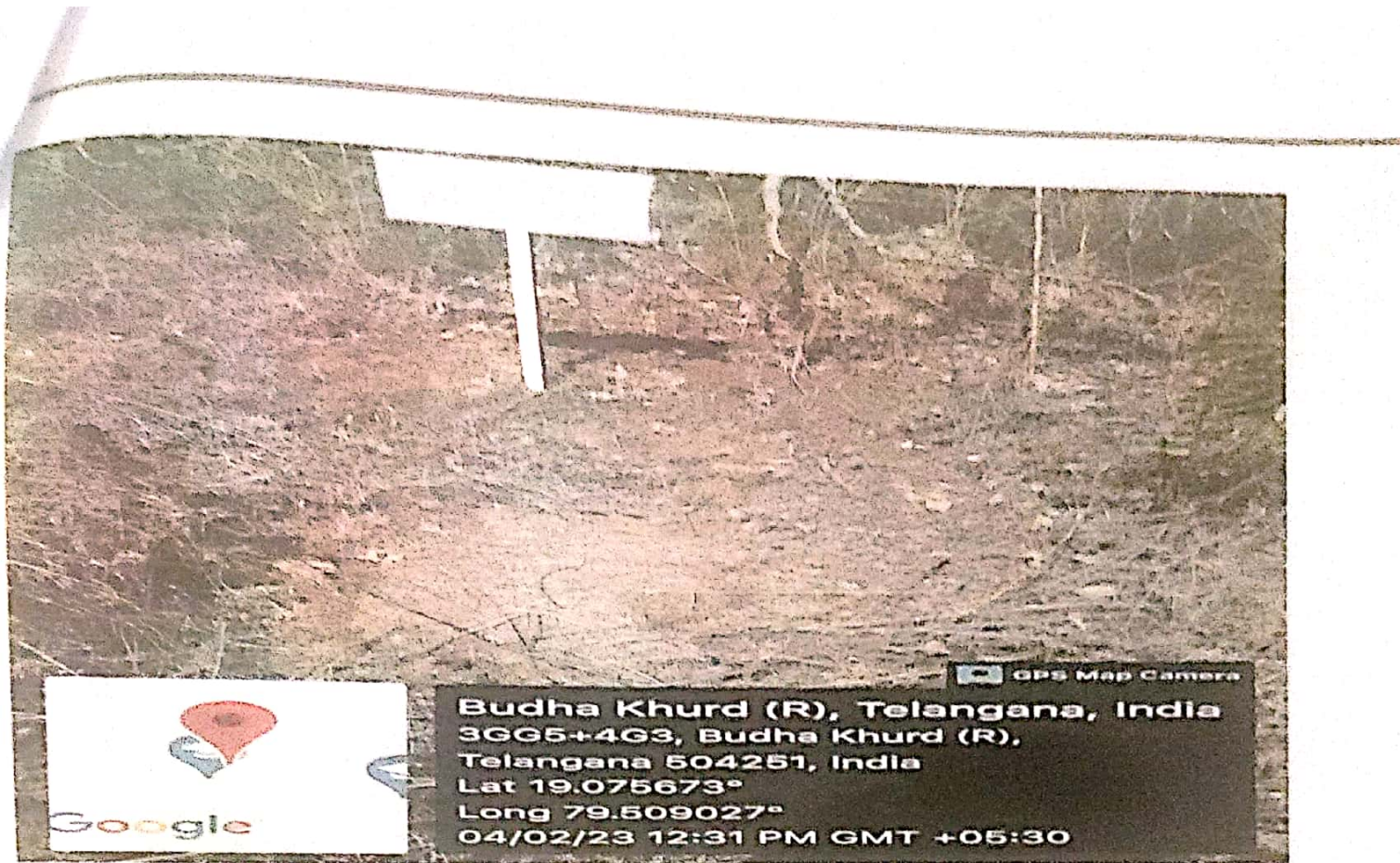


Budha Khurd (R), Telangana, India
3GG5+4G3, Budha Khurd (R), Telangana 504251, India
Lat 19.075451°
Long 79.50897°
04/02/23 11:03 AM GMT +05:30

Bore well



Rain water harvesting Pit



Waste water harvesting pit



Waste water management